

TACKLING
ENVIRONMENTAL
SPILLOVERS

GLOBAL COMMONS

STEWARDSHIP INDEX

2022



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Acronyms and Abbreviations

ASEAN	Association of Southeast Asian Nations
CBA	Consumption-Based Accounting
CITES	Convention on International Trade in Endangered Species of Wild Fauna and Flora
FAO	Food and Agriculture Organization of the United Nations
GCS	Global Commons Stewardship
GHG	Greenhouse gas
GLORIA	Global Resource Input-Output Assessment
HDI	Human Development Index
HIC	High Income Country
IPCC	Intergovernmental Panel on Climate Change
LAC	Latin America & the Caribbean
LIC	Low Income Country
LMIC	Lower Middle Income Country
MENA	Middle East & North Africa
MRIO	Multi-Regional Input-Output
N₂O	Nitrous oxide
NO_x	Nitrogen oxides
ODS	Ozone Depleting Substances
PBA	Production-Based Accounting
SDG	Sustainable Development Goals
SDSN	Sustainable Development Solutions Network
SO₂	Sulfur dioxide
UMIC	Upper Middle Income Country
UNDP	United Nations Development Programme

Executive summary

The Global Commons are increasingly at risk, and actions are needed now. This year's 2022 Global Commons Stewardship (GCS) Index (3rd edition) provides the latest information on countries' domestic and spillover impacts on the Global Commons. The GCS Index is part of a larger suite of instruments and reports prepared under the leadership of the Center for Global Commons at the University of Tokyo, in cooperation with SDSN, SYSTEMIQ, Potsdam Institute for Climate Impact Research, World Resources Institute, and the Yale Center for Environmental Law & Policy, to inform data and policy priorities to safeguard the Global Commons. The GCS Index report is conceived as the main statistical backbone of this work, which builds on and supports other conceptual and policy work in the consortium. This year's edition generates three major findings.

Rich countries bear major responsibilities for domestic and international spillover impacts on the Global Commons.

The 2022 GCS Index emphasizes how unsustainable production systems – but also unsustainable consumption in high-income countries – drive negative impacts on the Global Commons. Rich countries obtain the poorest results in this year's Index. Overall, no country has successfully managed to achieve high levels of human development (measured, for instance, by GDP per capita or the Human Development Index) while fully mitigating their negative impacts on the environment. The G20 presidencies of India (2023), Brazil (2024), and South Africa (2025) can provide momentum for concerted global actions and further efforts to reduce negative impacts on the Global Commons in producing and consuming countries.

Spillover impacts on climate, the land biosphere, or the water cycle are driven by different economic sectors and commodities. Taking advantage of the latest advances in trade data, environmental research, and industrial ecology, the 2022 GCS Index provides detailed analyses of impacts embodied in international trade flows. Demand for clothes & textiles and construction materials drive most greenhouse gas (GHG) emissions spillovers. Deforestation spillovers are driven by demand for forestry & logging and cattle, and water stress spillovers are driven by demand for rice and cereals. The flows of environmental impacts embodied in trade vary across countries and regions, and this report provides additional features for 10 countries and entities, including major G20 economies. A more granular understanding of negative spillovers, as presented in this report, can support stronger multilateral, national, industrial, and corporate actions to safeguard the Global Commons.

Strong data systems at various levels – international, national, industrial, and corporate – are needed to monitor and curb negative impacts on the Global Commons. The adoption of comprehensive and ambitious policies to curb international spillovers requires strong data and information systems for effective implementation. The 2022 GCS Index relies on the latest advances in both scientific research and global analyses of international trade. Yet further work is needed to make the underlying data timelier, more comprehensive, and more granular – and to integrate these data systems into official national reporting and policies. The GCS Index identifies persisting data gaps and limitations to track negative international spillovers.

These results suggest that economic systems and national policy frameworks need to better incorporate the value of natural capital – and the costs of failing to protect it – and to address international spillovers. A companion report, “Tackling international spillovers – An overview of policy options,” also prepared under the leadership of the Center for Global Commons at the University of Tokyo, provides a deep exploration of major priorities and policy options to curb negative spillovers.

Part 1.

THE 2022 GCS INDEX RESULTS



Part 1.

The 2022 GCS Index Results

The scientific evidence clearly warns us that the stability and resilience of the Earth systems on which human well-being, prosperity, and safety depend – our Global Commons – are in peril. The Global Commons include the climate system, ice sheets & glaciers, land biosphere, oceans, and the ozone layer. We need to transform our economic and social systems to safeguard these Global Commons domains, or we risk exceeding dangerous tipping points beyond which ecological damage may become self-reinforcing and irreversible (Ishii et al., 2022). To avoid breaching these boundaries, decisionmakers need to take concerted action to drastically accelerate the progress made in some sectors and unlock positive feedback loops for transformation. The Center for Global Commons, together with the Potsdam Institute for Climate Impact Research, the SDSN, the Yale Center for Environmental Law & Policy, and SYSTEMIQ have joined forces since 2020 to set out an actionable, science-based framework and indicator set for stewardship of the Global Commons.

The Global Commons Stewardship (GCS) Index is one component of this Global Commons Stewardship Initiative. The GCS Index, published annually, is a composite of the latest breakthroughs in sustainability indicators and industrial ecology, focusing attention on how countries are affecting the Global Commons both within their borders and through transnational spillovers. Now in its 3rd edition, the GCS Index, along with its conceptual motivation and a detailed methodology, was first published by the OECD and the European Commission in an edited volume on understanding the public policy implications of spillover impacts (Lafortune et al., 2021). The metrics presented here are expected to empower policymakers and other stakeholders to prioritize environmental agendas, seek out innovative strategies for addressing threats, and track progress toward sustainability goals. Compared

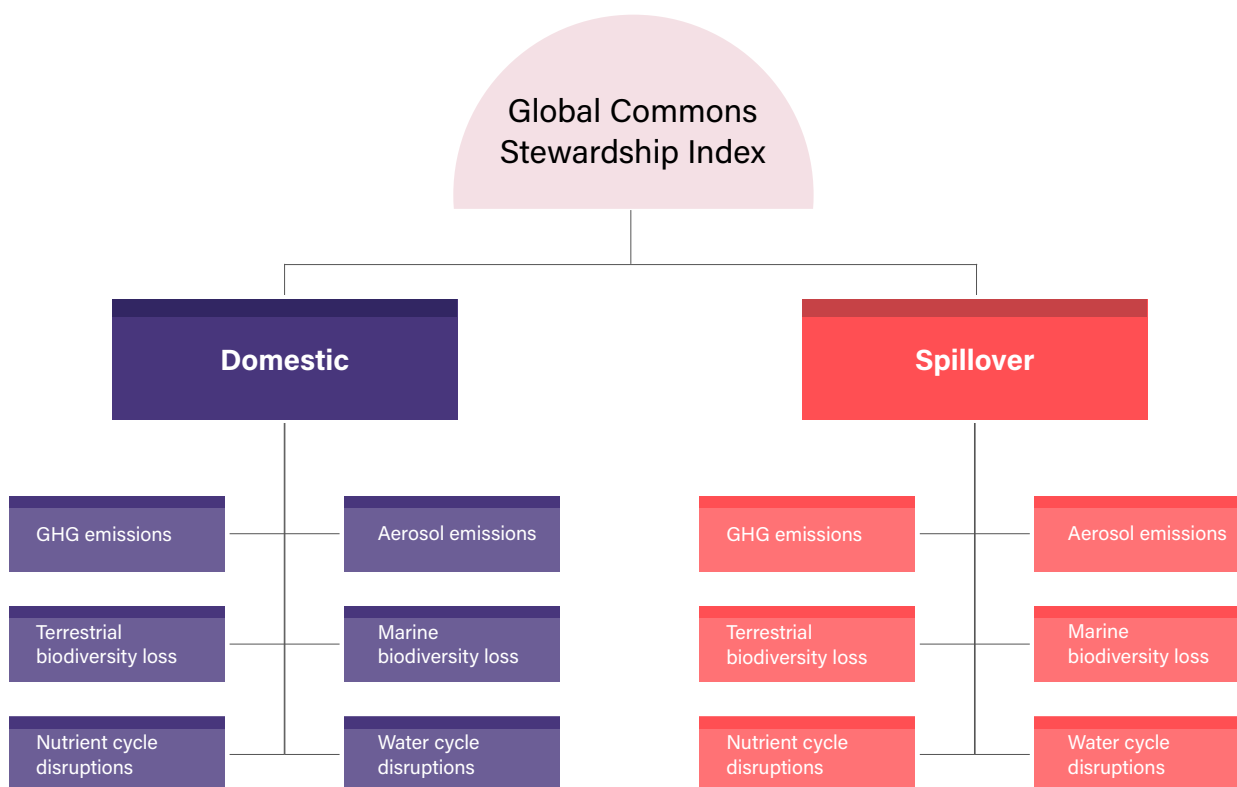
with other existing initiatives, we highlight countries' impacts on the Global Commons not only domestically but also internationally through consumption and trade, i.e., "spillover effects." The Index aims to inform actions to achieve major international agreements, including the Sustainable Development Goals (SDGs), the Paris Climate Change Agreement, and the Convention on Biological Diversity.

Focusing on the policy-relevant levers of change, the GCS Index tracks the *impacts* of countries on the Global Commons. It does not track the state of the Global Commons or the vulnerability of countries to threats like climate change. We categorize these impacts into six sub-pillars: Aerosol emissions, GHG emissions, biodiversity loss in Terrestrial and Marine biomes, and disruptions to the Water and Nutrient cycles. Two pillars further divide the indicators between those that measure impacts that occur entirely within territorial borders (Domestic) and those that measure impacts that cross boundaries (Spillover), as shown in Figure 1.

This section summarizes the results of the 2022 GCS Index. Results are presented in proportional terms (e.g., tonnes of CO₂ emissions per capita) and in absolute terms (e.g., tonnes of CO₂ emissions). These results emphasize the need for actions in all countries (including in smaller countries) but also the special responsibility of large economies, including China, the European Union, India, the United States, and other G20 countries, to lead these transformations, especially considering their large absolute impacts on the Global Commons. For the first time, the 2022 GCS Index provides overall scores aggregating the domestic and spillover scores into one single GCS Index score. Finally, we discuss the relationship between the 2022 GCS Index and other socio-economic measures and across regions.

Figure 1.

Conceptual framework of pillars and sub-pillars within the 2022 Global Commons Stewardship Index



1.1. Understanding spillover effects in global supply chains

Environmental impacts associated with production and consumption patterns within a country can be measured with two major accounting methods (Peters & Hertwich, 2008): production-based accounting (PBA) or consumption-based accounting (CBA). PBA captures impacts that occur within a country’s boundaries, whether due to the production or use of products. CBA provides an alternative framework, going beyond domestic use to also capture impacts all along the supply chains of goods and services imported for final demand. The first panel of Figure 2 depicts these accounting frameworks.

In Figure 2a, the circle on the left includes all negative impacts attributable to domestic production, with the blue portion representing spillover impacts embodied in exports. The circle on the right includes all negative impacts embodied in domestic final demand, with the red portion representing spillover impacts embodied in imports. Both methods include use-phase emissions associated with households and government consumption, e.g., tailpipe emissions from driving personal vehicles or combustion emissions from home heating and cooking, as well as investment in fixed capital assets.

Figure 2b illustrates that all country metrics included in the Domestic pillar of the GCS Index are based on PBA, whereas the Spillover pillar augments these metrics with additional data on negative impacts embodied in imported goods and services to each country, derived from CBA calculations.

Figure 2.

Incorporation of accounting frameworks into the GCS Index pillars

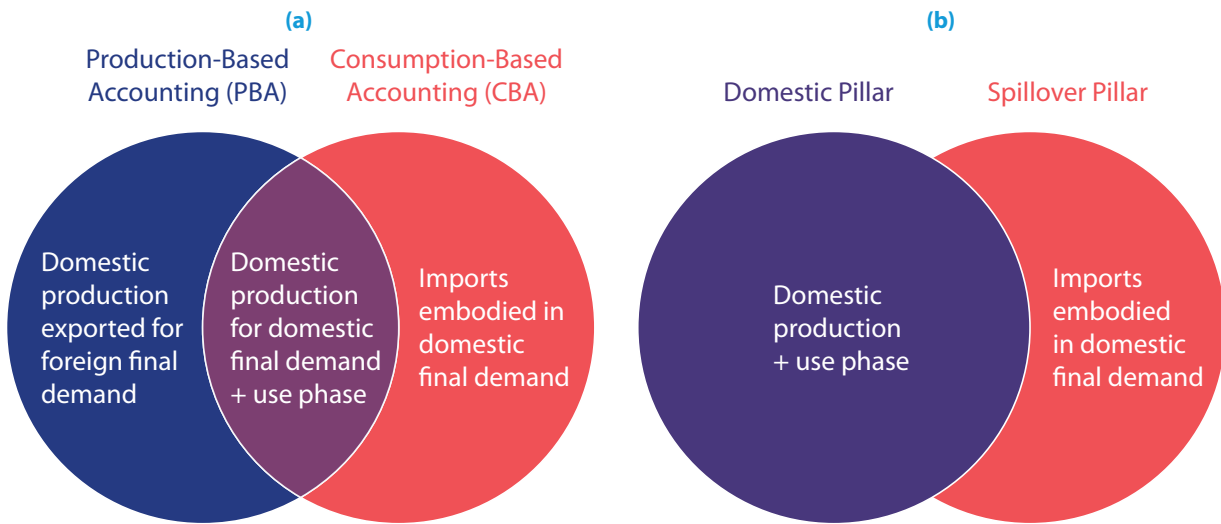
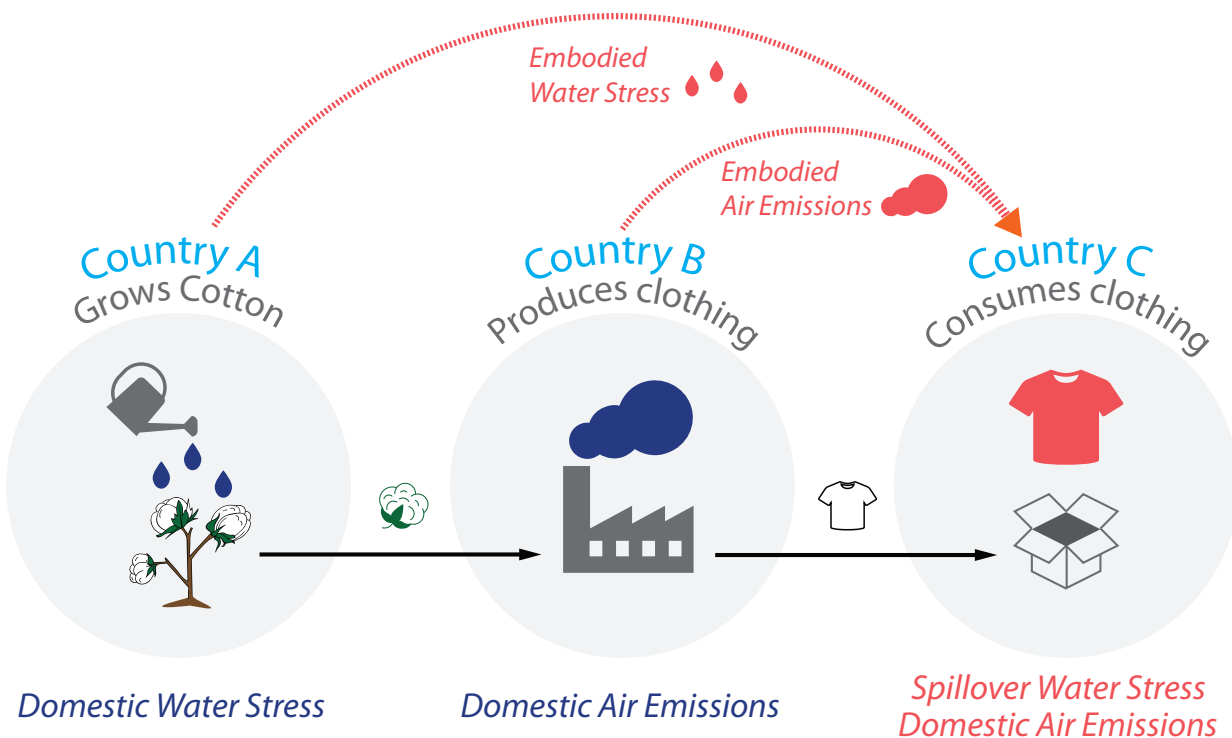


Figure 3.

Illustration of environmental impacts embodied in international trade














Part 1. The 2022 GCS Index Results

Supply chains can stretch through multiple countries, and spillover impacts accumulate as they become embodied at multiple steps of the journey to the country of final destination. Figure 3 illustrates a simplified example with three countries. The water stress in Country A and the air emissions in Country B count as *domestic* impacts within those countries. Because Country C is where final demand occurs, these impacts both count as *spillovers* in Country C. Spillovers thus include more impacts than those only embodied in the last leg of the supply chain. In this report, transport is treated as a stand-alone service. Incorporating impacts from transportation in importing countries (Country C) requires additional layers of modeling, which make such estimates less certain. In coming years, the authors will continue to strengthen these estimates, building on future advances in Multi-Regional Input-Output (MRIO) modeling.





1.2. Proportional results

To fairly compare countries with different sizes, we present the results for the GCS Index using proportional versions of our indicators, usually denominated by population. Table 1 presents proportional scores on the 2022 GCS Index, overall and within the Domestic and Spillover pillars. In addition to rankings and scores, we also provide dashboard ratings to highlight how close countries are to sustainability thresholds and arrows showing whether countries are projected to meet these thresholds in the future. Countries in Table 1 are sorted from greatest overall proportional impacts on the Global Commons to least, i.e., lowest score to highest.

Dashboard	Score	Impacts on the Global Commons
	95–100	None or limited
	90–95	Low
	80–90	Medium-low
	70–80	Medium-high
	50–70	High
	30–50	Very high
	0–30	Extreme

Arrow	Meaning
	Projected to meet 2050 threshold
	Projected to meet 2030 threshold only
	Insufficient progress toward threshold
	Headed in wrong direction

Concurrently achieving human development and environmental sustainability remains a challenge for all countries. Tables 1 and 2 contextualize relative impacts in the GCS Index by also listing per capita GDP and levels on the Human Development Index (HDI) (UNDP, 2022), which are classified as Very High (HDI \geq 0.80), High (0.80 > HDI \geq 0.70), Medium (0.70 > HDI \geq 0.55), and Low (HDI < 0.55).

Dashboard	Value	Human Development Index categories
	0.8–1.0	Very High
	0.7–0.8	High
	0.55–0.7	Medium
	0–0.55	Low

No country obtains both a high GCS Index score and a favorable HDI score, which means that all countries should make progress in reconciling environmental progress and human prosperity. High Income Countries (HICs) and Upper Middle Income Countries (UMICs) have the greatest impacts on the Global Commons, and reducing these impacts requires transitioning away from unsustainable production and consumption patterns. By contrast, Low Income Countries (LICs) and Lower Middle Income Countries (LMICs) tend to have relatively lower negative impacts on the Global Commons but face serious socio-economic challenges, including high poverty rates and low access to key infrastructure, including health and education. The high Index scores of LICs and LMICs are largely driven by very low levels of consumption, production, and human prosperity.

1.2. Proportional results

Table 1.
2022 GCS Index results in Proportional terms

COUNTRY	OVERALL			DOMESTIC			SPILLOVER			GDP	HDI	
	Rating	Score	Arrow	Rating	Score	Arrow	Rating	Score	Arrow	per capita	Value	Category
Qatar	■	2.0	→	■	2.6	↗	■	1.5	↓	85,266	0.855	■
Brunei Darussalam	■	2.1	→	■	2.6	→	■	1.7	→	62,244	0.829	■
Kuwait	■	3.8	→	■	3.3	→	■	4.4	↓	44,847	0.831	■
United Arab Emirates	■	3.9	→	■	2.4	→	■	6.2	→	63,299	0.911	■
Luxembourg	■	5.2	→	■	18.0	→	■	1.5	→	110,261	0.930	■
Singapore	■	6.0	→	■	33.7	→	■	1.1	→	93,397	0.939	■
Australia	■	6.1	→	■	2.1	→	■	17.7	→	48,698	0.951	■
Ireland	■	8.0	→	■	31.0	→	■	2.0	↓	90,625	0.945	■
Bahrain	■	8.6	→	■	6.5	→	■	11.2	↓	40,933	0.875	■
Iceland	■	9.5	↓	■	30.2	↓	■	3.0	↓	52,381	0.959	■
Oman	■	9.6	→	■	4.1	→	■	22.8	→	29,502	0.816	■
Belgium	■	11.6	→	■	34.1	→	■	4.0	↓	48,210	0.937	■
Canada	■	11.7	→	■	7.1	→	■	19.2	→	45,900	0.936	■
Finland	■	12.5	→	■	11.9	→	■	13.1	→	47,167	0.940	■
Switzerland	■	12.8	→	■	61.6	→	■	2.6	→	68,753	0.962	■
Norway	■	13.2	→	■	15.7	→	■	11.1	→	63,584	0.961	■
Netherlands	■	13.4	→	■	33.3	→	■	5.4	→	54,326	0.941	■
Saudi Arabia	■	13.8	→	■	10.1	→	■	18.7	→	44,328	0.875	■
New Zealand	■	15.1	→	■	13.6	→	■	16.7	→	42,404	0.937	■
Denmark	■	16.2	→	■	34.1	→	■	7.7	↓	55,820	0.948	■
United States	■	18.2	→	■	13.9	→	■	23.7	↓	59,909	0.921	■
Estonia	■	18.7	→	■	19.4	→	■	18.1	↓	35,215	0.890	■
Austria	■	20.7	→	■	32.8	→	■	13.1	↓	52,120	0.916	■
South Korea	■	21.7	↓	■	31.8	→	■	14.8	↓	42,251	0.925	■
Mongolia	■	23.1	→	■	10.2	↓	■	52.2	→	11,471	0.739	■
Israel	■	23.7	→	■	42.0	→	■	13.4	↓	38,341	0.919	■
Sweden	■	23.7	→	■	32.9	→	■	17.1	→	51,003	0.947	■
Lithuania	■	23.8	↓	■	34.7	↓	■	16.4	↓	36,732	0.875	■
Kazakhstan	■	24.4	→	■	15.8	→	■	37.6	→	25,337	0.811	■
Germany	■	25.7	→	■	36.2	→	■	18.3	→	51,374	0.942	■
Malta	■	26.8	→	■	64.6	→	■	11.2	↓	39,222	0.918	■
Slovenia	■	27.9	→	■	39.1	→	■	20.0	↓	37,091	0.918	■
Czechia	■	28.7	↓	■	28.5	→	■	28.9	↓	38,509	0.889	■
Cyprus	■	28.7	↓	■	44.3	↓	■	18.6	↓	27,885	0.896	■
Latvia	■	29.1	↓	■	37.9	→	■	22.4	↓	29,932	0.863	■
European Union	■	29.4	↓	■	37.3	↓	■	23.1	↓	41,721	0.903	■
Japan	■	30.1	→	■	43.2	→	■	21.0	→	39,716	0.925	■
Slovakia	■	30.2	↓	■	39.9	↓	■	22.8	↓	30,330	0.848	■
Russia	■	30.4	→	■	16.5	→	■	56.0	↗	26,895	0.822	■
Greece	■	31.0	→	■	33.1	→	■	29.1	→	27,287	0.887	■

Ratings

■	95–100	None or limited
■	90–95	Low
■	80–90	Medium-low
■	70–80	Medium-high
■	50–70	High
■	30–50	Very high
■	0–30	Extreme

Negative impacts on the Global Commons

Arrows

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in the wrong direction

HDI category

Classification on the Human Development Index

■	0.8–1.0	Very high
■	0.7–0.8	High
■	0.55–0.7	Medium
■	0–0.55	Low

Table 1.
(Continued)

COUNTRY	OVERALL			DOMESTIC			SPILLOVER			GDP	HDI	
	Rating	Score	Arrow	Rating	Score	Arrow	Rating	Score	Arrow	per capita	Value	Category
United Kingdom	■	32.2	→	■	42.2	→	■	24.7	→	41,606	0.929	■
Croatia	■	32.6	↓	■	33.4	→	■	31.9	↓	26,465	0.858	■
Malaysia	■	32.7	→	■	30.4	→	■	35.1	→	26,435	0.803	■
Gabon	■	34.0	→	■	19.8	→	■	58.6	→	14,400	0.706	■
Italy	■	34.1	→	■	44.3	→	■	26.3	→	38,992	0.895	■
Uruguay	■	34.3	→	■	25.3	→	■	46.6	→	21,608	0.809	■
Spain	■	34.5	→	■	40.7	→	■	29.3	↓	36,220	0.905	■
Botswana	■	34.8	→	■	46.5	→	■	26.0	→	16,040	0.693	■
France	■	34.8	→	■	48.2	→	■	25.1	→	42,289	0.903	■
Poland	■	35.4	↓	■	30.8	→	■	40.5	↓	32,238	0.876	■
Belarus	■	35.7	→	■	31.5	→	■	40.5	→	19,148	0.808	■
Chile	■	36.1	→	■	36.4	→	■	35.8	→	23,325	0.855	■
Portugal	■	36.5	→	■	48.0	→	■	27.7	↓	32,178	0.866	■
Hungary	■	37.0	↓	■	39.7	↓	■	34.5	↓	31,008	0.846	■
Iran	■	39.6	→	■	29.4	→	■	53.4	↓	12,433	0.774	■
Bulgaria	■	40.2	↓	■	35.2	↓	■	45.9	↓	22,384	0.795	■
Namibia	■	41.0	→	■	54.1	→	■	31.0	→	8,894	0.615	■
Azerbaijan	■	41.6	→	■	37.0	→	■	46.7	→	13,700	0.745	■
Bhutan	■	42.1	→	■	36.9	→	■	48.0	→	10,909	0.666	■
Jordan	■	42.9	→	■	68.4	→	■	26.9	→	9,817	0.720	■
Bosnia & Herzegovina	■	43.3	↓	■	33.9	↓	■	55.2	↓	14,340	0.780	■
Thailand	■	43.7	→	■	35.5	→	■	53.7	→	17,287	0.800	■
Lebanon	■	44.4	→	■	58.9	→	■	33.4	→	11,649	0.706	■
Paraguay	■	44.5	→	■	32.3	↓	■	61.3	→	12,335	0.717	■
Belize	■	45.5	→	■	35.7	→	■	58.1	→	6,120	0.683	■
Argentina	■	45.7	→	■	32.6	→	■	64.3	→	19,687	0.842	■
Iraq	■	45.8	→	■	38.5	→	■	54.5	→	9,255	0.686	■
South Africa	■	46.0	→	■	31.2	→	■	68.0	→	11,466	0.713	■
Mexico	■	47.0	→	■	40.1	→	■	55.1	↓	17,888	0.758	■
Romania	■	48.2	↓	■	49.9	↓	■	46.6	↓	28,833	0.821	■
Turkey	■	48.4	→	■	47.6	→	■	49.2	→	28,385	0.838	■
Brazil	■	48.4	→	■	33.1	→	■	70.8	→	14,064	0.754	■
Georgia	■	49.1	→	■	55.3	→	■	43.7	→	14,089	0.802	■
North Macedonia	■	49.2	→	■	53.3	↓	■	45.5	→	15,848	0.770	■
Ecuador	■	49.5	→	■	42.0	→	■	58.4	→	10,329	0.740	■
Panama	■	49.7	→	■	53.3	→	■	46.3	→	25,382	0.805	■
China	■	49.8	↓	■	36.0	→	■	68.9	↓	16,411	0.768	■
Venezuela	■	50.6	→	■	51.2	→	■	50.0	→	8,399	0.691	■
El Salvador	■	50.7	→	■	73.8	→	■	34.8	→	8,057	0.675	■
Congo, Republic of	■	50.9	→	■	41.9	→	■	62.0	→	3,449	0.571	■
Vietnam	■	51.4	↓	■	43.8	↓	■	60.2	↓	8,200	0.703	■
Armenia	■	51.4	→	■	70.2	→	■	37.7	→	12,593	0.759	■
Colombia	■	52.0	→	■	39.7	→	■	68.0	→	13,441	0.752	■
Moldova	■	52.5	→	■	57.6	↓	■	47.9	→	12,325	0.767	■
Ukraine	■	52.6	→	■	50.7	→	■	54.6	→	11,707	0.773	■
Costa Rica	■	53.2	↓	■	58.9	→	■	48.1	↓	19,679	0.809	■
Algeria	■	53.4	→	■	43.1	→	■	66.2	→	10,682	0.745	■
Cuba	■	55.0	→	■	47.3	→	■	63.9	→	24,668	0.764	■
Dominican Republic	■	55.0	→	■	54.0	→	■	56.0	→	17,003	0.767	■
Bolivia	■	55.4	→	■	41.7	→	■	73.6	→	7,932	0.692	■
Tunisia	■	56.0	→	■	49.9	→	■	62.7	→	9,728	0.731	■
Laos	■	57.3	→	■	46.7	↓	■	70.4	→	7,806	0.607	■
Peru	■	59.0	→	■	54.3	→	■	64.1	↓	11,261	0.762	■
Jamaica	■	59.1	→	■	63.3	→	■	55.2	→	8,742	0.709	■
Indonesia	■	59.1	→	■	43.8	→	■	79.9	→	11,445	0.705	■

1.2. Proportional results

Table 1.
(Continued)

COUNTRY	OVERALL			DOMESTIC			SPILLOVER			GDP	HDI	
	Rating	Score	Arrow	Rating	Score	Arrow	Rating	Score	Arrow	per capita	Value	Category
Albania	■	59.8	→	■	65.7	→	■	54.4	→	13,295	0.796	■
Guatemala	■	59.9	→	■	52.1	→	■	69.0	→	8,393	0.627	■
Uzbekistan	■	60.8	→	■	47.8	→	■	77.3	→	6,994	0.727	■
Egypt	■	62.8	→	■	55.0	→	■	71.6	→	11,951	0.731	■
Sri Lanka	■	63.7	→	■	66.6	→	■	61.0	↓	12,537	0.782	■
Philippines	■	64.7	↓	■	59.4	→	■	70.5	↓	7,954	0.699	■
Zimbabwe	■	65.9	→	■	55.6	→	■	78.0	→	2,745	0.593	■
Honduras	■	68.0	→	■	68.0	↗	■	68.0	→	5,138	0.621	■
Cambodia	■	68.4	→	■	56.5	→	■	82.9	→	4,192	0.593	■
Angola	■	68.8	↗	■	62.8	↗	■	75.5	↗	6,198	0.586	■
Nigeria	■	69.1	→	■	49.3	→	■	96.7	↗	4,917	0.535	■
Ghana	■	69.5	→	■	63.1	→	■	76.5	→	5,305	0.632	■
Myanmar	■	70.0	↓	■	53.1	↓	■	92.3	↓	4,544	0.585	■
Mauritania	■	70.1	→	■	65.7	→	■	74.9	↗	4,983	0.556	■
India	■	70.2	→	■	51.8	↓	■	95.0	→	6,118	0.633	■
Morocco	■	71.5	→	■	72.2	→	■	70.7	→	7,028	0.683	■
Côte d'Ivoire	■	71.6	→	■	64.2	→	■	79.8	↓	5,174	0.550	■
Nicaragua	■	71.8	→	■	67.1	→	■	76.7	↗	5,280	0.667	■
Haiti	■	72.6	→	■	67.7	→	■	77.9	↓	2,773	0.535	■
Nepal	■	73.0	↓	■	74.9	↓	■	71.1	↓	3,800	0.602	■
Kyrgyzstan	■	74.6	→	■	61.9	→	■	90.0	→	4,707	0.692	■
Guinea	■	74.9	→	■	66.6	→	■	84.2	↓	2,671	0.465	■
Papua New Guinea	■	75.4	→	■	80.8	→	■	70.4	↗	4,101	0.558	■
Cameroon	■	76.2	↗	■	62.2	→	■	93.4	↗	3,576	0.576	■
Tajikistan	■	76.3	↗	■	69.6	→	■	83.8	↑	3,658	0.685	■
Zambia	■	76.8	→	■	66.3	→	■	89.0	↗	3,270	0.565	■
Mozambique	■	77.3	↗	■	68.1	→	■	87.8	↗	1,229	0.446	■
Kenya	■	77.8	→	■	76.9	→	■	78.7	→	4,220	0.575	■
Pakistan	■	78.0	→	■	61.3	→	■	99.3	→	4,623	0.544	■
Liberia	■	78.0	→	■	62.2	→	■	97.9	→	1,354	0.481	■
Chad	■	78.9	→	■	62.3	→	■	99.9	↗	1,520	0.394	■
Uganda	■	80.7	↗	■	66.5	→	■	97.9	↑	2,178	0.525	■
Senegal	■	82.0	→	■	84.0	→	■	80.0	→	3,300	0.511	■
Tanzania	■	82.7	↗	■	69.3	→	■	98.9	↑	2,558	0.549	■
Somalia	■	84.5	↗	■	71.4	→	■	100.0	↗	1,444	NA	■
Benin	■	85.2	→	■	85.2	→	■	85.2	→	3,323	0.525	■
Central African Republic	■	85.4	→	■	80.2	→	■	91.0	↓	929	0.404	■
Madagascar	■	87.4	→	■	78.0	→	■	97.8	↗	1,510	0.501	■
Bangladesh	■	87.8	→	■	88.2	↓	■	87.4	→	4,818	0.661	■
Eritrea	■	89.2	→	■	79.7	→	■	99.9	→	3,004	0.492	■
Ethiopia	■	89.5	→	■	80.2	→	■	99.8	↓	2,297	0.498	■
Mali	■	89.6	→	■	82.9	→	■	96.8	↓	2,217	0.428	■
Malawi	■	89.6	→	■	82.5	→	■	97.3	→	1,487	0.512	■
Burkina Faso	■	90.5	→	■	83.8	→	■	97.8	→	2,161	0.449	■
Congo, Dem. Rep.	■	90.7	→	■	86.3	→	■	95.4	↓	1,072	0.479	■
Togo	■	91.5	→	■	86.5	→	■	96.7	↗	2,108	0.539	■
Sierra Leone	■	91.6	↗	■	86.4	→	■	97.2	↗	1,648	0.477	■
Gambia	■	92.2	→	■	87.4	↗	■	97.3	→	2,159	0.500	■
Rwanda	■	92.5	→	■	92.9	→	■	92.0	→	2,099	0.534	■
Niger	■	92.5	→	■	87.3	→	■	98.1	→	1,197	0.400	■
Burundi	■	93.8	↗	■	88.5	→	■	99.4	↗	731	0.426	■

Note: Countries are sorted by Overall score from lowest (greatest negative impact on the Global Commons) to highest. Index results are contextualized by GDP per capita and Human Development Index (HDI) values.

Sources: GDP (constant 2017 US\$, PPP) and population from the World Bank DataBank; Human Development Index (HDI) from the UN Development Programme (2022).

1.3. Absolute results

While all countries have a shared responsibility for safeguarding the Global Commons, absolute impacts vary considerably around the world. In contrast to proportional impacts, usually denominated by population for cross-country comparisons, absolute results focus on total impacts of countries. Large countries and economies have larger absolute impacts on the Global Commons and a special responsibility to take decisive actions. Table 2 lists scores for the countries in the 2022 GCS Index, overall and by sub-pillar, in absolute terms, and countries are sorted from greatest overall absolute impacts on the Global Commons to least, i.e., lowest overall score to highest. Generally, the countries with the highest absolute impacts are among the world's largest, by either population or GDP, with all members of the G7 obtaining among the poorest scores.

The five countries with the worst impacts are the United States, China, India, Russia, and Japan – joined by the EU27. To illustrate the out-sized influence large countries have on the Global Commons, these bottom five entities are responsible, domestically, for 58% of GHG emissions, 51% of forest cover loss, and 61% of water stress in the entire world, in the most recent years for which we have data. In terms of spillover impacts embodied in traded goods and services, they are responsible for 52% of GHG emissions, 52% of forest cover loss, and 36% of water stress. Attention to absolute impacts can help prioritize countries with negative domestic activities and the leading trade partners with whom smaller countries share responsibility for spillovers.

1.3. Absolute results

Table 2.
2022 GCS Index results in Absolute terms

COUNTRY	OVERALL			DOMESTIC			SPILLOVER			GDP	HDI	
	Rating	Score	Arrow	Rating	Score	Arrow	Rating	Score	Arrow	per capita	Value	Category
United States	■	1.4	↓	■	1.8	→	■	1.1	↓	59,909	0.921	■
China	■	1.6	↓	■	2.4	↓	■	1.1	↓	16,411	0.768	■
European Union	■	1.8	↓	■	3.3	↓	■	1.0	↓	41,721	0.903	■
India	■	7.1	↓	■	2.6	↓	■	19.3	↓	6,118	0.633	■
Russia	■	14.0	→	■	6.2	→	■	31.4	→	26,895	0.822	■
Japan	■	16.5	→	■	24.2	→	■	11.3	→	39,716	0.925	■
Indonesia	■	19.1	→	■	10.1	↓	■	36.2	→	11,445	0.705	■
Brazil	■	19.5	→	■	11.1	→	■	34.2	→	14,064	0.754	■
Germany	■	20.6	→	■	25.0	→	■	16.9	↓	51,374	0.942	■
Canada	■	23.4	→	■	17.2	→	■	31.6	→	45,900	0.936	■
Australia	■	23.8	→	■	14.9	→	■	37.9	→	48,698	0.951	■
Mexico	■	25.4	↓	■	19.5	→	■	33.1	↓	17,888	0.758	■
United Kingdom	■	26.4	→	■	28.2	→	■	24.8	→	41,606	0.929	■
South Korea	■	27.1	↓	■	30.6	↓	■	24.0	↓	42,251	0.925	■
Iran	■	27.4	→	■	19.0	→	■	39.5	↓	12,433	0.774	■
Saudi Arabia	■	29.2	→	■	25.2	→	■	33.8	→	44,328	0.875	■
France	■	29.3	→	■	34.3	→	■	25.0	↓	42,289	0.903	■
Italy	■	29.5	→	■	32.4	→	■	26.9	→	38,992	0.895	■
Vietnam	■	32.0	↓	■	26.3	↓	■	38.9	↓	8,200	0.703	■
Nigeria	■	32.4	→	■	19.9	↓	■	52.6	→	4,917	0.535	■
Spain	■	33.6	↓	■	33.2	→	■	34.0	↓	36,220	0.905	■
Thailand	■	33.7	→	■	26.8	→	■	42.4	→	17,287	0.800	■
Turkey	■	34.0	↓	■	31.5	↓	■	36.7	↓	28,385	0.838	■
United Arab Emirates	■	35.7	→	■	27.2	→	■	46.9	→	63,299	0.911	■
Malaysia	■	36.5	→	■	30.2	→	■	44.1	→	26,435	0.803	■
Poland	■	37.0	→	■	30.7	→	■	44.6	↓	32,238	0.876	■
South Africa	■	37.1	→	■	25.2	→	■	54.5	→	11,466	0.713	■
Philippines	■	38.3	↓	■	31.9	→	■	46.0	↓	7,954	0.699	■
Netherlands	■	38.6	→	■	41.1	→	■	36.1	→	54,326	0.941	■
Egypt	■	38.6	→	■	31.0	→	■	48.0	→	11,951	0.731	■
Pakistan	■	38.7	→	■	26.8	↓	■	55.7	→	4,623	0.544	■
Kazakhstan	■	38.9	→	■	27.6	→	■	54.8	→	25,337	0.811	■
Colombia	■	39.6	→	■	27.5	→	■	57.0	→	13,441	0.752	■
Argentina	■	41.5	→	■	30.5	→	■	56.6	→	19,687	0.842	■
Bangladesh	■	43.3	→	■	37.7	↓	■	49.7	→	4,818	0.661	■
Algeria	■	43.6	→	■	32.4	→	■	58.7	→	10,682	0.745	■
Iraq	■	44.6	→	■	36.9	→	■	53.9	→	9,255	0.686	■
Ukraine	■	44.7	→	■	39.7	→	■	50.4	→	11,707	0.773	■
Norway	■	46.2	→	■	35.7	→	■	59.6	→	63,584	0.961	■
Belgium	■	46.4	→	■	50.0	→	■	43.0	→	48,210	0.937	■

Ratings

■	95–100	None or limited
■	90–95	Low
■	80–90	Medium-low
■	70–80	Medium-high
■	50–70	High
■	30–50	Very high
■	0–30	Extreme

Arrows

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in the wrong direction

HDI category

Classification on the Human Development Index

■	0.8–1.0	Very high
■	0.7–0.8	High
■	0.55–0.7	Medium
■	0–0.55	Low

Table 2.
(Continued)

COUNTRY	OVERALL			DOMESTIC			SPILLOVER			GDP	HDI	
	Rating	Score	Arrow	Rating	Score	Arrow	Rating	Score	Arrow	per capita	Value	Category
Qatar	■	46.8	→	■	36.0	↗	■	60.8	→	85,266	0.855	■
Chile	■	46.9	→	■	41.0	→	■	53.7	→	23,325	0.855	■
Kuwait	■	48.6	→	■	39.7	→	■	59.4	↓	44,847	0.831	■
Singapore	■	49.7	→	■	57.3	→	■	43.1	→	93,397	0.939	■
Sweden	■	49.7	→	■	47.3	→	■	52.3	→	51,003	0.947	■
Venezuela	■	49.9	↗	■	44.0	↗	■	56.6	↗	8,399	0.691	■
Austria	■	50.3	→	■	48.2	→	■	52.6	→	52,120	0.916	■
Myanmar	■	50.6	↓	■	35.8	↓	■	71.5	↓	4,544	0.585	■
Czechia	■	50.6	→	■	43.8	→	■	58.5	→	38,509	0.889	■
Peru	■	51.1	→	■	42.2	→	■	61.9	↓	11,261	0.762	■
Oman	■	51.1	→	■	38.5	→	■	67.8	→	29,502	0.816	■
Greece	■	51.2	→	■	45.0	→	■	58.2	→	27,287	0.887	■
Ecuador	■	51.5	→	■	38.6	→	■	68.7	→	10,329	0.740	■
Denmark	■	51.7	→	■	50.5	→	■	52.9	→	55,820	0.948	■
Israel	■	52.3	→	■	51.7	→	■	53.0	↓	38,341	0.919	■
New Zealand	■	52.4	→	■	42.2	→	■	65.1	→	42,404	0.937	■
Uzbekistan	■	52.6	→	■	39.5	→	■	70.0	→	6,994	0.727	■
Romania	■	53.4	→	■	48.3	↓	■	59.1	→	28,833	0.821	■
Ethiopia	■	53.5	↓	■	38.6	→	■	74.3	↓	2,297	0.498	■
Kenya	■	54.4	↓	■	47.6	↓	■	62.3	↓	4,220	0.575	■
Azerbaijan	■	54.4	→	■	42.0	→	■	70.5	→	13,700	0.745	■
Hungary	■	55.1	→	■	48.0	→	■	63.3	→	31,008	0.846	■
Ireland	■	55.8	→	■	55.0	→	■	56.7	↓	90,625	0.945	■
Switzerland	■	55.9	→	■	65.6	→	■	47.6	→	68,753	0.962	■
Belarus	■	55.9	→	■	46.2	→	■	67.6	→	19,148	0.808	■
Angola	■	56.9	↗	■	46.5	→	■	69.7	↗	6,198	0.586	■
Ghana	■	57.1	↓	■	46.0	↓	■	70.8	→	5,305	0.632	■
Portugal	■	57.5	→	■	55.8	→	■	59.2	→	32,178	0.866	■
Finland	■	57.5	→	■	54.5	→	■	60.7	→	47,167	0.940	■
Sri Lanka	■	57.8	→	■	50.6	→	■	66.0	↓	12,537	0.782	■
Morocco	■	58.9	→	■	54.1	→	■	64.1	→	7,028	0.683	■
Côte d'Ivoire	■	60.5	↓	■	48.4	→	■	75.6	↓	5,174	0.550	■
Slovakia	■	60.7	→	■	55.8	→	■	66.0	↓	30,330	0.848	■
Guatemala	■	60.8	→	■	48.9	→	■	75.7	→	8,393	0.627	■
Bulgaria	■	61.1	→	■	49.6	→	■	75.3	→	22,384	0.795	■
Jordan	■	61.2	↗	■	63.8	↗	■	58.6	↗	9,817	0.720	■
Congo, Dem. Rep.	■	61.3	↓	■	52.5	→	■	71.6	↓	1,072	0.479	■
Mongolia	■	61.3	→	■	40.9	↓	■	92.0	→	11,471	0.739	■
Tanzania	■	61.5	↗	■	45.1	→	■	83.7	↑	2,558	0.549	■
Uganda	■	61.5	→	■	43.3	↓	■	87.3	↗	2,178	0.525	■
Mozambique	■	61.5	→	■	48.6	→	■	77.9	↗	1,229	0.446	■
Bolivia	■	62.0	→	■	45.4	→	■	84.7	→	7,932	0.692	■
Nepal	■	62.3	↓	■	56.8	↓	■	68.3	↓	3,800	0.602	■
Tunisia	■	62.4	→	■	50.3	→	■	77.5	→	9,728	0.731	■
Cameroon	■	62.9	→	■	47.2	→	■	83.9	↗	3,576	0.576	■
Croatia	■	63.2	→	■	52.8	→	■	75.7	→	26,465	0.858	■
Cuba	■	64.1	→	■	52.1	→	■	78.8	→	24,668	0.764	■
Dominican Republic	■	64.5	→	■	55.5	↓	■	75.0	→	17,003	0.767	■
Cambodia	■	65.2	→	■	50.4	→	■	84.4	→	4,192	0.593	■
Zimbabwe	■	66.2	→	■	52.7	→	■	83.3	→	2,745	0.593	■
Lebanon	■	66.9	→	■	65.3	→	■	68.5	→	11,649	0.706	■
Lithuania	■	67.3	→	■	61.8	↓	■	73.2	→	36,732	0.875	■
Congo, Republic of	■	68.7	→	■	51.9	→	■	91.1	→	3,449	0.571	■
Laos	■	69.8	→	■	54.0	↓	■	90.2	→	7,806	0.607	■
Paraguay	■	70.3	→	■	58.2	↓	■	84.9	→	12,335	0.717	■

1.3. Absolute results

Table 2.
(Continued)

COUNTRY	OVERALL			DOMESTIC			SPILLOVER			GDP	HDI	
	Rating	Score	Arrow	Rating	Score	Arrow	Rating	Score	Arrow	per capita	Value	Category
El Salvador	🟡	70.8	➔	🔴	70.0	➔	🟡	71.6	➔	8,057	0.675	🔴
Zambia	🟡	71.5	➔	🔴	58.1	⬇️	🟡	88.0	➔	3,270	0.565	🔴
Honduras	🟡	72.4	➔	🔴	62.6	➔	🟡	83.7	➔	5,138	0.621	🔴
Brunei Darussalam	🟡	72.5	➔	🔴	54.7	➔	🟢	96.0	➔	62,244	0.829	🟢
Botswana	🟡	72.5	➔	🔴	63.4	➔	🟡	83.0	➔	16,040	0.693	🔴
Slovenia	🟡	72.9	➔	🔴	66.6	➔	🟡	79.7	➔	37,091	0.918	🟢
Bosnia & Herzegovina	🟡	73.5	➔	🔴	58.2	➔	🟢	92.8	➔	14,340	0.780	🟡
Madagascar	🟡	73.8	➔	🔴	57.6	➔	🟢	94.5	➔	1,510	0.501	🟡
Georgia	🟡	73.8	➔	🔴	64.7	➔	🟡	84.2	➔	14,089	0.802	🟢
Costa Rica	🟡	73.9	➔	🔴	66.4	➔	🟡	82.2	⬇️	19,679	0.809	🟢
Guinea	🟡	73.9	⬇️	🔴	60.8	➔	🟡	89.8	⬇️	2,671	0.465	🟡
Latvia	🟡	74.1	➔	🔴	66.3	➔	🟡	82.7	➔	29,932	0.863	🟢
Bahrain	🟡	74.2	➔	🔴	68.5	➔	🟡	80.5	⬇️	40,933	0.875	🟢
Haiti	🟡	74.6	⬇️	🔴	63.6	➔	🟡	87.6	⬇️	2,773	0.535	🟡
Panama	🟡	74.9	➔	🔴	66.7	➔	🟡	84.0	➔	25,382	0.805	🟢
Uruguay	🟡	75.0	➔	🔴	64.0	➔	🟡	88.0	⬆️	21,608	0.809	🟢
Chad	🟡	75.5	➔	🔴	57.1	⬇️	🟢	99.8	➔	1,520	0.394	🟡
Senegal	🟡	75.7	➔	🔴	69.0	➔	🟡	83.0	➔	3,300	0.511	🟡
Estonia	🟡	75.9	➔	🔴	66.4	➔	🟡	86.6	➔	35,215	0.890	🟢
Mali	🟡	75.9	⬇️	🔴	62.8	➔	🟢	91.6	⬇️	2,217	0.428	🟡
Burkina Faso	🟡	76.4	⬇️	🔴	63.0	➔	🟢	92.7	⬇️	2,161	0.449	🟡
Somalia	🟡	77.6	➔	🔴	60.1	➔	🟢	100.0	➔	1,444	NA	🟡
Namibia	🟡	78.1	➔	🔴	72.1	➔	🟡	84.6	➔	8,894	0.615	🔴
Tajikistan	🟡	78.4	➔	🔴	65.2	➔	🟢	94.2	➔	3,658	0.685	🔴
Kyrgyzstan	🟡	78.4	➔	🔴	62.0	➔	🟢	99.2	➔	4,707	0.692	🔴
Gabon	🟡	78.6	➔	🔴	62.9	➔	🟢	98.2	➔	14,400	0.706	🟡
Niger	🟡	79.7	⬇️	🔴	65.5	⬇️	🟢	96.9	⬇️	1,197	0.400	🟡
Papua New Guinea	🟡	79.7	➔	🔴	72.8	➔	🟡	87.2	➔	4,101	0.558	🔴
Benin	🟡	79.7	➔	🔴	69.4	⬇️	🟢	91.5	➔	3,323	0.525	🟡
Malawi	🟡	80.0	⬇️	🔴	66.6	⬇️	🟢	96.2	➔	1,487	0.512	🟡
Luxembourg	🟡	81.4	➔	🟡	80.7	➔	🟡	82.1	➔	110,261	0.930	🟢
Nicaragua	🟡	81.5	➔	🔴	69.7	➔	🟢	95.4	➔	5,280	0.667	🔴
Armenia	🟡	82.2	➔	🟡	79.6	➔	🟡	84.9	➔	12,593	0.759	🟡
North Macedonia	🟡	82.6	➔	🟡	72.3	➔	🟢	94.4	➔	15,848	0.770	🟡
Cyprus	🟡	82.9	➔	🟡	77.9	➔	🟡	88.1	⬇️	27,885	0.896	🟢
Jamaica	🟡	83.2	➔	🟡	72.9	➔	🟢	94.9	➔	8,742	0.709	🟡
Moldova	🟡	83.3	➔	🟡	75.8	➔	🟢	91.6	➔	12,325	0.767	🟡
Albania	🟡	83.4	➔	🟡	73.6	➔	🟢	94.6	➔	13,295	0.796	🟡
Liberia	🟡	83.7	➔	🟡	70.3	➔	🟢	99.6	➔	1,354	0.481	🟡
Mauritania	🟡	84.9	➔	🟡	73.4	➔	🟢	98.1	➔	4,983	0.556	🔴
Togo	🟡	85.5	➔	🟡	74.1	➔	🟢	98.7	➔	2,108	0.539	🟡
Rwanda	🟡	85.9	⬇️	🟡	77.3	⬇️	🟢	95.4	⬇️	2,099	0.534	🟡
Sierra Leone	🟡	86.0	➔	🟡	74.9	➔	🟢	98.7	➔	1,648	0.477	🟡
Burundi	🟡	86.1	➔	🟡	74.6	⬇️	🟢	99.4	➔	731	0.426	🟡
Belize	🟡	86.3	➔	🟡	74.7	➔	🟢	99.8	➔	6,120	0.683	🔴
Central African Republic	🟡	87.6	⬇️	🟡	77.8	⬇️	🟢	98.8	⬇️	929	0.404	🟡
Eritrea	🟡	89.6	➔	🟡	80.2	➔	🟢	100.0	➔	3,004	0.492	🟡
Bhutan	🟢	90.4	➔	🟡	82.4	➔	🟢	99.1	➔	10,909	0.666	🔴
Malta	🟢	92.7	➔	🟡	87.2	➔	🟢	98.4	⬇️	39,222	0.918	🟢
Iceland	🟢	94.0	⬇️	🟡	89.0	➔	🟢	99.4	⬇️	52,381	0.959	🟢
Gambia	🟢	94.7	➔	🟡	89.6	➔	🟢	100.0	⬇️	2,159	0.500	🟡

Note: Countries are sorted by Overall score from lowest (greatest negative impact on the Global Commons) to highest. Index results are contextualized by GDP per capita and Human Development Index (HDI) values.

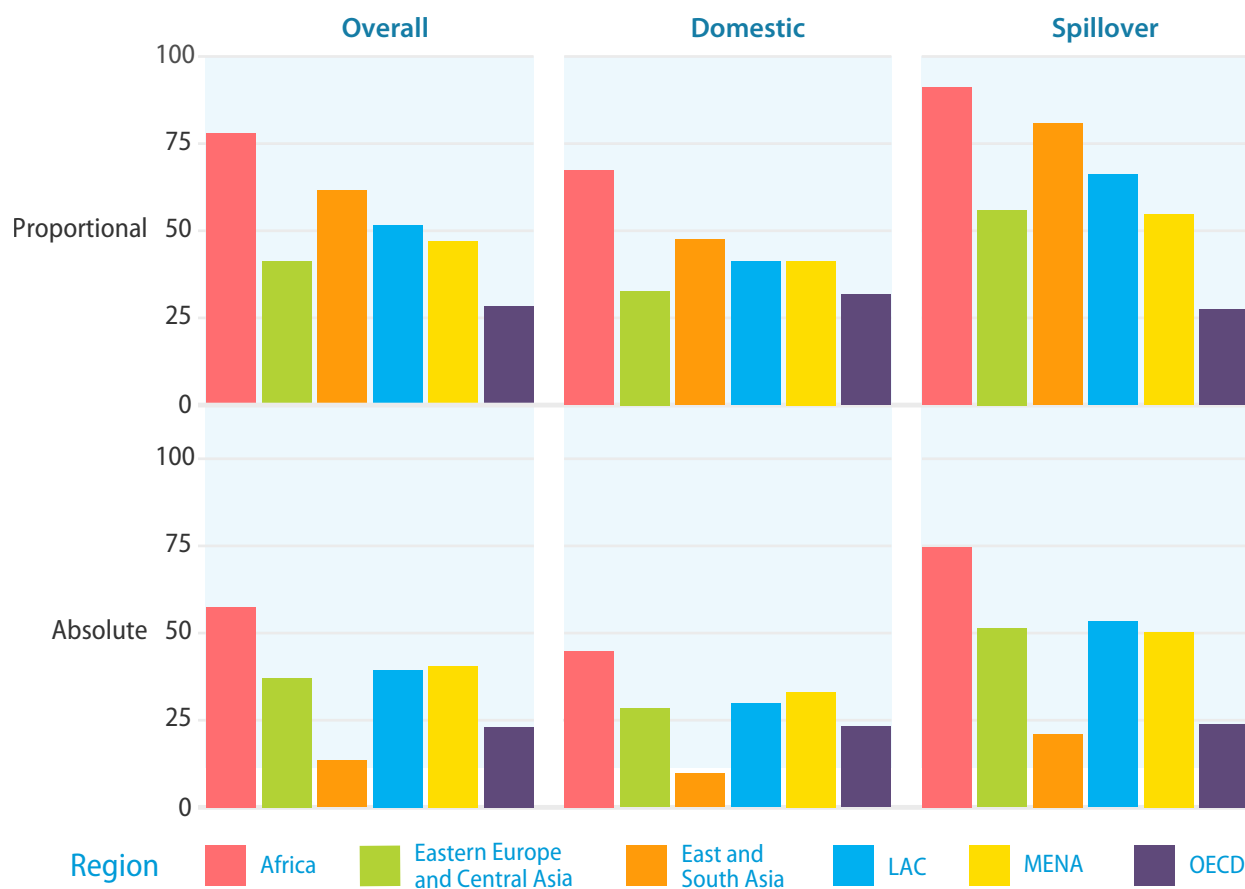
Sources: GDP (constant 2017 US\$, PPP) and population from the World Bank DataBank; Human Development Index (HDI) from the UN Development Programme (2022).

1.4. The GCS Index by major world regions

Comparing scores on the GCS Index also helps to distinguish how impacts vary by region. Six groups of countries illustrate the different burdens globally: Africa, East & South Asia, Eastern Europe & Central Asia, Latin America & the Caribbean, the Middle East & North Africa, and the OECD (listed in Appendix A). Figure 4 shows population-weighted average scores for these six regions.

Among the six groups, the OECD stands out for its low scores, i.e., significant negative impacts on the Global Commons, overall and within the Domestic and Spillover pillars. In proportional terms, no other region scores lower, and in absolute terms, only countries in East & South Asia have greater negative impacts, largely driven by China and India. High scores for Africa, reflecting fewer negative impacts to the Global Commons, stem partly from lower levels of production and consumption than other regions.

Figure 4. Population-weighted Overall, Domestic, and Spillover scores, in proportional and absolute terms, across six regions



Note: MENA = Middle East & North Africa, LAC = Latin America & the Caribbean.

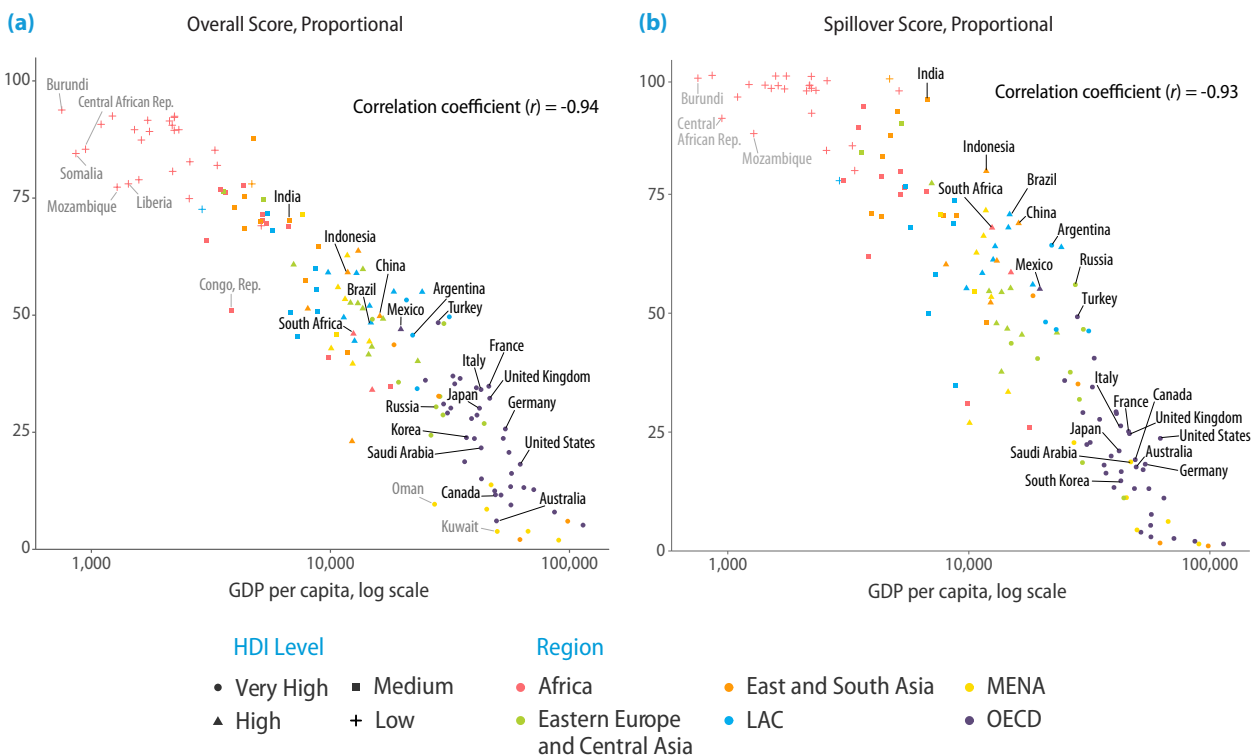
1.5. The GCS Index and economic development

The level of economic development stands out as the dominant explanation for countries' scores on the 2022 Global Commons Stewardship Index. As illustrated in Figure 5, GDP per capita shows a statistically significant and very strong negative correlation with overall GCS Index score ($r = -0.94, p < 0.001$) and with the Spillover score ($r = -0.93, p < 0.001$). Overall, HICs and UMICs are responsible for the greatest share

of negative domestic and spillover impacts on the Global Commons. Interestingly, some countries, such as Brazil and India, perform poorly on the domestic pillar (and even more so in absolute terms) but tend to generate fewer negative spillover impacts through imported goods and services. By contrast, LICs and LMICs, especially in sub-Saharan Africa, tend to generate limited negative impacts on the Global Commons, partly due to very low levels of consumption and production. No country combines high per capita GDP and high GCS Index scores, which would appear near the top right area of Figure 5a.

Figure 5.

Comparison of (a) Overall GCS Index score and (b) Spillover score, in proportional terms, to GDP per capita



Note: MENA = Middle East & North Africa, LAC = Latin America & the Caribbean. Labeled countries correspond to G20 countries and outliers.

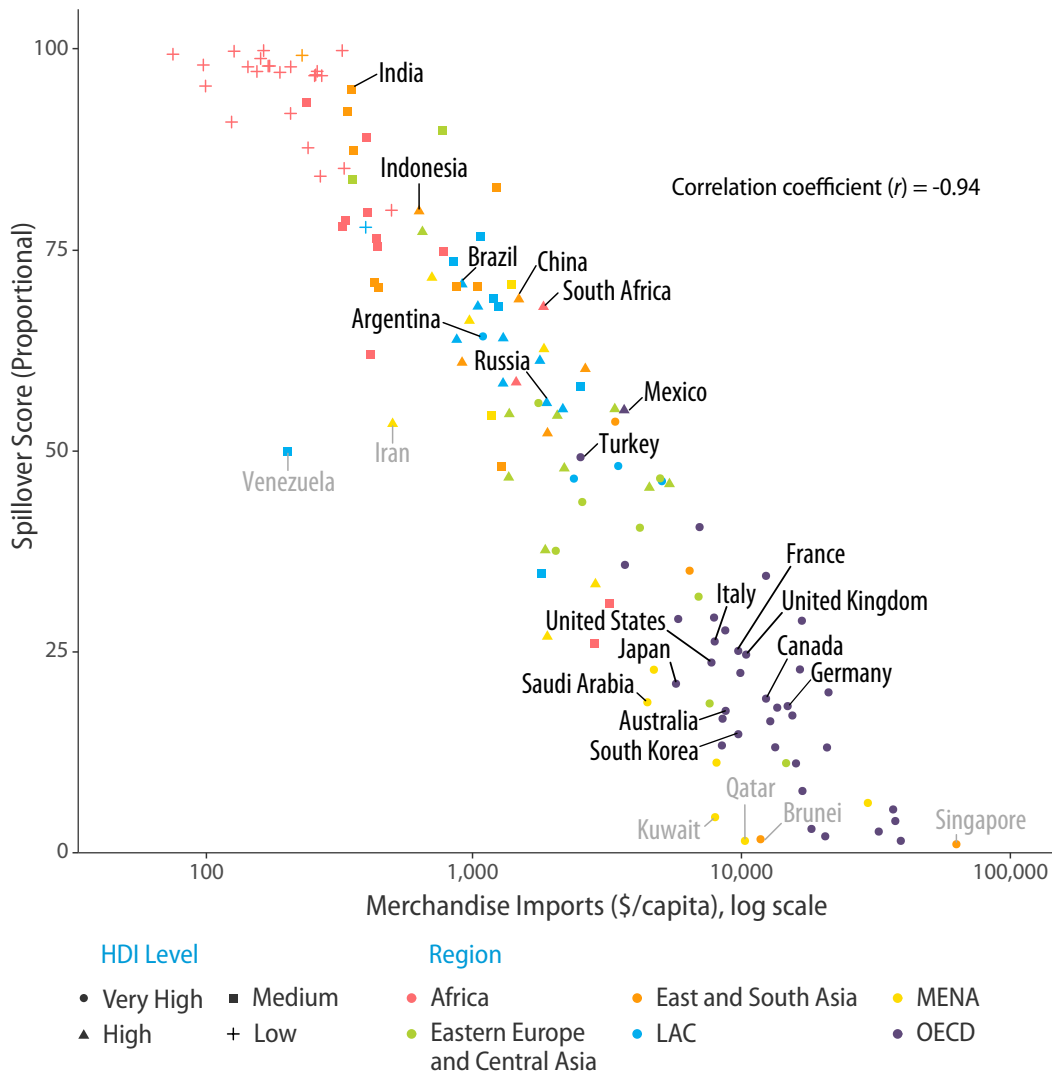
Source: GDP and population from the World Bank DataBank.

1.6. The GCS Index and trade intensity

Overall, countries that import a large share of the goods and services consumed within their borders tend to generate negative spillover impacts. Figure 6

shows a statistically significant and very strong negative correlation ($r = -0.94, p < 0.001$) between Spillover scores and per capita merchandise imports, an indicator of the extent to which a country relies on goods and services produced elsewhere in the world. The spillover impacts include direct and indirect imports that are included in final products and services

Figure 6. Comparison of Spillover score, in proportional terms, with Merchandise Imports per capita



Note: MENA = Middle East & North Africa, LAC = Latin America & the Caribbean. Labeled countries correspond to G20 countries and outliers.

Source: Merchandise imports and population from the World Bank DataBank.

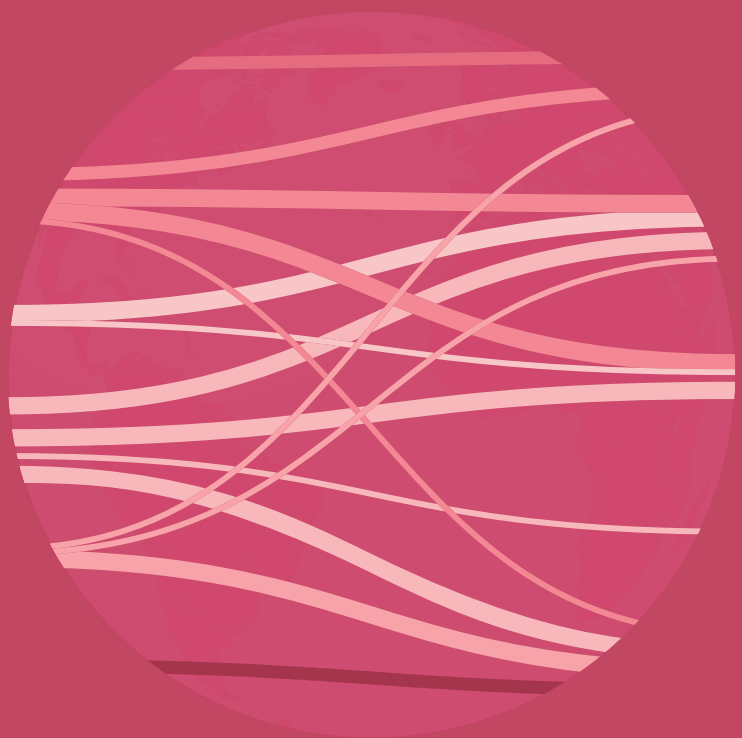
1.6. The GCS Index and trade intensity

consumed in a country. Because some imported goods are ultimately included in exports for other countries to consume, this measure of merchandise imports is a proxy indicator for embodied imports.

Widespread international environmental spillovers drive the degradation of the Global Commons. They are driven by inadequate pricing of external costs in the current economic system and national policy frameworks that are designed to meet national needs without due regard to the impacts these policies may have on other countries and the Global Commons. Guiding sustainable transformations in production and consumption patterns will require policies that recognize the shared responsibilities of both exporters and importers of spillovers embodied in trade. The international trade system can provide a critical point of leverage for shifting the world to a more sustainable trajectory. More broadly, the value of traded goods and services must also incorporate a fundamental reckoning of the externalities associated with negative impacts to the Global Commons. Sections 2 and 3 of this report provide further details on supply chains, industries, and sectors responsible for specific spillover impacts, informing policy measures that can curb negative spillover effects.

Part 2.

SECTORAL TRADE FLOWS OF SPILLOVER IMPACTS



Part 2.

Sectoral trade flows of spillover impacts

Understanding impacts to the Global Commons can also be sharpened by identifying specific economic sectors driving spillovers embodied in traded goods and services. For most of the spillover indicators in the GCS Index, analyses of MRIO tables can characterize how specific sectors contribute to threats to the environment and identify the major countries exporting and importing the associated products. Some of these sectors will be associated with production processes, highlighting which countries are the *source* of environmental impacts (shown in the left circle of Figure 2a). Other sectors are centered around consumption patterns and the countries purchasing final products with embodied *imported* spillovers (shown in the right circle of Figure 2a). In this section, we present detailed trade flows that illustrate how sectoral analysis can provide further information about spillover indicators in absolute terms. Such analyses yield important insights into how environmental sustainability initiatives can prioritize economic sectors and the countries involved

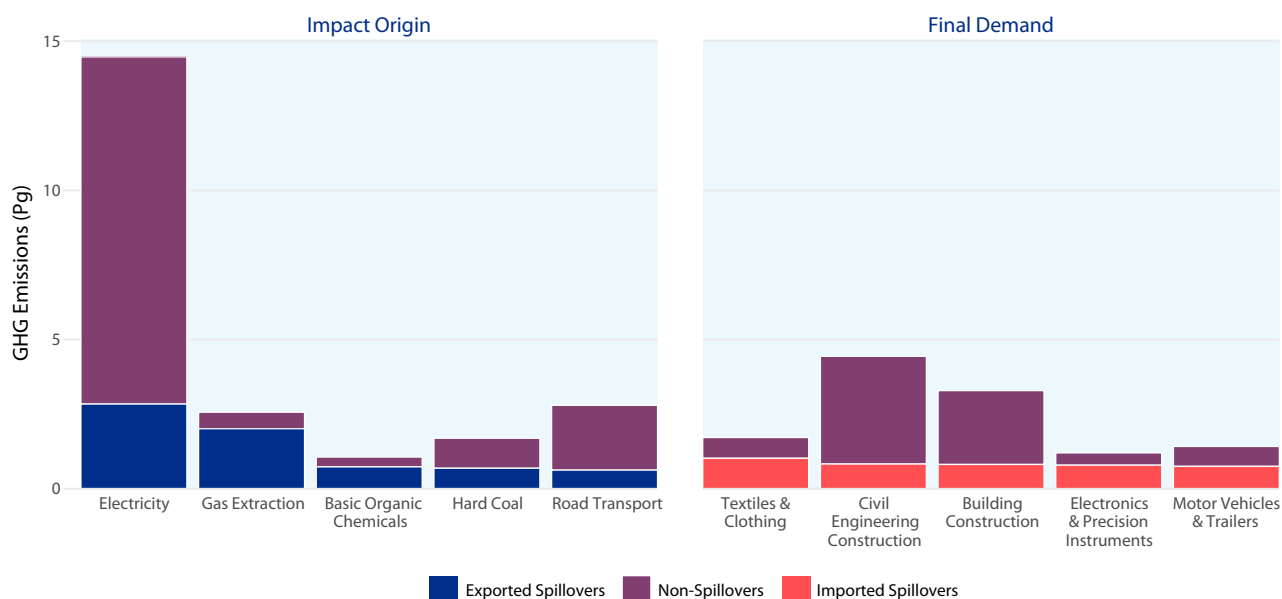
in importing and exporting spillovers embodied in trade. Mitigating these impacts requires interconnected, global policy solutions that recognize the roles played by both producers and ultimate consumers. Additional work by the Global Commons Stewardship Initiative links these results to the policy frameworks that can leverage this deeper context.

2.1. Sectoral drivers of global spillover impacts

Globally, MRIO analysis can attribute negative impacts to the Global Commons among different economic sectors. For spillovers, we identify the top sectors that drive the global flow of goods and services with embodied negative impacts, which we illustrate here for three indicators: GHG emissions, deforestation,

Figure 7.

Top economic sectors driving spillovers of embodied GHG Emissions due to (left) exported spillovers from impact origins and (right) final demand of imported spillovers



Part 2. Sectoral trade flows of spillover impacts

Figure 8.

Top economic sectors driving spillovers of embodied deforestation due to exports from impact origins and final demand due to imports

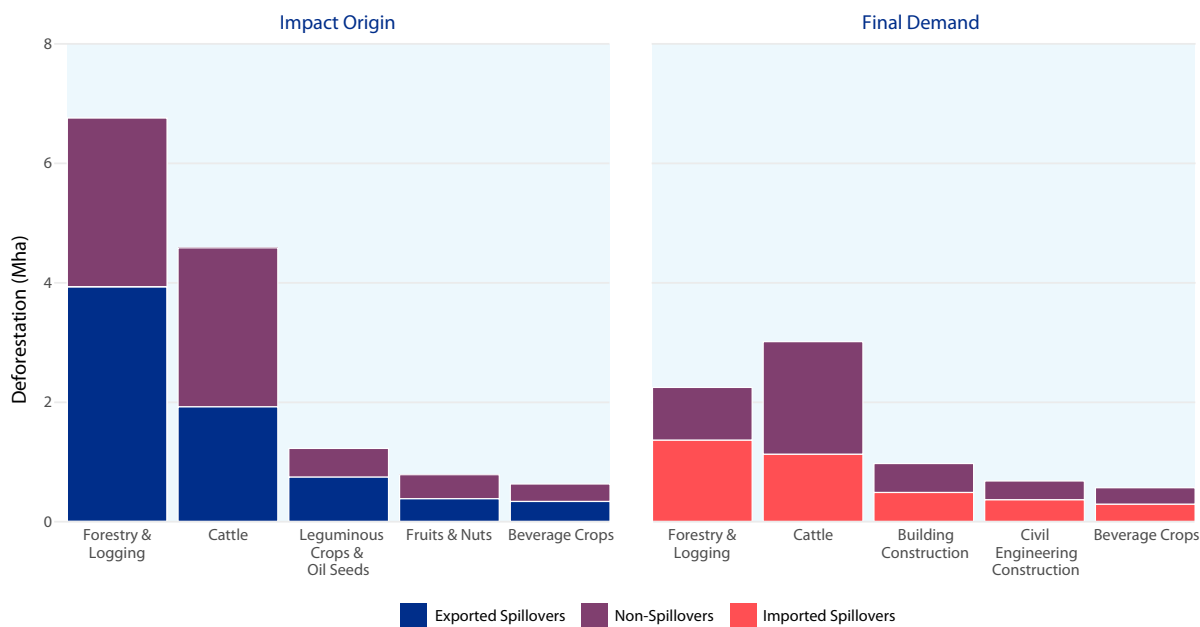
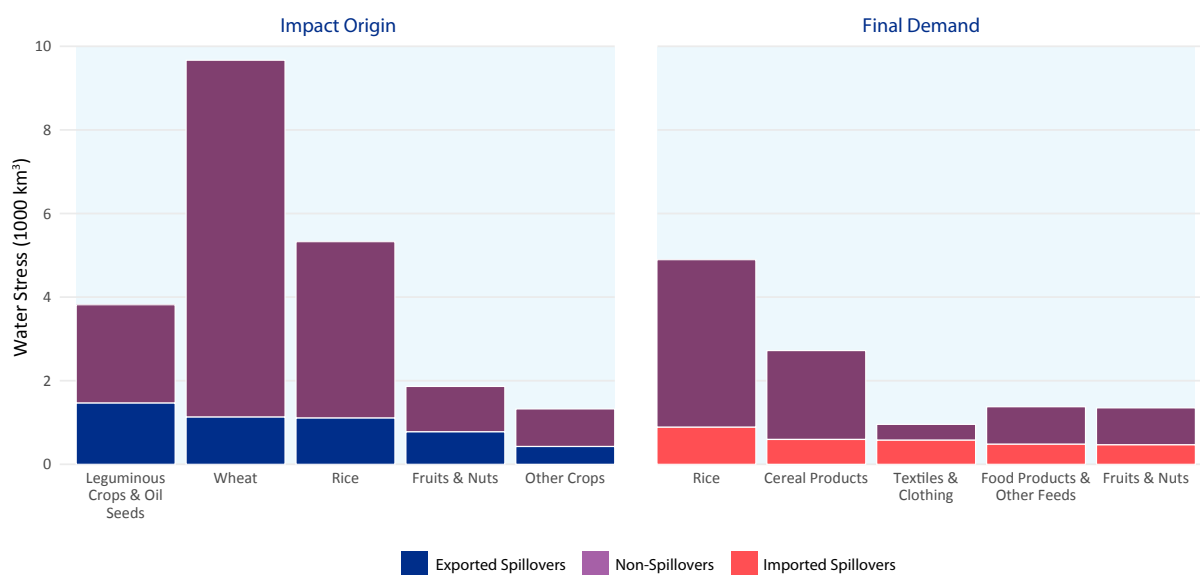


Figure 9.

Top economic sectors driving spillovers of embodied water stress due to exports from impact origins and final demand due to imports



2.2. Countries linked to sectoral drivers

and water stress. Taking the perspective of countries where impacts originate due to *domestic production*, negative impacts can be divided into those that are embodied in exports for final demand outside the country of origin, i.e., exported spillovers, and products that are consumed domestically. Negative impacts of the *final demand* for goods and services can be divided between those that are embodied in imports, i.e., imported spillovers, and those that were produced domestically. Figures 7–9 show the top five spillover sectors for each of our representative indicators from both the production and consumption perspectives.

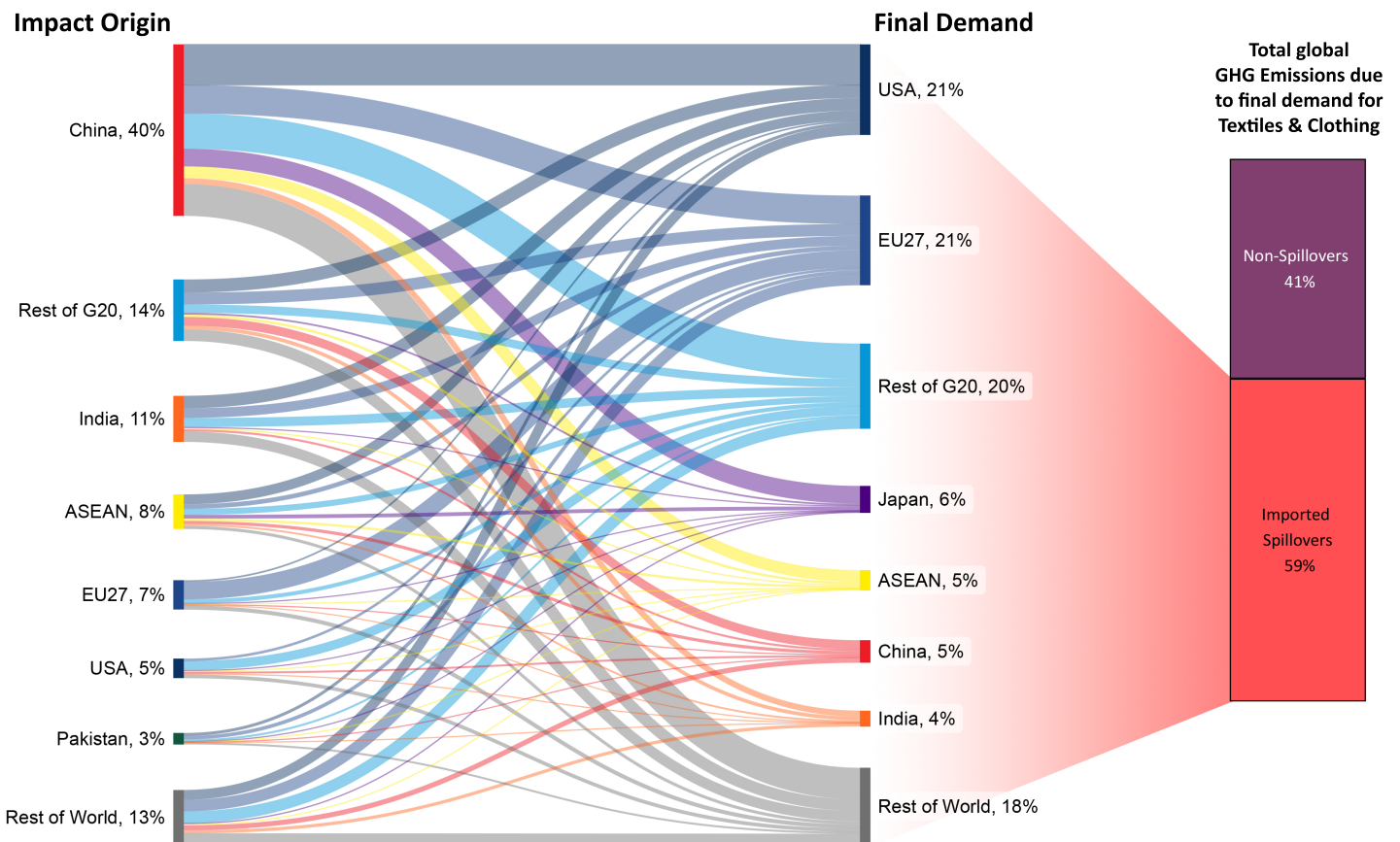
Figure 10.

GHG emissions embodied in final consumption of Textiles & Clothing

2.2. Countries linked to sectoral drivers

2.2.1. Greenhouse gas emissions

GHG emissions are embodied in every traded good. Efforts to mitigate GHG emissions, however, should prioritize the economic sectors driving the largest shares of these impacts. When considering consumption patterns, one of the most substantial sectors for spillovers of GHG emissions is Textiles & Clothing. Figure 10



The impacts occur in the countries on the left side of the diagram, and the products are ultimately consumed in the countries on the right side of the diagram. (Intermediate countries along supply chains are not shown.) Of total global GHG emissions due to demand for Textiles & Clothing, 59% are embodied in spillovers.

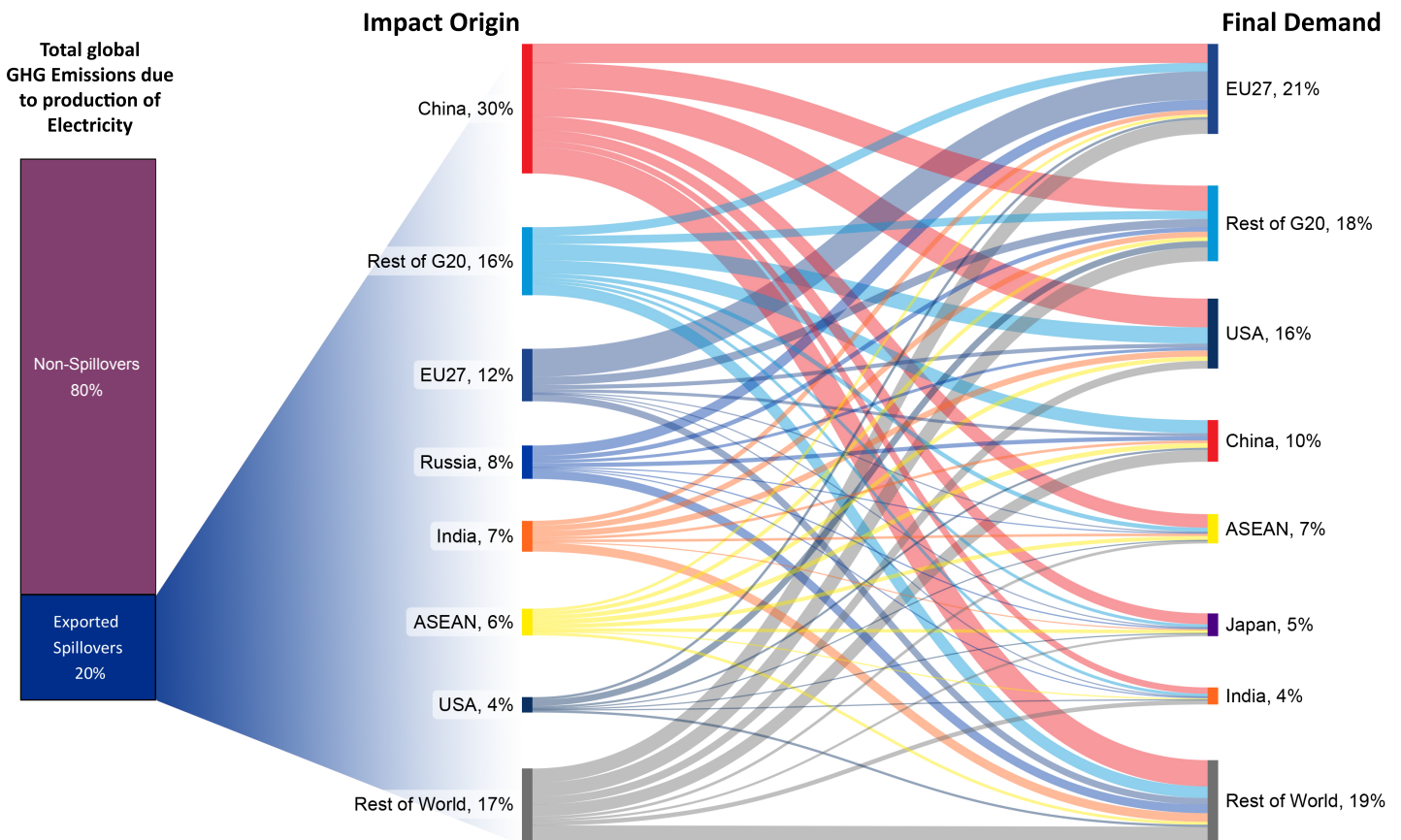
Part 2. Sectoral trade flows of spillover impacts

indicates that of the GHG emissions due to global final demand for Textiles & Clothing, 59% are emitted along the supply chain of countries different than where those final products are consumed, i.e., spillovers, while 41% are emitted in the same country where the final products are consumed, i.e., non-spillovers. The textiles and clothing sector is also associated with negative socio-economic spillovers, including accidents at work and child labor (Malik et al., 2021).

Figure 10 depicts the spillover GHG emissions due to countries on the right side of the diagram consuming

Textiles & Clothing. The GHGs originate from a variety of sectors along the Textiles & Clothing supply chains of countries on the left side of the diagram, including the textile sector itself, electricity production, chemical production, and more. Of the spillover GHG emissions due to final consumption of Textiles & Clothing, the two largest destinations are the EU27 and the USA, both with 21%. Among the countries whose supply chains help produce these goods for consumption abroad, China generates 40% of the spillover GHG emissions. While each country importing these goods drives emissions in many other countries, the flows

Figure 11.
GHG emissions due to Electricity production



The impacts occur in the countries on the left side of the diagram, and the products are ultimately consumed in the countries on the right side of the diagram. (Intermediate countries along supply chains are not shown.) Of total global GHG emissions due to Electricity production, 20% are embodied in spillovers.

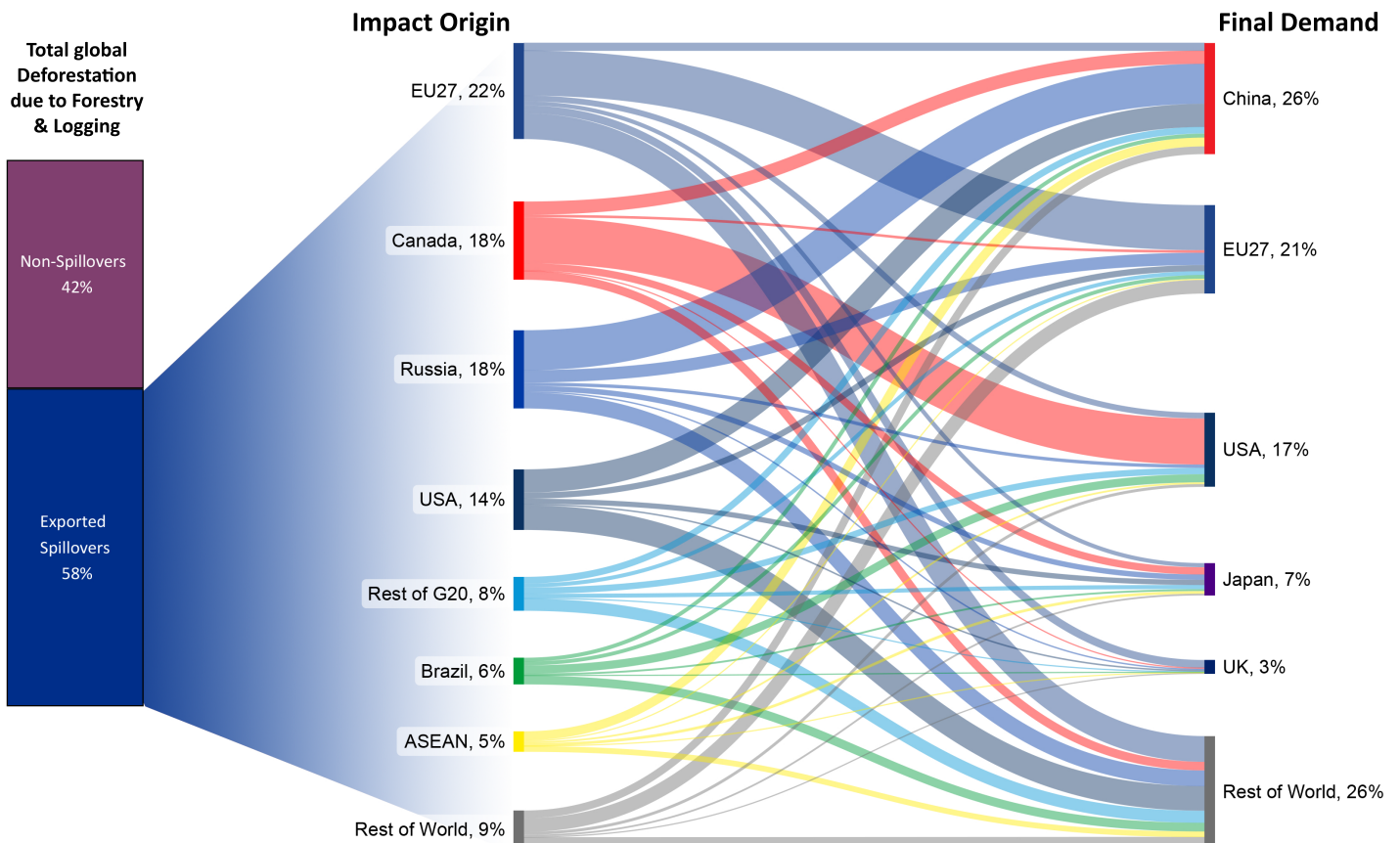
2.2. Countries linked to sectoral drivers

from China are the main driver for the EU27, the USA, Japan, and the Rest of the G20.

From an alternative perspective, spillover GHG emissions can also be analyzed from the sectors and countries where these impacts originate. In Figure 11, we see that 80% of total GHG emissions due to global Electricity production are embodied in goods and services produced and consumed domestically, with the remaining 20% embodied in goods exported for final consumption abroad.

According to the MRIO analysis depicted in Figure 11, the countries generating the largest amount of spillover GHG emissions from Electricity production include China (30%), the Rest of the G20 (16%), and the EU27 (12%). Major consumers of final products in which these spillover emissions are embodied include the EU27 (21%), the Rest of the G20 (18%), and the USA (16%). Again, for each country, the main trade flows identify the significant linkages in global supply chains resulting in spillover effects. For the EU27, the bulk of spillover GHG emissions from Electricity production

Figure 12.
Deforestation due to Forestry & Logging



The impacts occur in the countries on the left side of the diagram, and the products are ultimately consumed in the countries on the right side of the diagram. (Intermediate countries along supply chains are not shown.) Of total global deforestation due to Forestry & Logging, 58% is embodied in spillovers.

Part 2. Sectoral trade flows of spillover impacts

are intra-EU, suggesting the relevant policy levers to reduce these impacts lie within this regional institution.

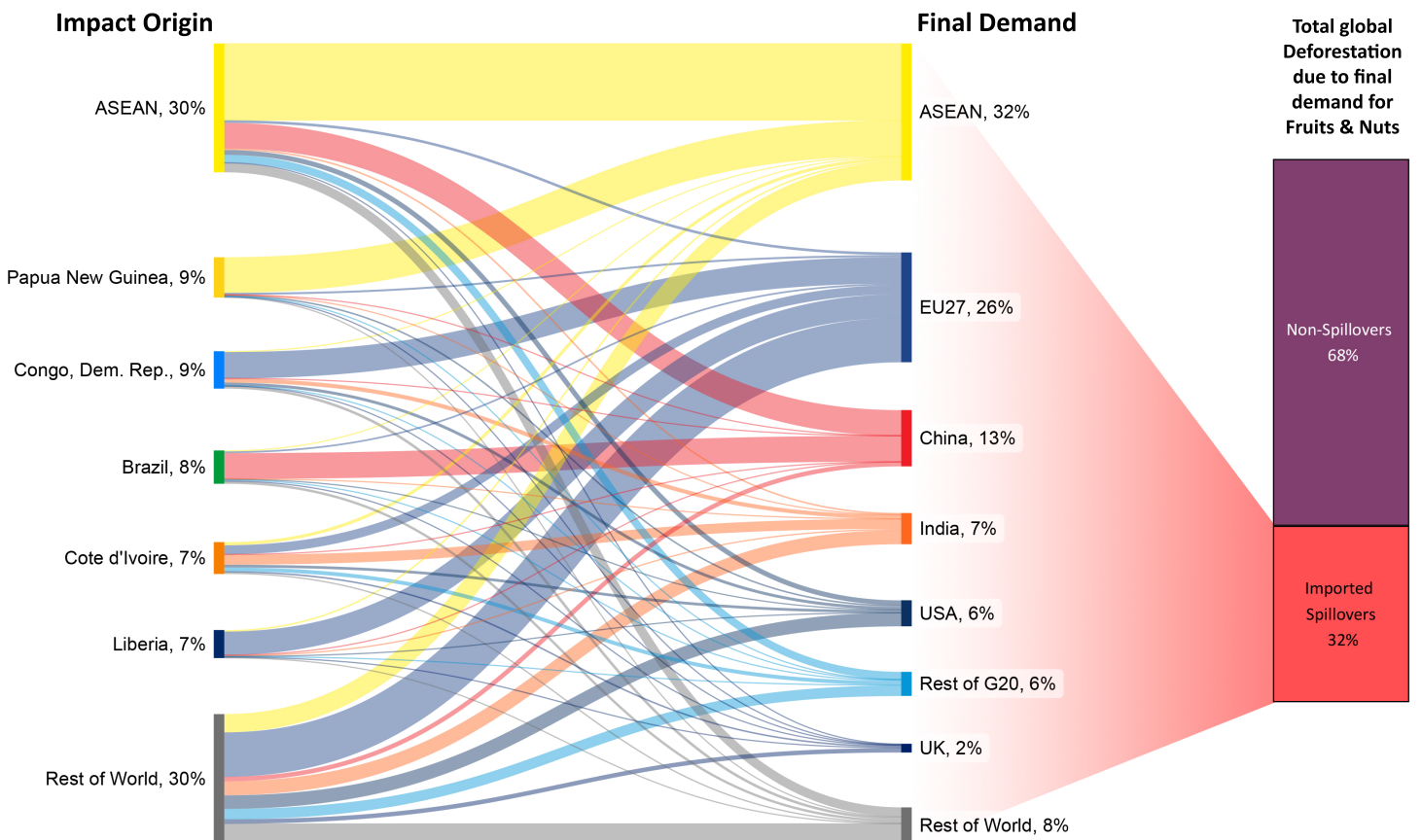
2.2.2. Deforestation

Deforestation around the world is driven by several sectors, two of which we highlight here: Forestry & Logging and Fruit & Nut consumption. Figure 12 shows that the main sources of the Forestry & Logging spillovers are the EU27 (22%), Russia (18%), Canada (18%), and the USA (14%), while the main consumers of goods with embodied foreign deforestation due to Forestry &

Logging are China (26%), the EU27 (21%), and the USA (17%). Here, the final consumption of embodied deforestation due to Forestry & Logging for the United States identifies Canada as the largest trade flow of these spillovers, with a much less substantial role for Brazil. More granular analyses can often change the focus of bilateral trade policy as decisionmakers consider the most appropriate steps for mitigating threats to the Global Commons.

In Figure 13, we find ASEAN (Association of Southeast Asian Nations) countries generating 30% of spillover deforestation due to final demand for Fruits &

Figure 13.
Deforestation due to Fruits & Nuts



The impacts occur in the countries on the left side of the diagram, and the products are ultimately consumed in the countries on the right side of the diagram. (Intermediate countries along supply chains are not shown.) Of total global deforestation due to demand for Fruit & Nuts, 32% is embodied in spillovers.

2.2. Countries linked to sectoral drivers

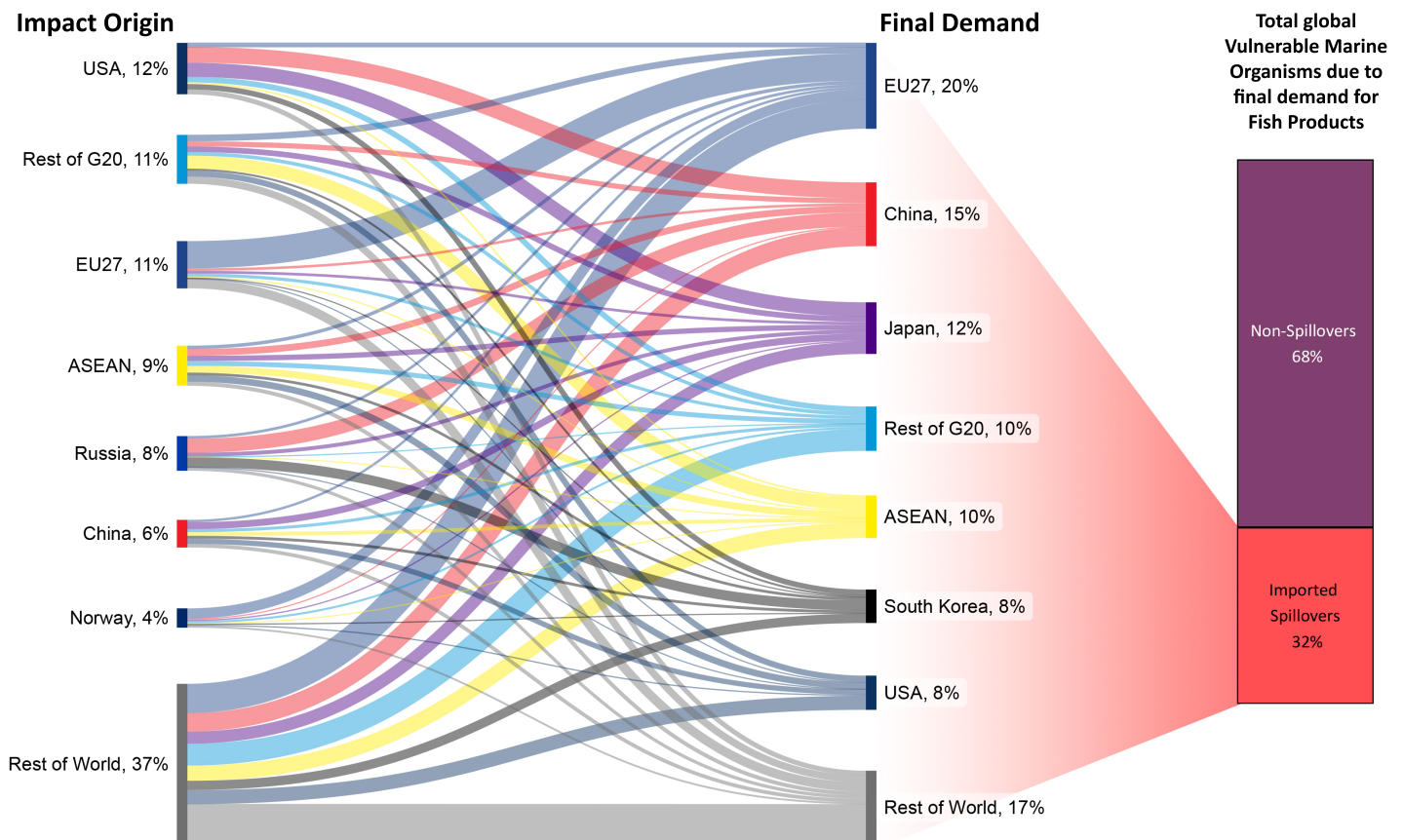
Nuts, followed by Papua New Guinea (9%) and the Democratic Republic of the Congo (9%), with the largest importers of spillovers embodied in final products including the ASEAN countries (32%), the EU27 (26%), and China (13%). The trade flows highlight the significance of intra-ASEAN trade; the EU27's imports from the Democratic Republic of the Congo, Liberia, and elsewhere; and China's imports from ASEAN countries and Brazil. Addressing deforestation spillovers due to final demand for Fruits & Nuts will require targeted policies that bring together major trading blocs and key countries from among both producers and consumers.

2.2.3. Vulnerable marine animals

Vulnerable marine animals represent a classic common pool resource with a global scope. Marine ecosystems around the world are under extreme pressure, driven in large part by over-harvesting from fish stocks. In Figure 14, we show that 32% of vulnerable marine taxa embodied in final consumption are imported from abroad, in contrast to the 68% that are consumed domestically by the fishing entities that harvest these animals. The countries catching these vulnerable marine animals embodied in traded goods are diverse, including the USA (12%), the Rest of the G20 (11%), and

Figure 14.

Final consumption of marine organisms caught from vulnerable taxa



The impacts are due to fishing vessels from countries on the left side of the diagram, and the products are ultimately consumed in the countries on the right side of the diagram. (Intermediate countries along supply chains are not shown.) Of the total global catch of vulnerable taxa due to demand for Fishing & Fish Products, 32% is embodied in spillovers.

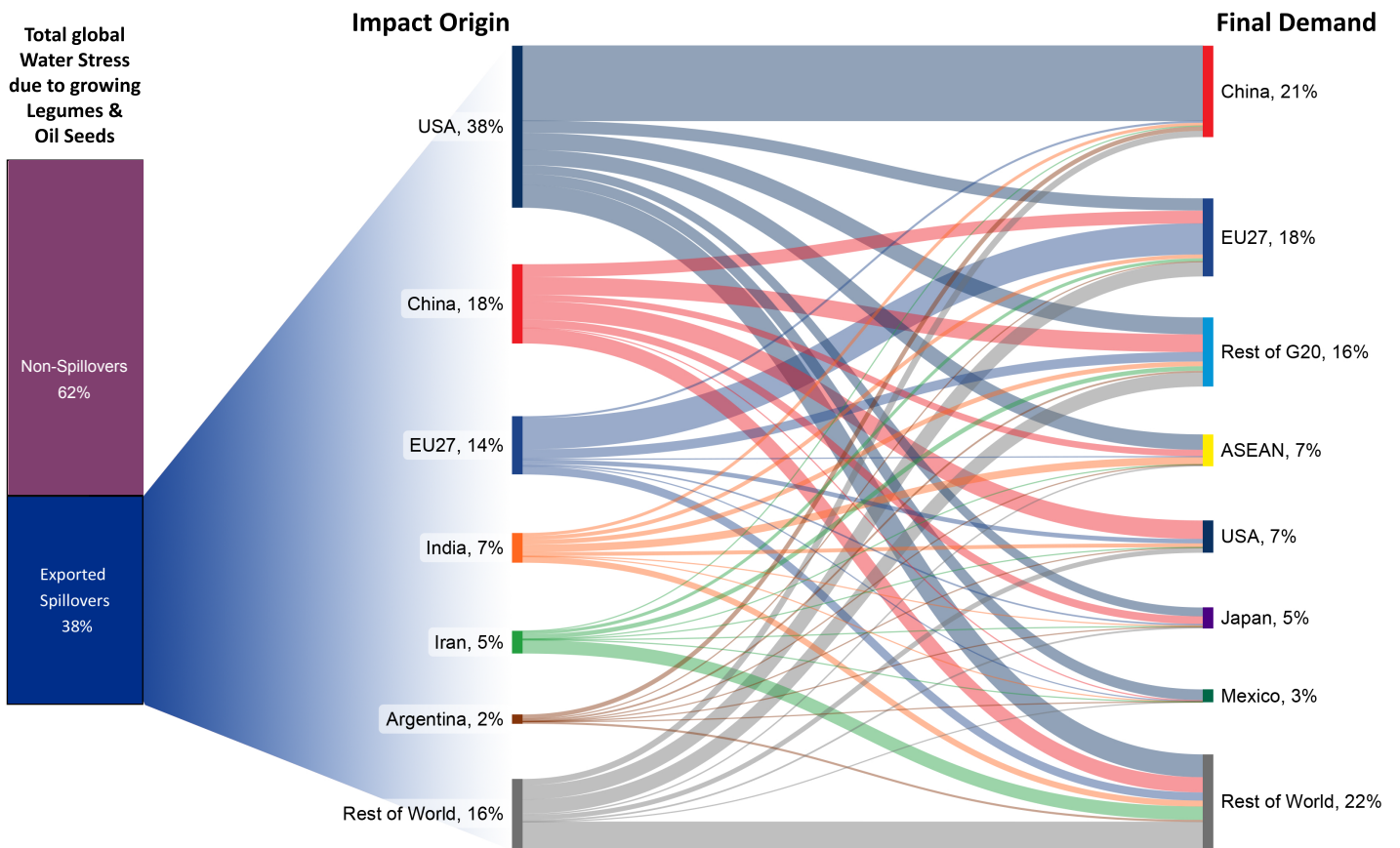
Part 2. Sectoral trade flows of spillover impacts

the EU27 (11%). Countries importing these spillover impacts for final consumption include the EU27 (20%), China (15%), Japan (12%), and the Rest of the G20 (10%). This sectoral analysis confounds any expectations that simple policies can remedy this threat to marine biodiversity. Trade flows are largely diffuse among both consumers and producers, and each country's fishing fleet may travel between several economic exclusion zones – including those of other countries. Figure 14 reveals that any policy levers to address these spillovers will require careful multilateral negotiations.

2.2.4. Water stress

Among the sectors in MRIO tables, disruptions to the Water cycle are heavily centered on agriculture. For the spillover indicator on water stress, our analysis finds substantial impacts from the production of Leguminous Crops & Oil Seeds. As shown in Figure 15, 38% of the water stress embodied in these products is exported abroad for final consumption. The countries most responsible for these spillover impacts during the production of these crops include the USA (38%),

Figure 15.
Water stress due to production of Leguminous Crops & Oil Seeds



The impacts occur in the countries on the left side of the diagram, and the products are ultimately consumed in the countries on the right side of the diagram. (Intermediate countries along supply chains are not shown.) Of total global water stress due to Leguminous Crops & Oil Seeds, 38% is embodied in spillovers.

2.2. Countries linked to sectoral drivers

China (18%), and the EU27 (14%). The countries importing these crops for final consumption largely overlap, including China (21%), the EU27 (18%), and the Rest of the G20 (16%). While small countries, especially island states, import many goods and services that are associated with embodied disruptions to the Water cycle throughout the supply chain, Figure 15 shows that addressing the trade flows of embodied water stress in absolute terms requires transformative measures by large countries, with the largest transfer of spillovers between the USA and China.

Part 3.

**DETAILED
COUNTRY
FEATURES**



Part 3.

Detailed Country Features

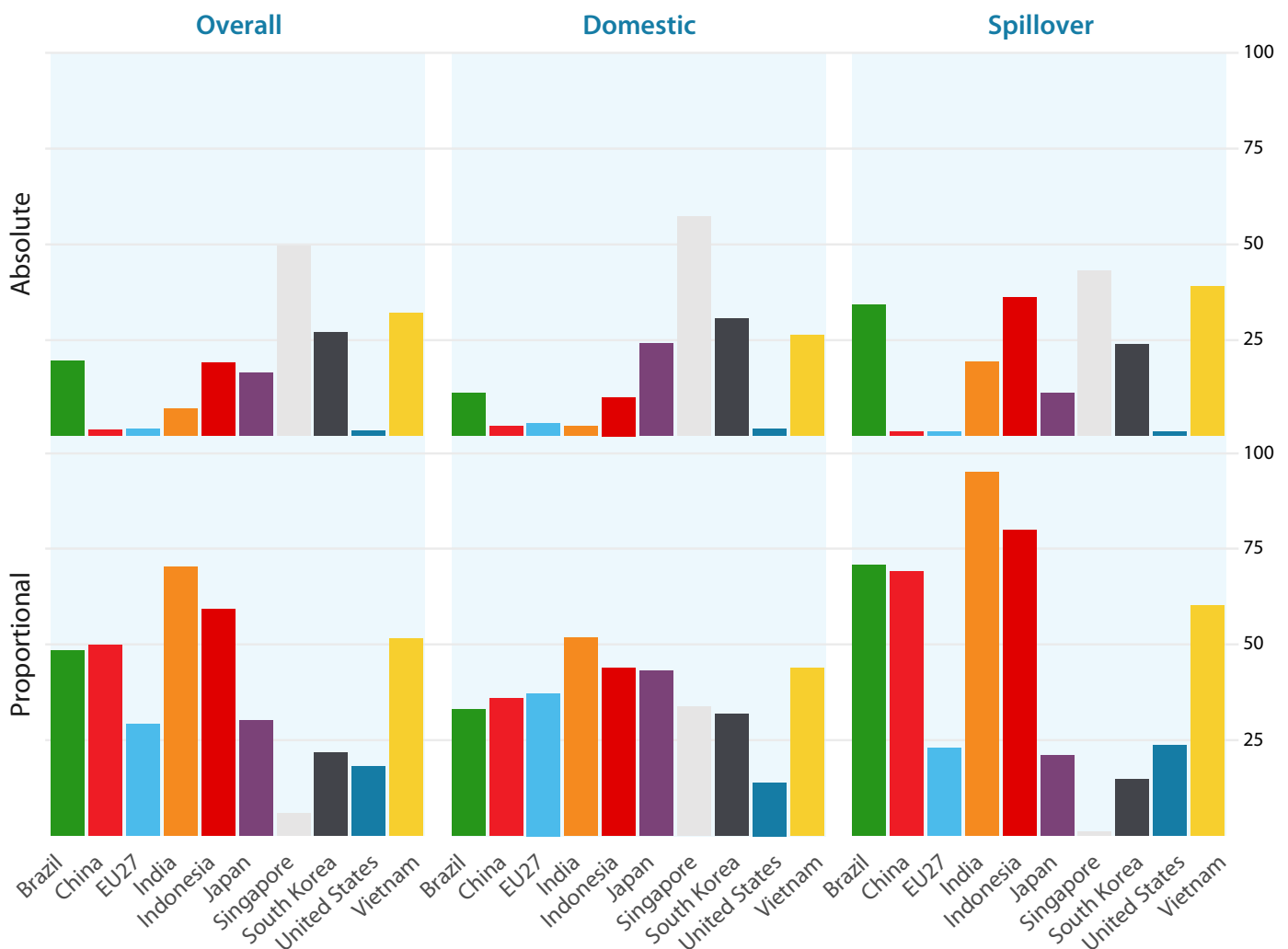
This section provides more detailed information on trade flows and industry/commodities involved in spillover impacts for major G20 economies (Brazil, China, the European Union, India, Indonesia, Japan, South Korea, and the United States) as well as two additional ASEAN countries (Singapore and Vietnam). Figure 16 summarizes the performance of these 10 countries and entities on the 2022 GCS Index.

Multi-Regional Input-Output (MRIO) tables, which track flows between countries along supply chains, allow for

the calculation of the values of spillover indicators and the identification of specific trade relationships. For the detailed features in this section, we use MRIO tables to analyze four indicators in the 2022 GCS Index: GHG emissions, deforestation, vulnerable fish catch, and water stress. Data on embodied impacts provide critical guidance on how to adopt ambitious policies, targets, and roadmaps and on how to engage stakeholders from the private sector, non-governmental organizations, and governments at the international, national, and sub-national levels.

Figure 16.

Overall, Domestic, and Spillover scores, in proportional and absolute terms, for select countries



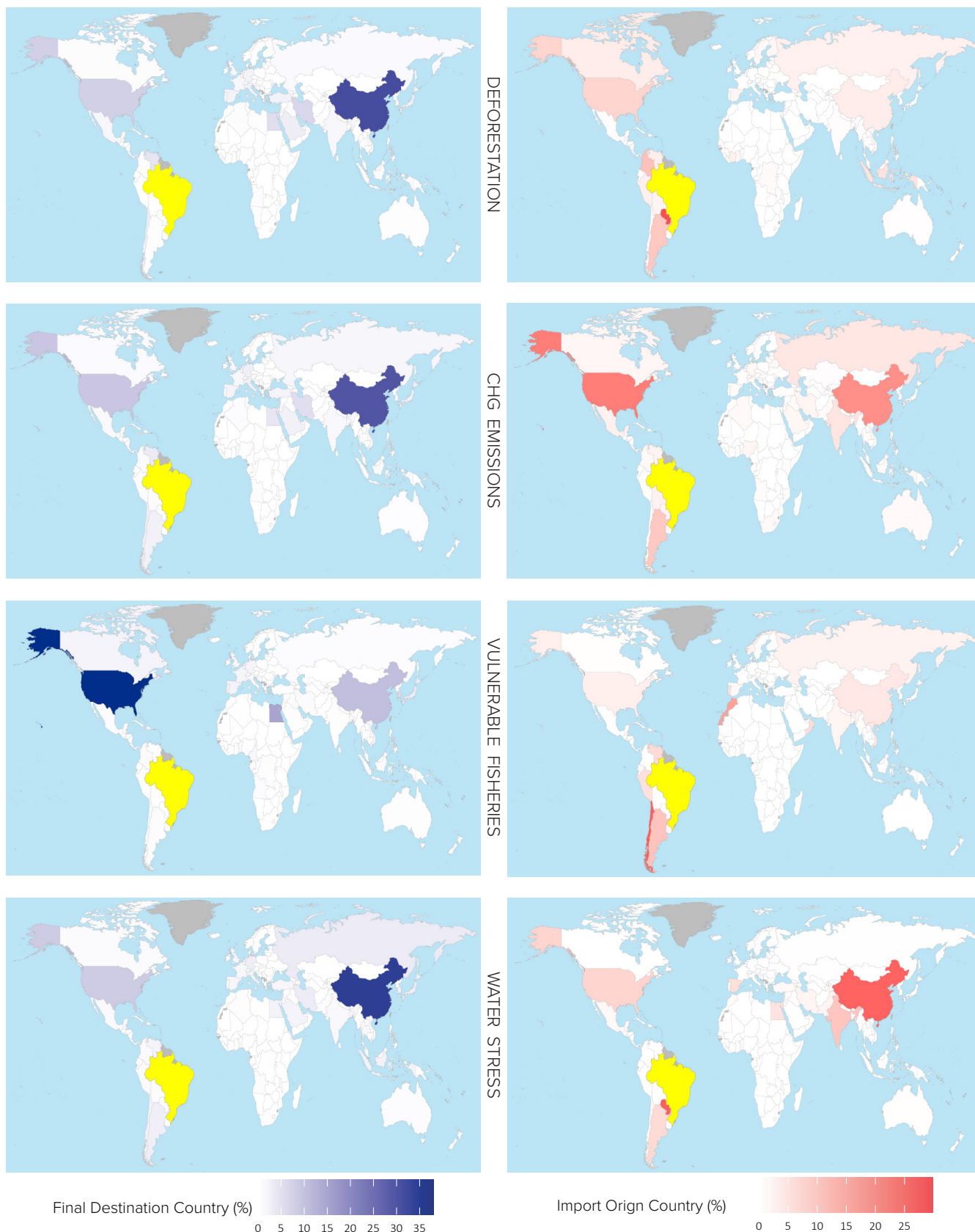
3.1. Major trade relationships driving spillovers

Figures 17–26 map out the major impact origins sources (left side) and final demand destinations (right side) for each country among the four representative indicators, with darker shading for higher proportions of the total impacts emb demand are final consumption by households and governments and

investment in capital assets like structures and equipment. Note that not all of these relationships are bilateral; rather, goods may flow to one or more other countries for intermediate processing steps along the global supply chain between the country of origin and the ultimate country of final demand.

Figure 17.

Percentage of **Brazil's** spillover impacts (left) by country of impact origin and (right) by country of final demand



3.1. Major trade relationships driving spillovers

Figure 18.

Percentage of China's spillover impacts (left) by country of impact origin and (right) by country of final demand

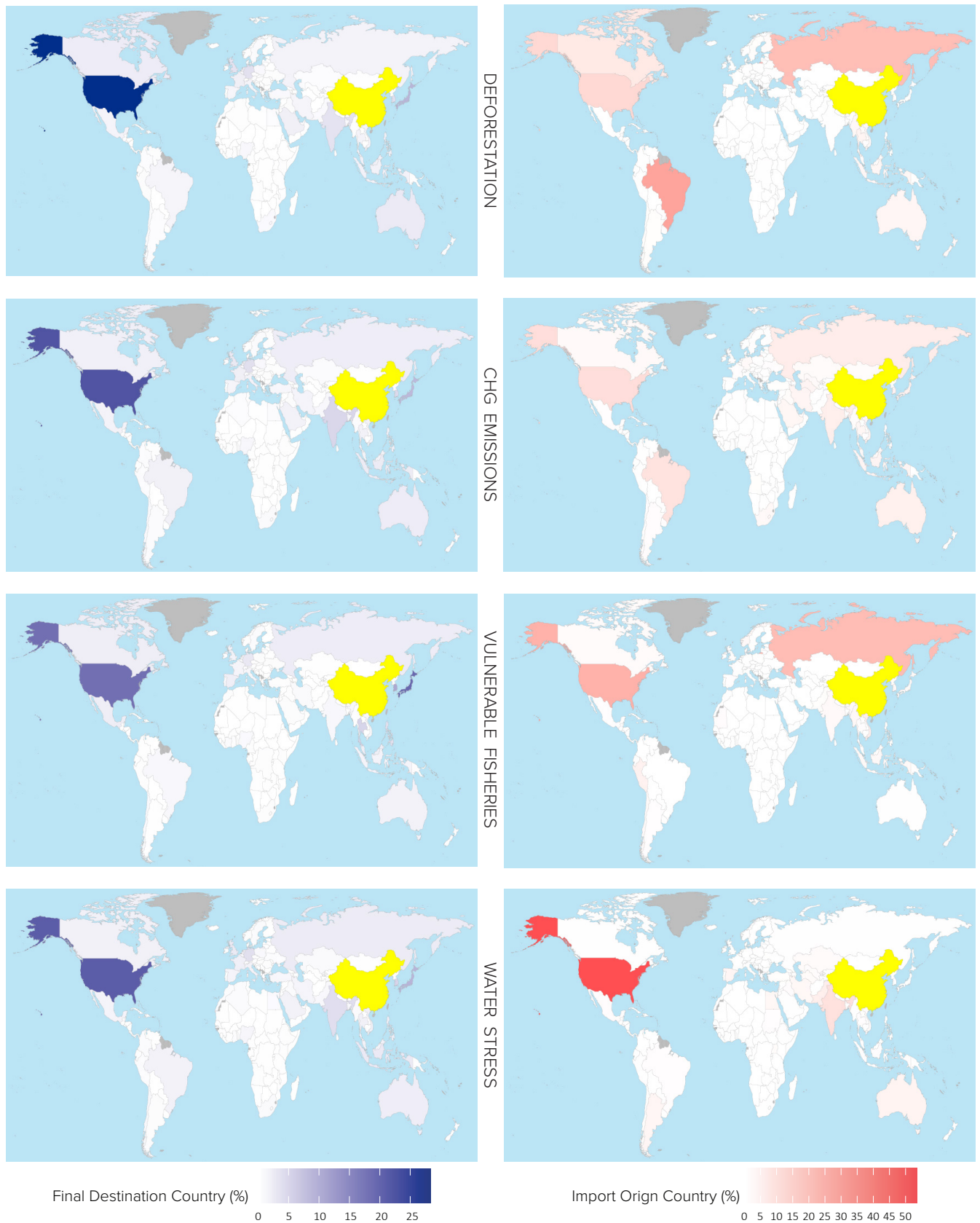
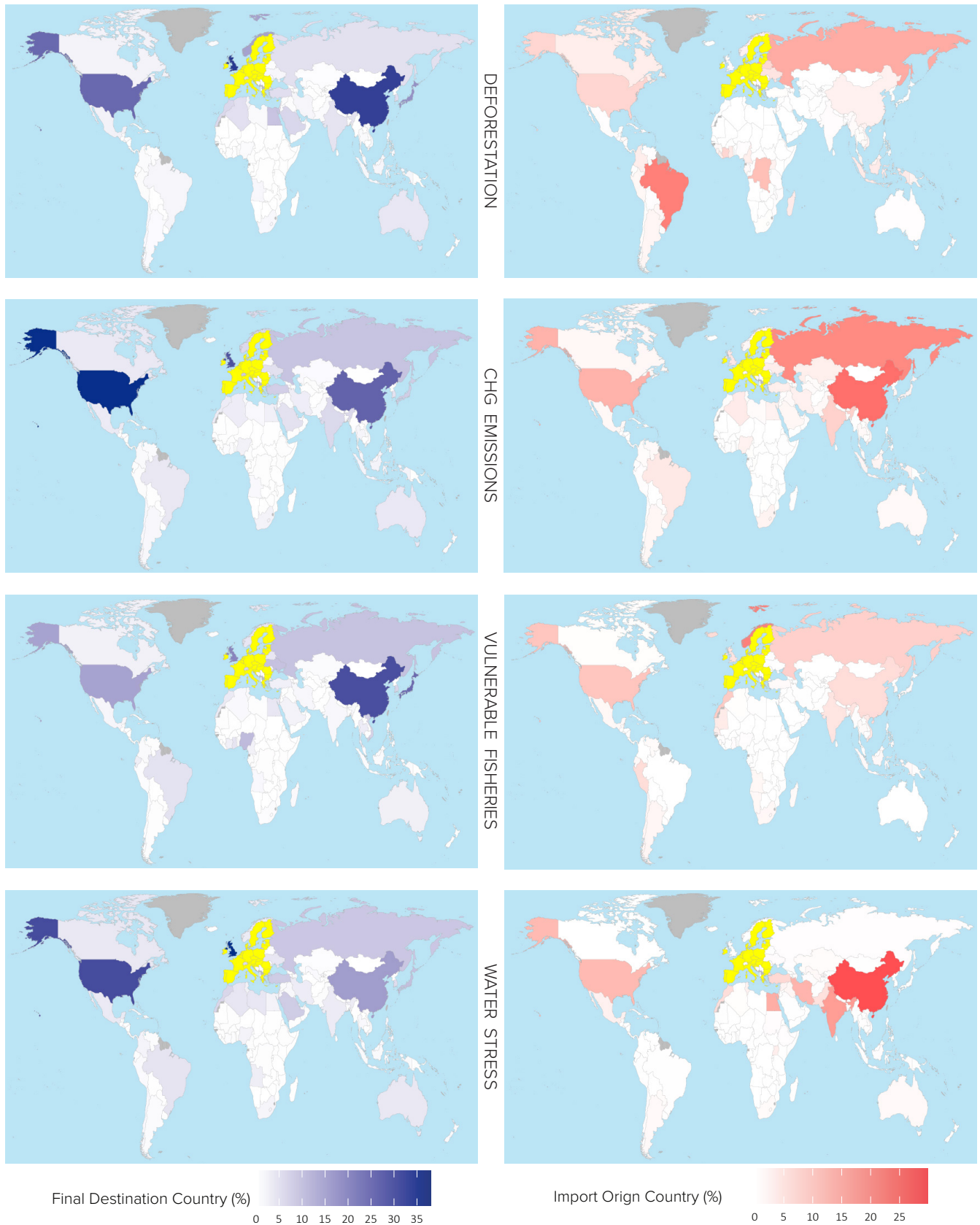


Figure 19.

Percentage of the EU's spillover impacts (left) by country of impact origin and (right) by country of final demand



3.1. Major trade relationships driving spillovers

Figure 20.

Percentage of India's spillover impacts (left) by country of impact origin and (right) by country of final demand

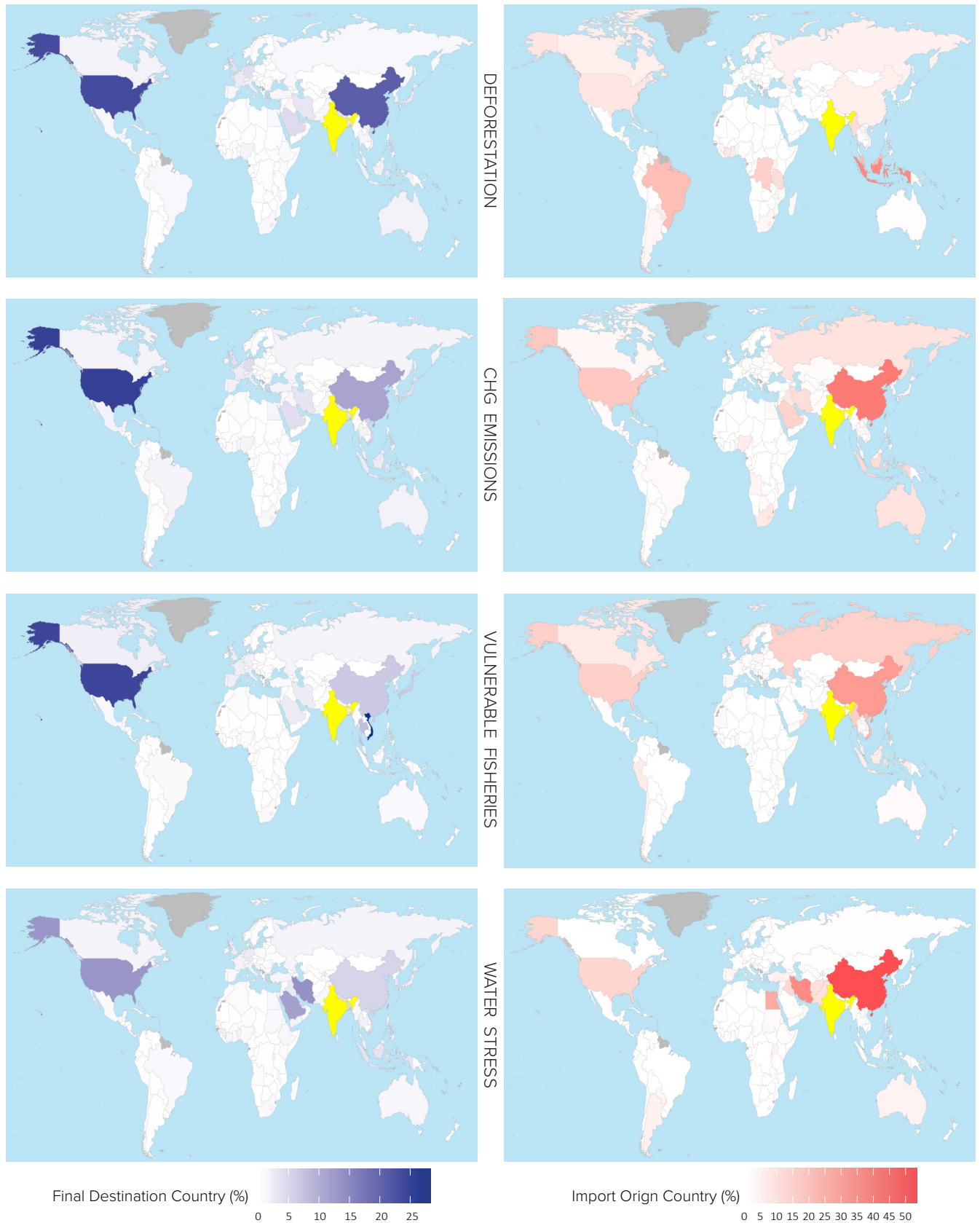
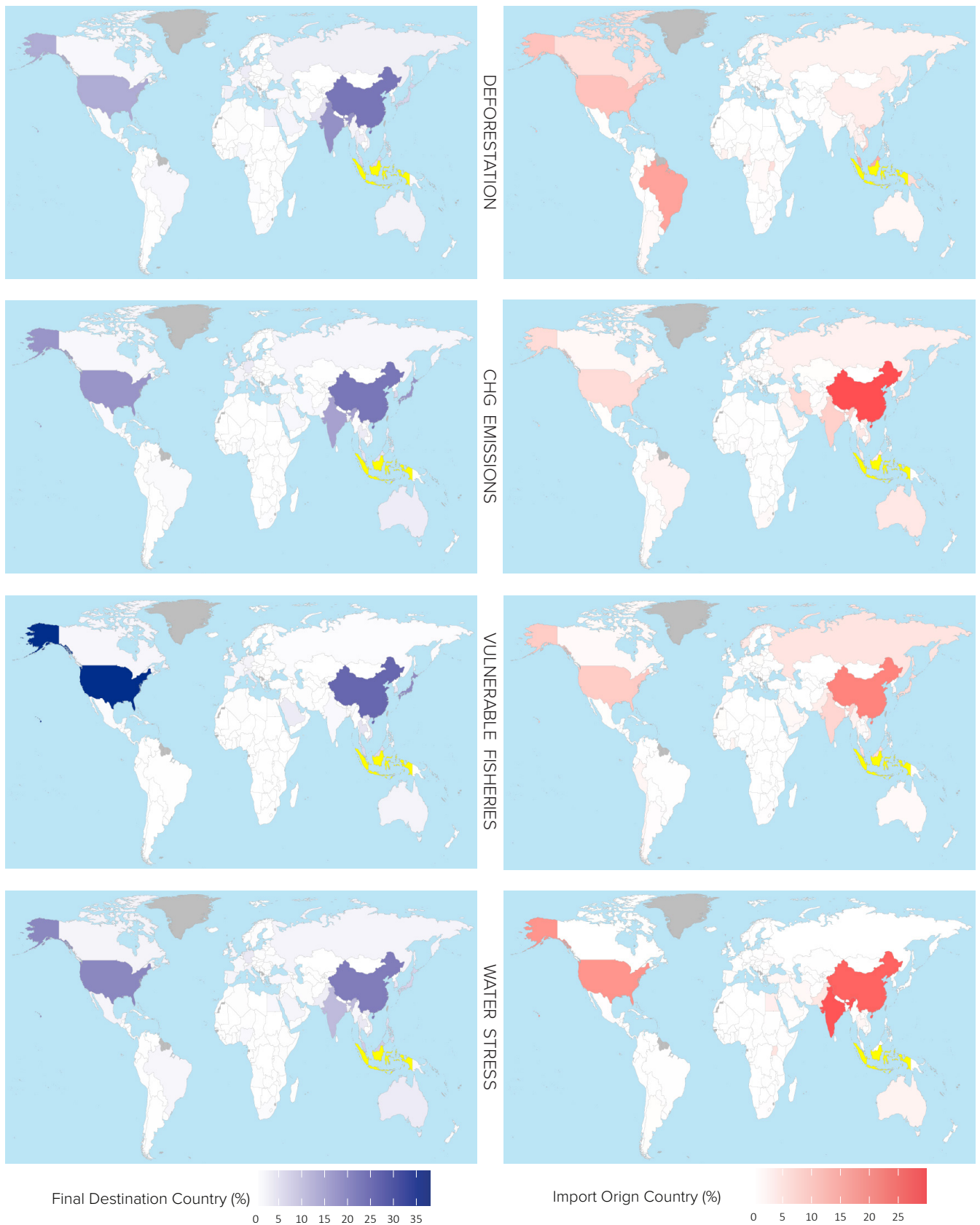


Figure 21.

Percentage of Indonesia's spillover impacts (left) by country of impact origin and (right) by country of final demand



3.1. Major trade relationships driving spillovers

Figure 22.

Percentage of Japan's spillover impacts (left) by country of impact origin and (right) by country of final demand

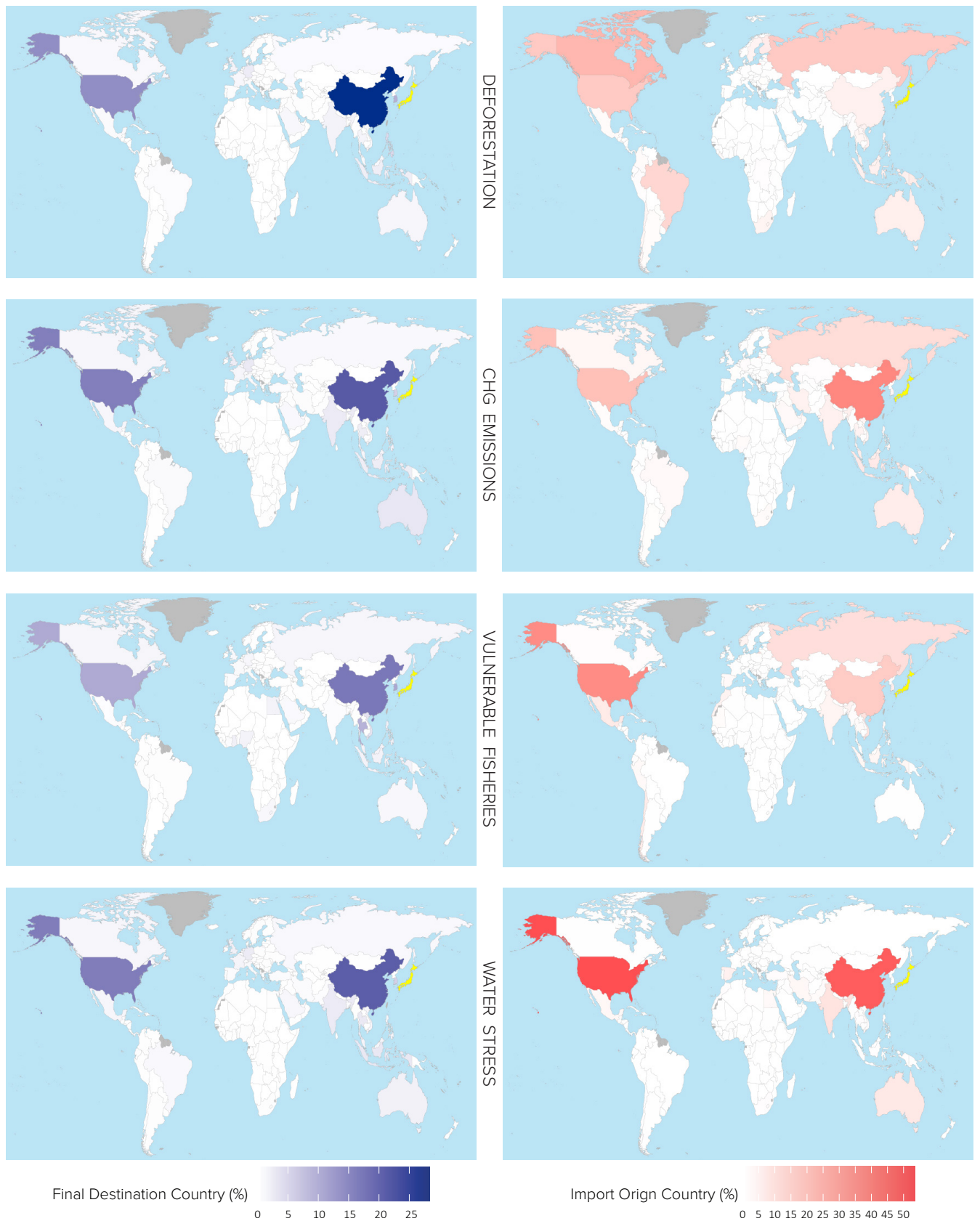
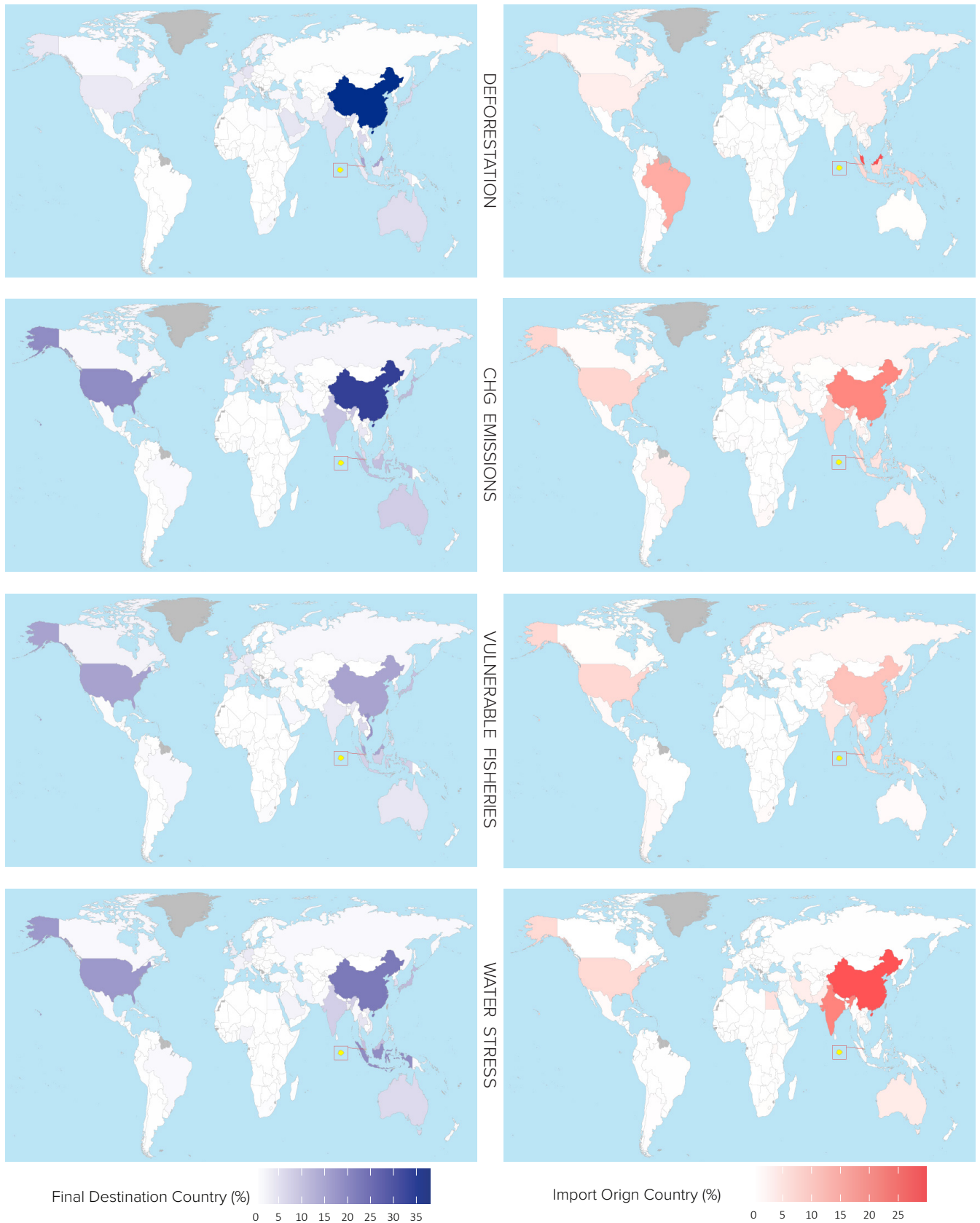


Figure 23.

Percentage of Singapore's spillover impacts (left) by country of impact origin and (right) by country of final demand



3.1. Major trade relationships driving spillovers

Figure 24.

Percentage of South Korea's spillover impacts (left) by country of impact origin and (right) by country of final demand

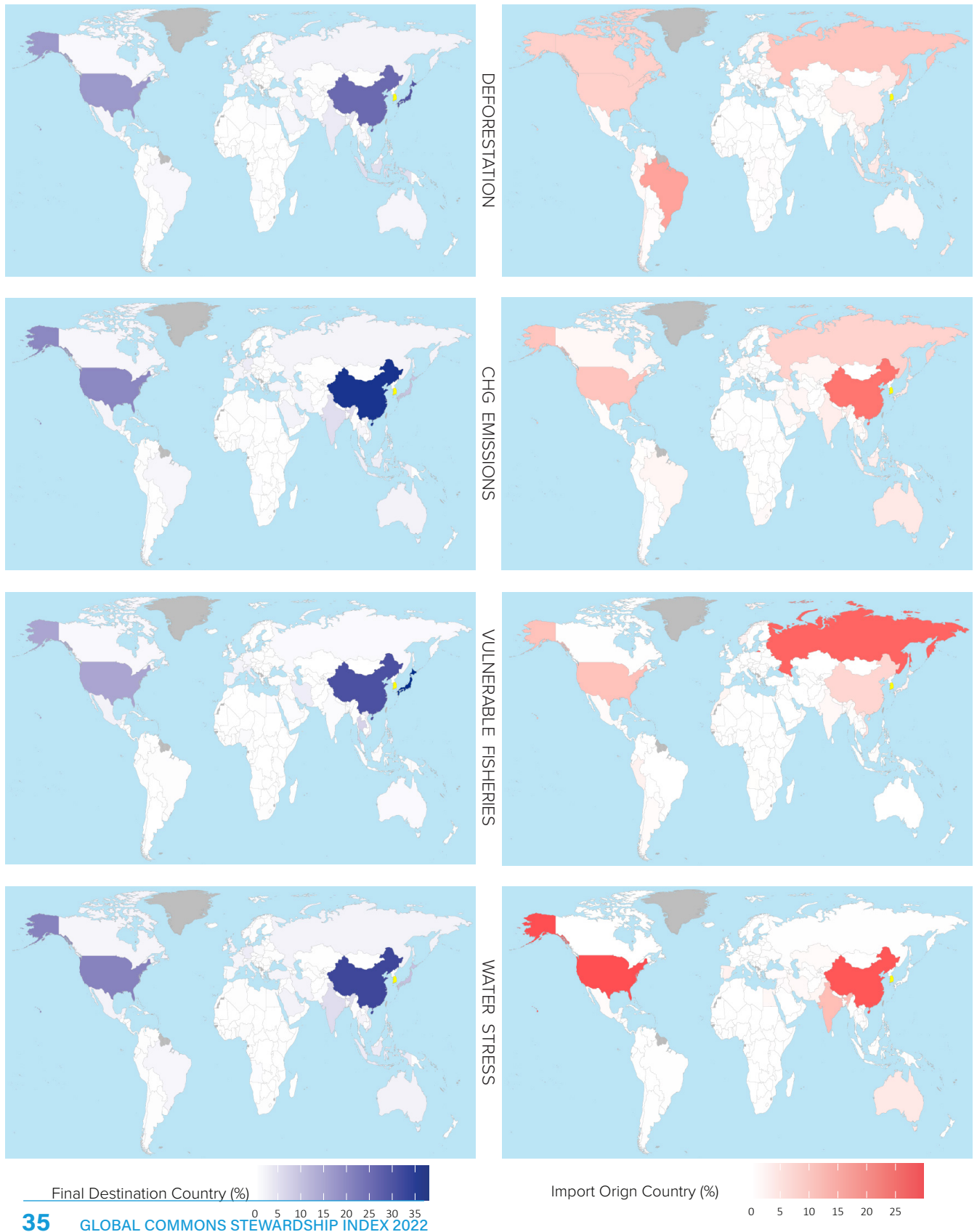
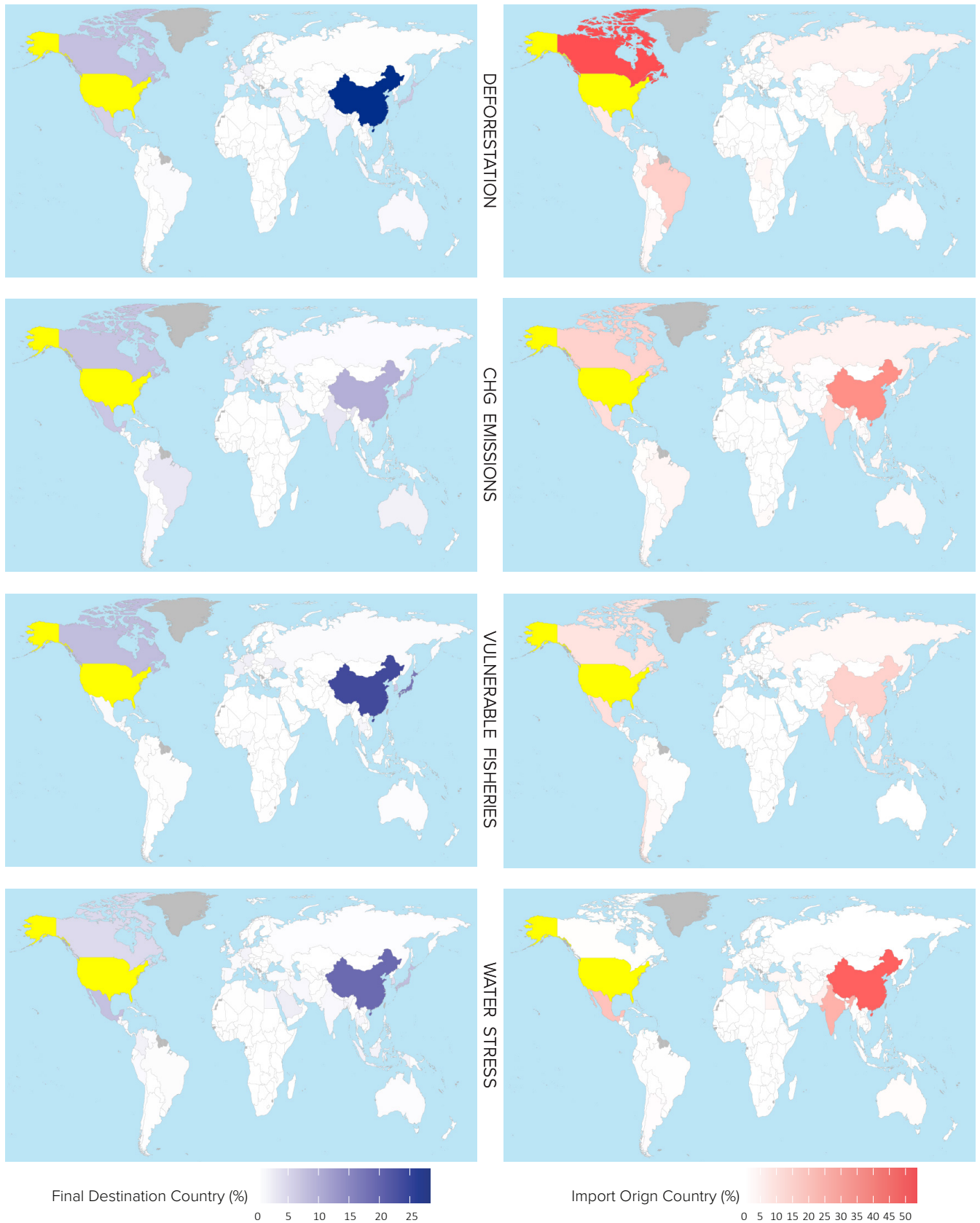


Figure 25.

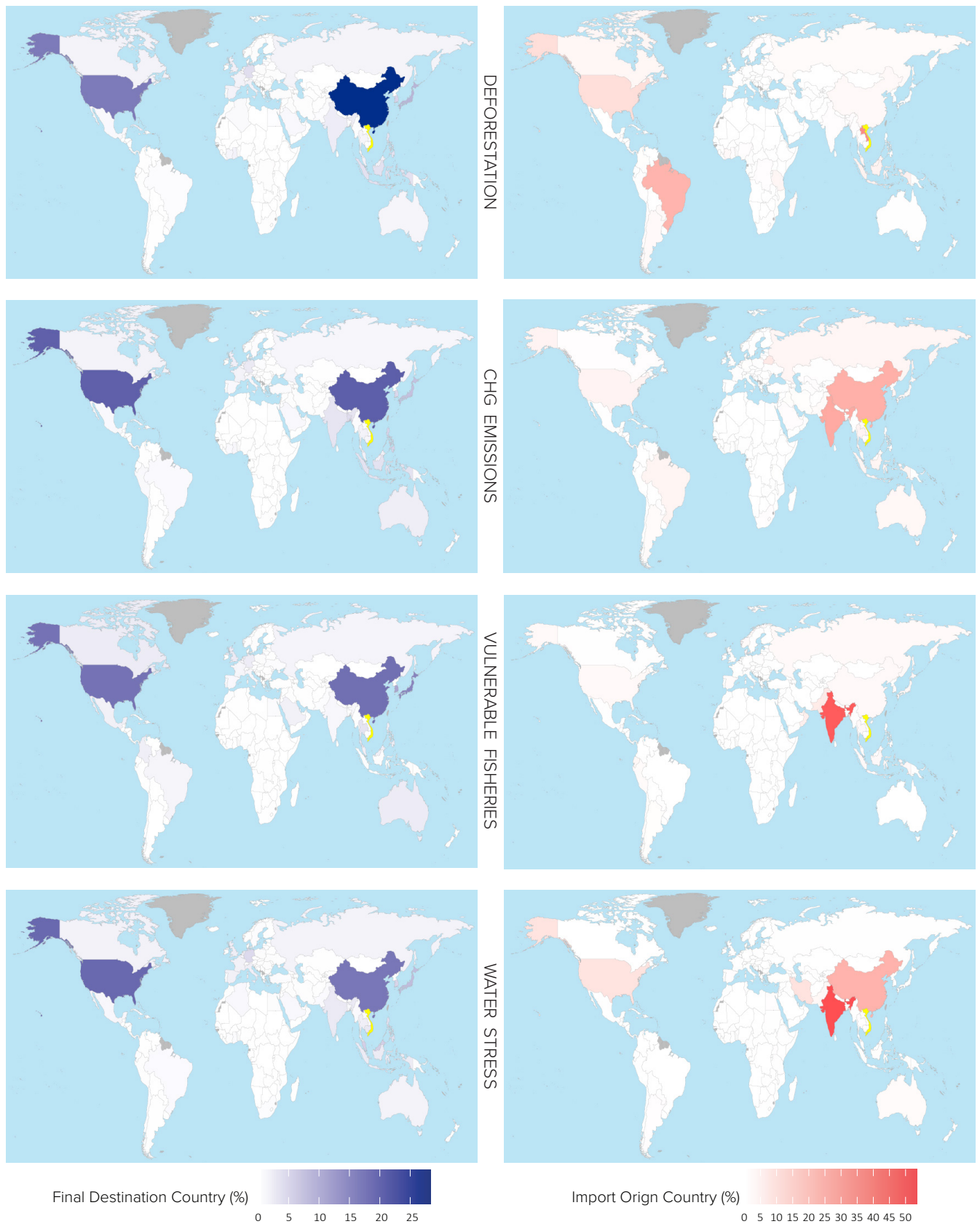
Percentage of the USA's spillover impacts (left) by country of impact origin and (right) by country of final demand



3.1. Major trade relationships driving spillovers

Figure 26.

Percentage of Vietnam's spillover impacts (left) by country of impact origin and (right) by country of final demand



3.2. Sectors driving spillover impacts

After identifying countries along the supply chains that generate the greatest shares of spillover environmental impacts for the 10 featured countries and entities, it is also important to understand which economic sectors are responsible. Our data can identify top sectors from two perspectives, illustrated in Figure 2: first, those that directly generate spillover impacts, and those final products that have embodied spillover impacts. Tables 3 and 4 illustrate these sectoral drivers for three representative indicators in the EU. Additional tables for other countries can be found in Appendix B. This level of granular analysis can help inform governance reforms of specific supply chains and can also support industrial and corporate initiatives and reporting.

3.2.1. Spillover impacts from source industries in foreign countries

In the EU, Table 3 shows that some industries stand out as the main sources of spillover impacts within the indicators featured here. For GHG emissions, Electricity and Gas Extraction are the leading two industries. Forestry and Logging is the main driver of deforestation, but the EU should also pay close attention to other drivers when examining supply chains, especially in the food sector, including land clearing for Cattle and other food commodities. Likewise, the predominance of Leguminous Crops and Oil Seeds behind imported water stress should not overshadow the diversity of agricultural products that must be addressed through their corresponding economic sectors.

Table 3.

Spillover impacts from the EU’s final demand by top source industries in foreign countries (%)

<u>GHG Emissions</u>	<u>Deforestation</u>	<u>Water Stress</u>
Electricity (20%)	Forestry & Logging (39%)	Leguminous Crops & Oil Seeds (19%)
Gas Extraction (17%)	Cattle (16%)	Wheat (12%)
Basic Organic Chemicals (5%)	Beverage Crops (15%)	Fruits & Nuts (12%)
Road Transport (5%)	Fruits & Nuts (8%)	Other Crops (7%)
Hard Coal (5%)	Leguminous Crops & Oil Seeds (7%)	Rice (5%)
Textiles & Clothing (4%)	Other Animals & Services to Ag. (5%)	Basic Iron & Steel (3%)
Basic Inorganic Chemicals (3%)	Sheep (4%)	Spice & Drug Crops (3%)
Other Animals & Services to Ag. (3%)	Maize (2%)	Sugar Beet & Cane (3%)
Waste Services (3%)	Rice (1%)	Grapes (3%)
Electronics & Precision Instruments (2%)	Vegetable Products (1%)	Basic Organic Chemicals (3%)

3.2. Sectors driving spillover impacts

3.2.2. Spillover impacts from final products

Table 4 shows the final products with embodied impacts driving imported impacts on the Global Commons for the EU. Within GHG emissions, no single product dominates, with spillovers spread across diverse economic sectors. Deforestation is embodied in Forestry and Logging, various agricultural sectors, Manufacturing, and Hospitality. A similar pattern emerges with imported Water Stress, with major impacts from Textiles and Clothing, chiefly due to the manufacturing of these products in China, and agricultural products. Such results invite further attention to the sourcing of the final products and an examination of which processing technologies, inputs, and energy sources are used in the manufacturing countries.

Table 4.

Spillover impacts from the EU's final demand by top final products purchased (%)

<u>GHG Emissions</u>	<u>Deforestation</u>	<u>Water Stress</u>
Textiles & Clothing (8%)	Forestry & Logging (17%)	Textiles & Clothing (12%)
Gas Extraction (6%)	Beverage Crops (13%)	Food Products & Other Feeds (7%)
Motor Vehicles & Trailers (5%)	Cattle (5%)	Vegetable Products (5%)
Electronics & Precision Instruments (5%)	Fruits & Nuts (4%)	Fruits & Nuts (5%)
Furniture & Other Manufacturing (4%)	Furniture & Other Manufacturing (4%)	Leguminous Crops & Oil Seeds (4%)
Civil Engineering Construction (4%)	Hospitality (3%)	Fruit Products (3%)
Machinery & Equipment (4%)	Textiles & Clothing (3%)	Hospitality (3%)
Health & Social Work Activities (4%)	Building Construction (3%)	Sugar, Chocolate, Confection (3%)
Building Construction (4%)	Civil Engineering Construction (3%)	Rice (2%)
Wholesale & Retail; Vehicle Repair (3%)	Sawmill Products (3%)	Furniture & Other Manufacturing (2%)

Part 4.

**METHODOLOGICAL
SUMMARY**



Part 4.

Methodological summary

The 2022 GCS Index follows the best practices of composite indexing (Nardo et al., 2008). To orient the reader, this section describes the basic framework, composition, and mechanics of the Index and how to interpret the results. A more detailed methodology can be found online in a technical appendix published separately from this report.

4.1. Changes in the 2022 Global Commons Stewardship Index

Taking advantage of the latest breakthroughs in environmental research and data science, this second edition of the GCS Index improves upon previous research. First, we refreshed existing indicators with the latest available datasets – or switched to different data providers when better datasets were available. Second, we are proud to include seven new indicators in the 2022 GCS Index:

- Indicators derived from the Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES) Trade Database:
 - Domestic export of CITES-protected terrestrial animals
 - Spillover CITES-protected terrestrial animals
 - Domestic export of CITES-protected marine animals
 - Spillover CITES-protected marine animals
- Indicators derived from Sea Around Us data:
 - Domestic vulnerable fisheries catch
 - Spillover vulnerable fisheries catch
- Indicator derived from Global Forest Watch data:
 - Spillover deforestation

These new indicators provide additional details about biodiversity threats, both terrestrial and marine. Pilot indicators constructed from CITES data and vulnerable fisheries catches provided by *Sea Around Us* will be refined for future editions of the GCS Index.

Third, the 2022 GCS Index uses Release 055 of the GLORIA global environmentally extended MRIO database (Lenzen et al., 2022), constructed in the Global MRIO Lab (Lenzen et al., 2017) at the University of Sydney. This new database provides more up-to-date estimates of trade flows across a common framework of 120 economic sectors for all world regions; in this study, spillover metrics derived from GLORIA are for the year 2018. Fourth, GLORIA also allows us to expand the number of countries covered by the GCS Index from 99 to 145 (and the EU27), providing a more geographically comprehensive analysis. Fifth, for the first time, countries' scores and trajectories in the Domestic and Spillover pillars are now combined to provide overall scores of how far countries are from meeting international sustainability thresholds.

Together, these improvements strengthen the analytical rigor, accuracy, and usefulness of the GCS Index. Changes in the methodology, indicators and data sources, and other analytical assumptions and choices also make the 2022 GCS Index results incomparable to previous editions of the Index. Apparent differences between the scores and underlying data presented here and in the 2021 or Pilot GCS Index reports cannot necessarily be attributed to changes in how countries are impacting the Global Commons. Rather, such differences are best understood to reflect methodological changes that yield more accurate assessments and refined construction of the GCS Index.

4.2. Construction of the Index

The GCS Index tracks the *impacts* of countries on the Global Commons. It does not track the state of the Global Commons or the vulnerability of countries to transgressions of Planetary Boundaries, for example, Climate Change. We categorize these impacts into six sub-pillars: Aerosol emissions, GHG emissions, biodiversity loss in Terrestrial and Marine biomes, and disruptions to the Water and Nutrient cycles. Two pillars further divide the indicators between those that measure impacts that occur entirely within territorial borders (Domestic) and those that measure impacts that cross boundaries (Spillover). In this report, international spillovers include impacts embodied in traded goods and services. Figure 1 illustrates the conceptual framework for the organization of these metrics.

We identify a total of 39 indicators from a variety of sources – 24 domestic indicators and 15 spillover indicators (Table 5). As described in the online appendix, the indicators are globally relevant, valid, reliable, up to date, collected according to internationally approved methods, and available for a large range of countries.

To make the data comparable across indicators, we rescale each variable between 1 and 100, with 1 denoting worst impacts and 100 denoting thresholds met or surpassed. We truncate each dataset so that all countries exceeding the threshold score no more than 100 and all countries falling below the lowest bound hold a score of 1.

We select the sustainability thresholds, or upper bounds, using a decision tree reflecting the approach used by the SDSN (Sachs et al., 2022) and the OECD (2019, Table 3.1) to compute distance to SDG targets. Optimally, sustainability thresholds set for each indicator should be based on international agreements such as the SDGs and Paris Climate Change Agreement. When such a target is not available, we rely on scientific input and expert judgment. Finally, if neither of these two options are available, the upper bound is based on the values of countries near the extremes of the distributions of the variables.

We aggregate the scores on individual metrics into sub-pillar, pillar, and overall scores using weighted geometric means. Within each sub-pillar, indicators received equal weighting (except for domestic GHG emissions). The GHG emissions sub-pillar constitutes 75% of each pillar score, reflecting the urgent and critical status of the Planetary Boundary attributed to the climate system, with the other five sub-pillars receiving a weight of 5%. In calculating the overall score, the two pillars are equally weighted. Color-coded dashboards help to identify the severity of each country's impacts on the Global Commons at each level of aggregation.

Because the 2022 GCS Index uses time-bound thresholds, this report includes an assessment of the trajectories of countries' impacts. While the scores provide a snapshot of the level of impacts based on the most recent year of data, we are also interested in the direction and pace of historic trends. For those indicators that have time-series, we calculate an annual average growth rate over the past five years of data. Projecting these growth rates into the future, we can determine whether countries are on- or off-track to meet sustainability thresholds in the year 2050 or interim thresholds in the year 2035. Even if a country is currently meeting the interim or 2050 threshold, we categorize its trajectory as being off-track if it is trending in the wrong direction. This would allow a country with a "green" dashboard to still receive a ↓ trajectory. These arrows are aggregated for sub-pillars, pillars, and an overall trajectory using the methods described in Sachs et al. (2022, pp. 61–62).

Further details about the construction of the 2022 GCS Index may be found in the methodological appendix, available online. This appendix includes descriptions of the environmental accounting behind spillover and domestic indicators, data selection criteria (including data gaps), metadata on the indicators, setting sustainability thresholds, and the calculation of trajectories, among other, more technical steps. We welcome comments and feedback, including suggestions for ways to improve future editions of the GCS Index, at GCSIndex@unsdsn.org.

4.2. Construction of the Index

Table 5.

Indicators included in the 2022 Global Commons Stewardship Index

Sub-pillar	Indicator	Spillover
Aerosols	SO ₂ emissions	✓
	NO _x emissions	✓
	Black Carbon emissions	✓
GHG Emissions	Greenhouse Gas emissions	✓
	CO ₂ emissions embodied in fossil fuel exports	
Terrestrial Biodiversity	Unprotected terrestrial Key Biodiversity Areas	
	Unprotected freshwater Key Biodiversity Areas	
	Land use biodiversity loss	✓
	Freshwater biodiversity threats	✓
	Deforestation	✓
	Red List Index of species survival	
	Endangered terrestrial organisms	✓
Biodiversity Habitat Index		
Marine Biodiversity	Unprotected marine Key Biodiversity Areas	
	Marine biodiversity threats	✓
	Endangered marine organisms	✓
	Fish caught from vulnerable taxa	✓
	Fish caught from overexploited or collapsed fish stocks	
Fish caught by trawling		
Nutrient Cycles	Sustainable Nitrogen Management Index	
	Nitrogen surplus	✓
	Phosphorus fertilizer	✓
Water Cycle	Scarce water consumption	✓
	Water stress	✓

Note: All indicators listed are included in the Domestic pillar; only those indicators with a ✓ are included in the Spillover pillar.

4.3. Data gaps and limitations

New and improved datasets on impacts to the Global Commons advance our drive to transition production and consumption patterns to sustainable pathways, but even with extensive networks of expert consultants, the GCS Index recognizes major data gaps and limitations with the knowledge synthesized in this report. Persistent data gaps limit the comprehensiveness of our results and highlight where further work is needed, especially with the support of international organizations. Major data gaps include:

- GHG Emissions
 - CO₂ fluxes from anthropogenic land use change, including those fluxes embodied in trade
- Terrestrial Biodiversity Loss
 - Functional biodiversity loss
 - Loss of intact areas and wilderness, including those losses attributable to trade
- Marine Biodiversity Loss
 - Fish stock depletion embodied in trade, including overfishing in international waters
 - Coastal pollution, especially of plastics, including those releases embodied in trade
- Nutrient Cycles
 - Hypoxia attributable to sources, including eutrophication embodied in trade
- Water Cycle
 - Water use disaggregated at the basin level
 - Groundwater depletion, including embodied in trade
- Stratospheric Ozone Depletion
 - Unreported or illegal production of ozone depleting substances (ODS), including those ODS embodied in trade
 - Mitigation of ODS in existing products or temporary storage

- Novel entities
 - Toxic pesticides, including those embodied in trade
- Physical flows of pollutants across country boundaries in air and water.

While the 2022 GCS Index makes use of the latest and most advanced scientific research on environmental impacts, the underlying datasets are not without limitations. Our new metrics on endangered species and marine vulnerability are pilot indicators, and the Technical Appendix (published separately online) provides further descriptions of the provisional work behind them. In some sub-pillars, such as GHG and deforestation, different researchers have come to different conclusions about how to apportion impacts among economic sectors. And all datasets suffer from delays between collection and publication of the data, reducing the ability of the GCS Index to reflect very recent changes, either from policy or world events, such as the COVID-19 pandemic or the conflict in Ukraine. All of these limitations argue for increased efforts by governments around the world to support robust data systems that collect, verify, and disseminate vital information on both environmental impacts and international flows of traded goods and services.

4.4. Stewardship of the Global Commons

Gauging countries' stewardship of the Global Commons requires categorizing the various ways in which they impact the environment. In the GCS Index, we use six sub-pillars, shown in Figure 1 to synthesize the indicators of how countries are protecting or harming the Global Commons. Rather than measuring the state of the Global Commons themselves, the GCS Index accounts for the influence countries have over our shared resources. Drawing on the broader work of the Center for Global Commons and the Global Commons Alliance, Figure 27 maps the means and extent to which each sub-pillar impacts the Global Commons, providing an outline of the levers for keeping the Earth in a safe operating space.

4.4. Stewardship of the Global Commons

Tracing the impacts of the sub-pillars to the Global Commons relies on an understanding of the underlying Earth System Science, including the relative magnitude of how influential different impacts are. Some sub-pillars are straightforward. Disruptions to the Water cycle have obvious impacts to the Land Biosphere, as the diversion of water resources has adverse effects on terrestrial and freshwater ecosystems – in addition to the increased risks of flooding and droughts from climate change (Poff & Zimmerman, 2010; Reid et al., 2019). Marine biodiversity is a major component of the Oceans and the ecosystem services that this Global Common provides, and biodiversity loss, as through over-harvesting of fish stocks, necessarily constitutes a major threat.

GHG emissions have diverse impacts on the Global Commons. Most directly, increased atmospheric concentrations of GHGs disrupt the Climate System, with subsequent threats to Ice Sheets & Glaciers. Carbon dioxide poses the additional threat of diffusing into the Oceans, increasing ocean acidification (Doney et al., 2009). Many ozone depleting substances are also potent GHGs, though these account for a small fraction of total GHG emissions and are emitted by a relatively small number of countries (Chipperfield et al., 2020; IPCC, 2021).

Terrestrial biodiversity loss harms the Land Biosphere, both through the direct loss of habitat but also through the weakening of ecosystems, including loss of genetic biodiversity (Cardinale, 2012; Hooper et al., 2012). Terrestrial ecosystems are also major fluxes in the carbon cycle, especially in forests, and losses of these ecosystems contribute significantly to increased concentrations of CO₂ in the atmosphere (Shukla et al., 2019), ocean acidification, further climate breakdown, and the subsequent threats to Ice Sheets & Glaciers.

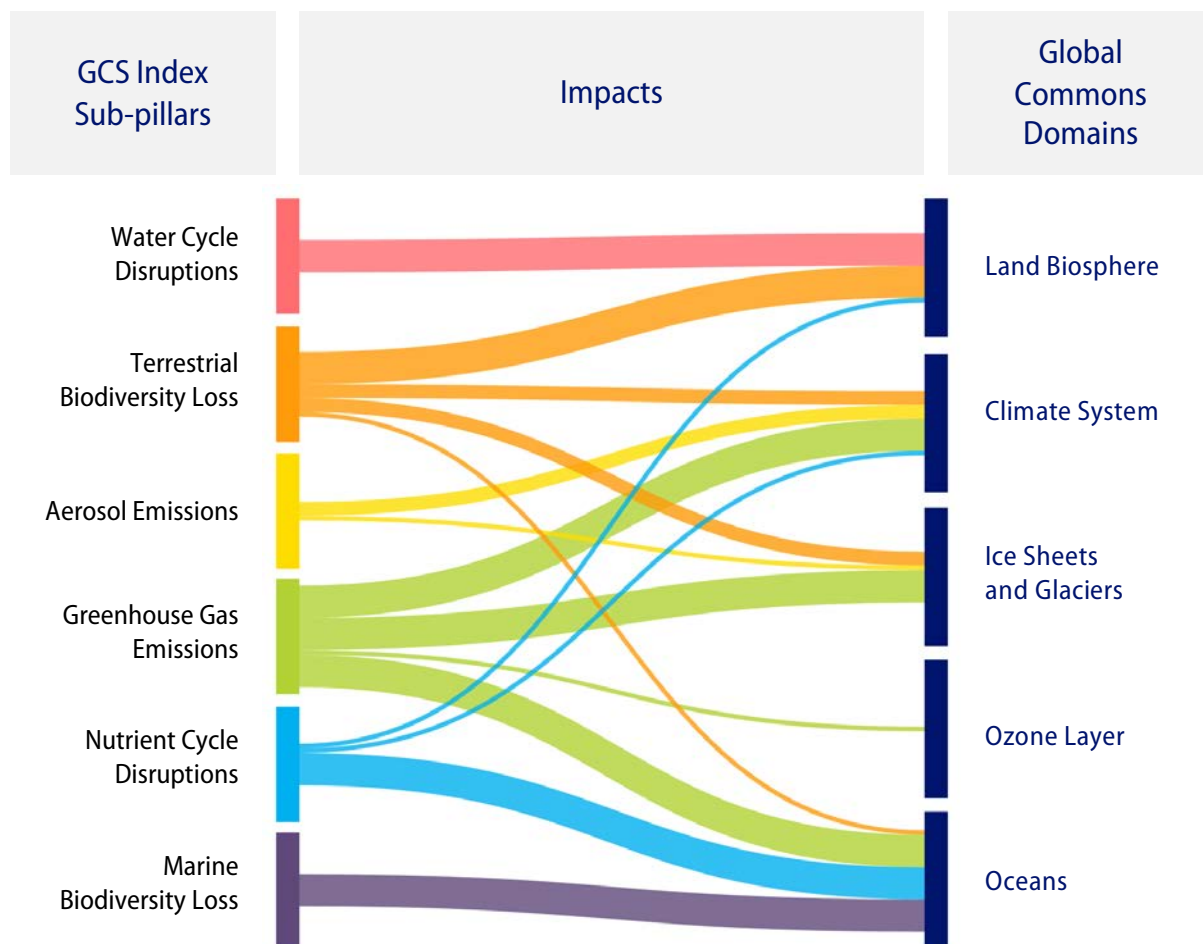
Disruptions to Nutrient cycles, especially nitrogen and phosphorus, also harm the Global Commons. The most prevalent fluxes are in the form of run-off from agricultural production, which pollutes freshwater ecosystems and eventually harm marine ecosystems through anoxic dead zones and other perturbations of food webs (FAO, 2016; Lassaletta et al., 2016; MacDonald et al., 2011; Peñuelas et al., 2013). The nitrogen cycle is also disturbed by the emissions of N₂O, a GHG (IPCC, 2021).

Aerosol emissions have impacts on the Climate System and Ice Sheets & Glaciers. Black Carbon, while not technically a GHG, is recognized as a climate pollutant and a substantial factor in global warming (Bond et al., 2013; IPCC, 2021). Deposition of particulate matter on Ice Sheets & Glaciers also decreases albedo, leading to more melting and further exposure of darker surfaces in an accelerating feedback loop (Levitsky, 2011; Ramanathan & Carmichael, 2008).

While attempting to capture as many impacts as possible, the current scheme is incomplete. Fully accounting for all drivers of the state of the Global Commons requires more indicators than are currently available, some of which lie beyond the categories outlined in Figure 27. The health of the Ozone layer, for example, also depends on the emissions of other substances not captured in national GHG inventories. The GCS Index classification of indicators is useful not just for measuring impacts to the Global Commons but also for highlighting areas where the Global Commons Alliance must work with partners to increase data availability and the development of policy-relevant indicators.

Figure 27.

Illustration of the impacts of GCS Index sub-pillars on the Global Commons



Note: The width of the lines denotes the degree of impact: (thick) direct, significant impact, (medium) moderate impact, and (thin) indirect or limited impact.

Appendix A

World regions used in the 2022 Global Commons Stewardship Index

Countries are sorted by Overall score from lowest (greatest negative impact on the Global Commons) to highest. Index results are contextualized by GDP per capita and Human Development Index (HDI) values.

Sources: GDP (constant 2017 US\$, PPP) and population from the World Bank DataBank; Human Development Index (HDI) from the UN Development Programme (2022).

Table 6.
2022 GCS Index results in Proportional terms for Africa

COUNTRY	OVERALL			DOMESTIC			SPILLOVER			GDP	HDI	
	Rating	Score	Arrow	Rating	Score	Arrow	Rating	Score	Arrow	per capita	Value	Category
Gabon	■	34.0	→	■	19.8	→	■	58.6	→	14,400	0.706	■
Botswana	■	34.8	→	■	46.5	→	■	26.0	→	16,040	0.693	■
Namibia	■	41.0	→	■	54.1	→	■	31.0	→	8,894	0.615	■
South Africa	■	46.0	→	■	31.2	→	■	68.0	↗	11,466	0.713	■
Congo, Republic of	■	50.9	→	■	41.9	→	■	62.0	→	3,449	0.571	■
Zimbabwe	■	65.9	→	■	55.6	→	■	78.0	→	2,745	0.593	■
Angola	■	68.8	↗	■	62.8	↗	■	75.5	↗	6,198	0.586	■
Nigeria	■	69.1	→	■	49.3	→	■	96.7	↗	4,917	0.535	■
Ghana	■	69.5	→	■	63.1	→	■	76.5	→	5,305	0.632	■
Mauritania	■	70.1	→	■	65.7	→	■	74.9	↗	4,983	0.556	■
Côte d'Ivoire	■	71.6	→	■	64.2	→	■	79.8	↓	5,174	0.550	■
Guinea	■	74.9	→	■	66.6	→	■	84.2	↓	2,671	0.465	■
Cameroon	■	76.2	↗	■	62.2	→	■	93.4	↗	3,576	0.576	■
Zambia	■	76.8	→	■	66.3	→	■	89.0	↗	3,270	0.565	■
Mozambique	■	77.3	↗	■	68.1	→	■	87.8	↗	1,229	0.446	■
Kenya	■	77.8	→	■	76.9	→	■	78.7	→	4,220	0.575	■
Liberia	■	78.0	→	■	62.2	→	■	97.9	→	1,354	0.481	■
Chad	■	78.9	→	■	62.3	→	■	99.9	↗	1,520	0.394	■
Uganda	■	80.7	↗	■	66.5	→	■	97.9	↑	2,178	0.525	■
Senegal	■	82.0	→	■	84.0	→	■	80.0	→	3,300	0.511	■
Tanzania	■	82.7	↗	■	69.3	→	■	98.9	↑	2,558	0.549	■
Somalia	■	84.5	↗	■	71.4	→	■	100.0	↗	1,444	NA	■
Benin	■	85.2	→	■	85.2	→	■	85.2	→	3,323	0.525	■
Central African Republic	■	85.4	→	■	80.2	→	■	91.0	↓	929	0.404	■
Madagascar	■	87.4	→	■	78.0	→	■	97.8	↗	1,510	0.501	■
Eritrea	■	89.2	→	■	79.7	→	■	99.9	→	3,004	0.492	■
Ethiopia	■	89.5	→	■	80.2	→	■	99.8	↓	2,297	0.498	■
Mali	■	89.6	→	■	82.9	→	■	96.8	↓	2,217	0.428	■
Malawi	■	89.6	→	■	82.5	→	■	97.3	→	1,487	0.512	■
Burkina Faso	■	90.5	→	■	83.8	→	■	97.8	→	2,161	0.449	■
Congo, Dem. Rep.	■	90.7	→	■	86.3	→	■	95.4	↓	1,072	0.479	■
Togo	■	91.5	→	■	86.5	→	■	96.7	↗	2,108	0.539	■
Sierra Leone	■	91.6	↗	■	86.4	→	■	97.2	↗	1,648	0.477	■
Gambia	■	92.2	→	■	87.4	↗	■	97.3	→	2,159	0.500	■
Rwanda	■	92.5	→	■	92.9	→	■	92.0	→	2,099	0.534	■
Niger	■	92.5	→	■	87.3	→	■	98.1	→	1,197	0.400	■
Burundi	■	93.8	↗	■	88.5	→	■	99.4	↗	731	0.426	■

Ratings
Negative impacts on the Global Commons

■	95-100	None or limited
■	90-95	Low
■	80-90	Medium-low
■	70-80	Medium-high
■	50-70	High
■	30-50	Very high
■	0-30	Extreme

Arrows
Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in the wrong direction

HDI category
Classification on the Human Development Index

■	0.8-1.0	Very high
■	0.7-0.8	High
■	0.55-0.7	Medium
■	0-0.55	Low

Table 7.
2022 GCS Index results in Proportional terms for East & South Asia

COUNTRY	OVERALL			DOMESTIC			SPILLOVER			GDP	HDI	
	Rating	Score	Arrow	Rating	Score	Arrow	Rating	Score	Arrow	per capita	Value	Category
Singapore	■	6.0	→	■	33.7	→	■	1.1	→	93,397	0.939	■
Mongolia	■	23.1	→	■	10.2	↓	■	52.2	→	11,471	0.739	■
Malaysia	■	32.7	→	■	30.4	→	■	35.1	→	26,435	0.803	■
Bhutan	■	42.1	→	■	36.9	→	■	48.0	→	10,909	0.666	■
Thailand	■	43.7	→	■	35.5	→	■	53.7	→	17,287	0.800	■
China	■	49.8	↓	■	36.0	→	■	68.9	↓	16,411	0.768	■
Vietnam	■	51.4	↓	■	43.8	↓	■	60.2	↓	8,200	0.703	■
Laos	■	57.3	→	■	46.7	↓	■	70.4	→	7,806	0.607	■
Indonesia	■	59.1	→	■	43.8	→	■	79.9	→	11,445	0.705	■
Sri Lanka	■	63.7	→	■	66.6	→	■	61.0	↓	12,537	0.782	■
Philippines	■	64.7	↓	■	59.4	→	■	70.5	↓	7,954	0.699	■
Cambodia	■	68.4	→	■	56.5	→	■	82.9	→	4,192	0.593	■
Myanmar	■	70.0	↓	■	53.1	↓	■	92.3	↓	4,544	0.585	■
India	■	70.2	→	■	51.8	↓	■	95.0	→	6,118	0.633	■
Nepal	■	73.0	↓	■	74.9	↓	■	71.1	↓	3,800	0.602	■
Papua New Guinea	■	75.4	→	■	80.8	→	■	70.4	↗	4,101	0.558	■
Pakistan	■	78.0	→	■	61.3	→	■	99.3	→	4,623	0.544	■
Bangladesh	■	87.8	→	■	88.2	↓	■	87.4	→	4,818	0.661	■

Table 8.
2022 GCS Index results in Proportional terms for Eastern Europe & Central Asia

COUNTRY	OVERALL			DOMESTIC			SPILLOVER			GDP	HDI	
	Rating	Score	Arrow	Rating	Score	Arrow	Rating	Score	Arrow	per capita	Value	Category
Kazakhstan	■	24.4	→	■	15.8	→	■	37.6	→	25,337	0.811	■
Malta	■	26.8	→	■	64.6	→	■	11.2	↓	39,222	0.918	■
Cyprus	■	28.7	↓	■	44.3	↓	■	18.6	↓	27,885	0.896	■
Russia	■	30.4	→	■	16.5	→	■	56.0	↗	26,895	0.822	■
Croatia	■	32.6	↓	■	33.4	→	■	31.9	↓	26,465	0.858	■
Belarus	■	35.7	→	■	31.5	→	■	40.5	→	19,148	0.808	■
Bulgaria	■	40.2	↓	■	35.2	↓	■	45.9	↓	22,384	0.795	■
Azerbaijan	■	41.6	→	■	37.0	→	■	46.7	→	13,700	0.745	■
Bosnia & Herzegovina	■	43.3	↓	■	33.9	↓	■	55.2	↓	14,340	0.780	■
Romania	■	48.2	↓	■	49.9	↓	■	46.6	↓	28,833	0.821	■
Georgia	■	49.1	→	■	55.3	→	■	43.7	→	14,089	0.802	■
North Macedonia	■	49.2	→	■	53.3	↓	■	45.5	→	15,848	0.770	■
Armenia	■	51.4	→	■	70.2	→	■	37.7	→	12,593	0.759	■
Moldova	■	52.5	→	■	57.6	↓	■	47.9	→	12,325	0.767	■
Ukraine	■	52.6	→	■	50.7	→	■	54.6	→	11,707	0.773	■
Albania	■	59.8	→	■	65.7	→	■	54.4	→	13,295	0.796	■
Uzbekistan	■	60.8	→	■	47.8	→	■	77.3	→	6,994	0.727	■
Kyrgyzstan	■	74.6	→	■	61.9	→	■	90.0	→	4,707	0.692	■
Tajikistan	■	76.3	↗	■	69.6	→	■	83.8	↑	3,658	0.685	■

Ratings
Negative impacts on the Global Commons

■	95–100	None or limited
■	90–95	Low
■	80–90	Medium-low
■	70–80	Medium-high
■	50–70	High
■	30–50	Very high
■	0–30	Extreme

Arrows
Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in the wrong direction

HDI category
Classification on the Human Development Index

■	0.8–1.0	Very high
■	0.7–0.8	High
■	0.55–0.7	Medium
■	0–0.55	Low

Table 9.
2022 GCS Index results in Proportional terms for Latin America & the Caribbean

COUNTRY	OVERALL			DOMESTIC			SPILLOVER			GDP	HDI	
	Rating	Score	Arrow	Rating	Score	Arrow	Rating	Score	Arrow	per capita	Value	Category
Uruguay	■	34.3	→	■	25.3	→	■	46.6	↗	21,608	0.809	■
Paraguay	■	44.5	→	■	32.3	↓	■	61.3	→	12,335	0.717	■
Belize	■	45.5	→	■	35.7	→	■	58.1	→	6,120	0.683	■
Argentina	■	45.7	→	■	32.6	→	■	64.3	→	19,687	0.842	■
Brazil	■	48.4	→	■	33.1	→	■	70.8	→	14,064	0.754	■
Ecuador	■	49.5	→	■	42.0	→	■	58.4	→	10,329	0.740	■
Panama	■	49.7	→	■	53.3	→	■	46.3	→	25,382	0.805	■
Venezuela	■	50.6	↗	■	51.2	↗	■	50.0	↗	8,399	0.691	■
El Salvador	■	50.7	→	■	73.8	→	■	34.8	→	8,057	0.675	■
Cuba	■	55.0	→	■	47.3	→	■	63.9	→	24,668	0.764	■
Dominican Republic	■	55.0	→	■	54.0	→	■	56.0	→	17,003	0.767	■
Bolivia	■	55.4	→	■	41.7	→	■	73.6	→	7,932	0.692	■
Peru	■	59.0	→	■	54.3	→	■	64.1	↓	11,261	0.762	■
Jamaica	■	59.1	→	■	63.3	→	■	55.2	→	8,742	0.709	■
Guatemala	■	59.9	→	■	52.1	→	■	69.0	→	8,393	0.627	■
Honduras	■	68.0	→	■	68.0	↗	■	68.0	→	5,138	0.621	■
Nicaragua	■	71.8	→	■	67.1	→	■	76.7	↗	5,280	0.667	■
Haiti	■	72.6	→	■	67.7	→	■	77.9	↓	2,773	0.535	■

Table 10.
2022 GCS Index results in Proportional terms for the Middle East & North Africa

COUNTRY	OVERALL			DOMESTIC			SPILLOVER			GDP	HDI	
	Rating	Score	Arrow	Rating	Score	Arrow	Rating	Score	Arrow	per capita	Value	Category
Qatar	■	2.0	→	■	2.6	↗	■	1.5	↓	85,266	0.855	■
Kuwait	■	3.8	→	■	3.3	→	■	4.4	↓	44,847	0.831	■
United Arab Emirates	■	3.9	→	■	2.4	→	■	6.2	→	63,299	0.911	■
Bahrain	■	8.6	→	■	6.5	→	■	11.2	↓	40,933	0.875	■
Oman	■	9.6	→	■	4.1	→	■	22.8	→	29,502	0.816	■
Saudi Arabia	■	13.8	→	■	10.1	→	■	18.7	→	44,328	0.875	■
Iran	■	39.6	→	■	29.4	→	■	53.4	↓	12,433	0.774	■
Jordan	■	42.9	↗	■	68.4	↗	■	26.9	→	9,817	0.720	■
Lebanon	■	44.4	→	■	58.9	→	■	33.4	→	11,649	0.706	■
Iraq	■	45.8	→	■	38.5	→	■	54.5	→	9,255	0.686	■
Algeria	■	53.4	→	■	43.1	→	■	66.2	↗	10,682	0.745	■
Tunisia	■	56.0	→	■	49.9	→	■	62.7	→	9,728	0.731	■
Egypt	■	62.8	→	■	55.0	→	■	71.6	→	11,951	0.731	■
Morocco	■	71.5	→	■	72.2	→	■	70.7	→	7,028	0.683	■

Ratings

■	95–100	None or limited
■	90–95	Low
■	80–90	Medium-low
■	70–80	Medium-high
■	50–70	High
■	30–50	Very high
■	0–30	Extreme

Arrows
Based on 5-year growth rates

↗	Projected to meet 2050 threshold
↘	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in the wrong direction

HDI category
Classification on the Human Development Index

■	0.8–1.0	Very high
■	0.7–0.8	High
■	0.55–0.7	Medium
■	0–0.55	Low

Appendix A: World regions used in the 2022 Global Commons Stewardship Index

Table 11.
2022 GCS Index results in Proportional terms for the OECD

COUNTRY	OVERALL			DOMESTIC			SPILLOVER			GDP	HDI	
	Rating	Score	Arrow	Rating	Score	Arrow	Rating	Score	Arrow	per capita	Value	Category
Luxembourg	■	5.2	→	■	18.0	→	■	1.5	→	110,261	0.930	■
Australia	■	6.1	→	■	2.1	→	■	17.7	→	48,698	0.951	■
Ireland	■	8.0	→	■	31.0	→	■	2.0	↓	90,625	0.945	■
Iceland	■	9.5	↓	■	30.2	↓	■	3.0	↓	52,381	0.959	■
Belgium	■	11.6	→	■	34.1	→	■	4.0	↓	48,210	0.937	■
Canada	■	11.7	→	■	7.1	→	■	19.2	→	45,900	0.936	■
Finland	■	12.5	→	■	11.9	→	■	13.1	→	47,167	0.940	■
Switzerland	■	12.8	→	■	61.6	→	■	2.6	→	68,753	0.962	■
Norway	■	13.2	→	■	15.7	→	■	11.1	→	63,584	0.961	■
Netherlands	■	13.4	→	■	33.3	→	■	5.4	→	54,326	0.941	■
New Zealand	■	15.1	→	■	13.6	→	■	16.7	→	42,404	0.937	■
Denmark	■	16.2	→	■	34.1	→	■	7.7	↓	55,820	0.948	■
United States	■	18.2	→	■	13.9	→	■	23.7	↓	59,909	0.921	■
Estonia	■	18.7	→	■	19.4	→	■	18.1	↓	35,215	0.890	■
Austria	■	20.7	→	■	32.8	→	■	13.1	↓	52,120	0.916	■
South Korea	■	21.7	↓	■	31.8	→	■	14.8	↓	42,251	0.925	■
Israel	■	23.7	→	■	42.0	→	■	13.4	↓	38,341	0.919	■
Sweden	■	23.7	→	■	32.9	→	■	17.1	→	51,003	0.947	■
Lithuania	■	23.8	↓	■	34.7	↓	■	16.4	↓	36,732	0.875	■
Germany	■	25.7	→	■	36.2	→	■	18.3	→	51,374	0.942	■
Slovenia	■	27.9	→	■	39.1	→	■	20.0	↓	37,091	0.918	■
Czechia	■	28.7	↓	■	28.5	→	■	28.9	↓	38,509	0.889	■
Latvia	■	29.1	↓	■	37.9	→	■	22.4	↓	29,932	0.863	■
European Union	■	29.4	↓	■	37.3	↓	■	23.1	↓	41,721	0.903	■
Japan	■	30.1	→	■	43.2	→	■	21.0	→	39,716	0.925	■
Slovakia	■	30.2	↓	■	39.9	↓	■	22.8	↓	30,330	0.848	■
Greece	■	31.0	→	■	33.1	→	■	29.1	→	27,287	0.887	■
United Kingdom	■	32.2	→	■	42.2	→	■	24.7	→	41,606	0.929	■
Italy	■	34.1	→	■	44.3	→	■	26.3	→	38,992	0.895	■
Spain	■	34.5	→	■	40.7	→	■	29.3	↓	36,220	0.905	■
France	■	34.8	→	■	48.2	→	■	25.1	→	42,289	0.903	■
Poland	■	35.4	↓	■	30.8	→	■	40.5	↓	32,238	0.876	■
Chile	■	36.1	→	■	36.4	→	■	35.8	→	23,325	0.855	■
Portugal	■	36.5	→	■	48.0	→	■	27.7	↓	32,178	0.866	■
Hungary	■	37.0	↓	■	39.7	↓	■	34.5	↓	31,008	0.846	■
Mexico	■	47.0	→	■	40.1	→	■	55.1	↓	17,888	0.758	■
Turkey	■	48.4	→	■	47.6	→	■	49.2	→	28,385	0.838	■
Colombia	■	52.0	→	■	39.7	→	■	68.0	→	13,441	0.752	■
Costa Rica	■	53.2	↓	■	58.9	→	■	48.1	↓	19,679	0.809	■

Ratings
Negative impacts on the Global Commons

■	95–100	None or limited
■	90–95	Low
■	80–90	Medium-low
■	70–80	Medium-high
■	50–70	High
■	30–50	Very high
■	0–30	Extreme

Arrows
Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in the wrong direction

HDI category
Classification on the Human Development Index

■	0.8–1.0	Very high
■	0.7–0.8	High
■	0.55–0.7	Medium
■	0–0.55	Low

Appendix B

Sectors driving spillover impacts for select countries

As shown in Section 3.2., 'Sectors driving spillover impacts,' Multi-Regional Input-Output (MRIO) tables can track the flow of spillovers through supply chains disaggregated by economic sector. For three representative indicators, GHG emissions, deforestation, and water stress, we identify the top industries in foreign countries that generate negative impacts and the top products

imported for final consumption that have embodied impacts. Ten countries illustrate this level of granular analysis: Brazil, China, the European Union, India, Indonesia, Japan, Singapore, South Korea, the United States, and Vietnam. Highlighting specific sectors can help focus policy efforts to prioritize which supply chains provide the greatest leverage over impacts to the Global Commons.

Table 12.

Top economic sectors driving spillovers in **Brazil**, by source industry and products imported for final consumption

	Source industries in foreign countries	Products imported for final consumption
GHG Emissions	Gas Extraction (19%)	Road Transport (6%)
	Electricity (16%)	Non-Nitrogenous & Mixed Fertilizers (6%)
	Road Transport (8%)	Motor Vehicles & Trailers (5%)
	Basic Organic Chemicals (7%)	Electricity (5%)
	Hard Coal (4%)	Textiles & Clothing (5%)
	Basic Inorganic Chemicals (3%)	Electronics & Precision Instruments (4%)
	Textiles & Clothing (3%)	Nitrogenous Fertilizers (4%)
	Other Animals & Services to Ag. (3%)	Gas Extraction (4%)
	Air Transport (3%)	Machinery & Equipment (4%)
	Machinery & Equipment (2%)	Civil Engineering Construction (3%)
Deforestation	Forestry & Logging (26%)	Hospitality (11%)
	Other Animals & Services to Ag. (18%)	Non-Nitrogenous & Mixed Fertilizers (11%)
	Dairy Products (11%)	Cereal Products (8%)
	Wheat (8%)	Furniture & Other Manufacturing (5%)
	Cattle (8%)	Vegetable Oils & Fats (4%)
	Leguminous Crops & Oil Seeds (6%)	Other Animals & Services to Ag. (3%)
	Fruits & Nuts (5%)	Refined Petroleum Products (3%)
	Sheep (5%)	Forestry & Logging (3%)
	Maize (5%)	Food Products & Other Feeds (2%)
	Rice (3%)	Health & Social Work Activities (2%)
Water Stress	Rice (24%)	Rice (17%)
	Leguminous Crops & Oil Seeds (14%)	Cereal Products (9%)
	Wheat (9%)	Textiles & Clothing (8%)
	Spice & Drug Crops (5%)	Food Products & Other Feeds (6%)
	Basic Organic Chemicals (5%)	Non-Nitrogenous & Mixed Fertilizers (4%)
	Maize (4%)	Leather & Footwear (4%)
	Fruits & Nuts (4%)	Vegetable Oils & Fats (3%)
	Basic Iron & Steel (4%)	Hospitality (3%)
	Grapes (3%)	Pharmaceuticals & Medicinal Products (2%)
	Other Crops (2%)	Fruits & Nuts (2%)

Table 13.

Top economic sectors driving spillovers in **China**, by source industry and products imported for final consumption

	Source industries in foreign countries	Products imported for final consumption
GHG Emissions	<ul style="list-style-type: none"> Gas Extraction (17%) Electricity (17%) Leguminous Crops & Oil Seeds (6%) Basic Organic Chemicals (6%) Cattle (6%) Hard Coal (5%) Road Transport (4%) Other Ceramics (3%) Other Animals & Services to Ag. (3%) Machinery & Equipment (2%) 	<ul style="list-style-type: none"> Civil Engineering Construction (13%) Building Construction (11%) Machinery & Equipment (7%) Motor Vehicles & Trailers (6%) Electronics & Precision Instruments (5%) Textiles & Clothing (3%) Electrical Equipment (3%) Cereal Products (2%) Hospitality (2%) Leguminous Crops & Oil Seeds (2%)
Deforestation	<ul style="list-style-type: none"> Forestry & Logging (59%) Leguminous Crops & Oil Seeds (16%) Cattle (15%) Fruits & Nuts (3%) Rice (2%) Other Animals & Services to Ag. (1%) Sheep (1%) Maize (1%) Vegetable Products (<1%) Fiber Crops (<1%) 	<ul style="list-style-type: none"> Forestry & Logging (18%) Civil Engineering Construction (11%) Building Construction (11%) Leguminous Crops & Oil Seeds (4%) Cattle (4%) Furniture & Other Manufacturing (3%) Cereal Products (3%) Non-Nitrogenous & Mixed Fertilizers (2%) Hospitality (2%) Swine (2%)
Water Stress	<ul style="list-style-type: none"> Leguminous Crops & Oil Seeds (55%) Other Crops (7%) Rice (5%) Fruits & Nuts (5%) Fiber Crops (3%) Copper Ores (2%) Spice & Drug Crops (2%) Wheat (2%) Sugar Beet & Cane (2%) Seeds & Plant Propagation (2%) 	<ul style="list-style-type: none"> Leguminous Crops & Oil Seeds (17%) Cereal Products (6%) Civil Engineering Construction (5%) Textiles & Clothing (5%) Hospitality (4%) Building Construction (4%) Rice (4%) Swine (4%) Food Products & Other Feeds (4%) Poultry (3%)

Table 14.

Top economic sectors driving spillovers in the **European Union**, by source industry and products imported for final consumption

	Source industries in foreign countries	Products imported for final consumption
GHG Emissions	Electricity (20%)	Textiles & Clothing (8%)
	Gas Extraction (17%)	Electricity (6%)
	Basic Organic Chemicals (5%)	Motor Vehicles & Trailers (5%)
	Road Transport (5%)	Electronics & Precision Instruments (5%)
	Hard Coal (5%)	Furniture & Other Manufacturing (4%)
	Textiles & Clothing (4%)	Civil Engineering Construction (4%)
	Basic Inorganic Chemicals (3%)	Machinery & Equipment (4%)
	Other Animals & Services to Ag. (3%)	Health & Social Work Activities (4%)
	Waste Services (3%)	Building Construction (4%)
	Electronics & Precision Instruments (2%)	Wholesale & Retail; Vehicle Repair (3%)
Deforestation	Forestry & Logging (39%)	Forestry & Logging (17%)
	Cattle (16%)	Beverage Crops (13%)
	Beverage Crops (15%)	Cattle (5%)
	Fruits & Nuts (8%)	Fruits & Nuts (4%)
	Leguminous Crops & Oil Seeds (7%)	Furniture & Other Manufacturing (4%)
	Other Animals & Services to Ag. (5%)	Hospitality (3%)
	Sheep (4%)	Textiles & Clothing (3%)
	Maize (2%)	Building Construction (3%)
	Rice (1%)	Civil Engineering Construction (3%)
	Vegetable Products (1%)	Sawmill Products (3%)
Water Stress	Leguminous Crops & Oil Seeds (19%)	Textiles & Clothing (12%)
	Wheat (12%)	Food Products & Other Feeds (7%)
	Fruits & Nuts (12%)	Vegetable Products (5%)
	Other Crops (7%)	Fruits & Nuts (5%)
	Rice (5%)	Leguminous Crops & Oil Seeds (4%)
	Basic Iron & Steel (3%)	Fruit Products (3%)
	Spice & Drug Crops (3%)	Hospitality (3%)
	Sugar Beet & Cane (3%)	Sugar, Chocolate, Confection (3%)
	Grapes (3%)	Rice (2%)
	Basic Organic Chemicals (3%)	Furniture & Other Manufacturing (2%)

Table 15.

Top economic sectors driving spillovers in **India**, by source industry and products imported for final consumption

	Source industries in foreign countries	Products imported for final consumption
GHG Emissions	<ul style="list-style-type: none"> Gas Extraction (23%) Electricity (18%) Hard Coal (12%) Basic Organic Chemicals (6%) Other Ceramics (5%) Road Transport (3%) Basic Inorganic Chemicals (2%) Machinery & Equipment (2%) Cement, Lime & Plaster Products (2%) Electronics & Precision Instruments (2%) 	<ul style="list-style-type: none"> Civil Engineering Construction (11%) Building Construction (10%) Motor Vehicles & Trailers (7%) Machinery & Equipment (6%) Electronics & Precision Instruments (6%) Textiles & Clothing (6%) Electricity (5%) Gaseous Fuels Utilities (4%) Electrical Equipment (4%) Other Chemical Products (2%)
Deforestation	<ul style="list-style-type: none"> Forestry & Logging (32%) Leguminous Crops & Oil Seeds (25%) Fruits & Nuts (22%) Beverage Crops (5%) Cattle (5%) Vegetable Products (3%) Sheep (3%) Maize (1%) Dairy Products (1%) Other Animals & Services to Ag. (1%) 	<ul style="list-style-type: none"> Vegetable Oils & Fats (25%) Forestry & Logging (13%) Fruits & Nuts (6%) Vegetable Products (5%) Beverage Crops (5%) Sugar, Chocolate, Confection (5%) Civil Engineering Construction (3%) Building Construction (2%) Motor Vehicles & Trailers (2%) Sawmill Products (2%)
Water Stress	<ul style="list-style-type: none"> Fruits & Nuts (23%) Leguminous Crops & Oil Seeds (14%) Wheat (9%) Seeds & Plant Propagation (8%) Basic Organic Chemicals (6%) Fiber Crops (6%) Vegetable Products (4%) Basic Iron & Steel (4%) Spice & Drug Crops (4%) Electricity (2%) 	<ul style="list-style-type: none"> Fruits & Nuts (15%) Vegetable Products (9%) Seeds & Plant Propagation (7%) Textiles & Clothing (6%) Vegetable Oils & Fats (6%) Food Products & Other Feeds (5%) Fiber Crops (4%) Electronics & Precision Instruments (3%) Machinery & Equipment (3%) Civil Engineering Construction (3%)

Table 16.

Top economic sectors driving spillovers in **Indonesia**, by source industry and products imported for final consumption

	Source industries in foreign countries	Products imported for final consumption
GHG Emissions	Electricity (22%)	Building Construction (11%)
	Gas Extraction (14%)	Civil Engineering Construction (8%)
	Basic Organic Chemicals (6%)	Machinery & Equipment (6%)
	Cattle (5%)	Textiles & Clothing (6%)
	Hard Coal (4%)	Electronics & Precision Instruments (5%)
	Machinery & Equipment (3%)	Rice (4%)
	Basic Inorganic Chemicals (3%)	Other Chemical Products (3%)
	Textiles & Clothing (3%)	Wholesale & Retail; Vehicle Repair (3%)
	Road Transport (3%)	Motor Vehicles & Trailers (3%)
	Cement, Lime & Plaster Products (2%)	Other Transport Equipment (3%)
Deforestation	Forestry & Logging (34%)	Fruits & Nuts (15%)
	Fruits & Nuts (25%)	Forestry & Logging (12%)
	Cattle (8%)	Hospitality (7%)
	Leguminous Crops & Oil Seeds (8%)	Rice (7%)
	Rice (7%)	Building Construction (5%)
	Fiber Crops (4%)	Cereal Products (4%)
	Sheep (3%)	Animal Oils & Fats (3%)
	Maize (3%)	Fiber Crops (3%)
	Sugar Beet & Cane (2%)	Sugar, Chocolate, Confection (3%)
	Other Animals & Services to Ag. (2%)	Furniture & Other Manufacturing (3%)
Water Stress	Leguminous Crops & Oil Seeds (27%)	Leguminous Crops & Oil Seeds (12%)
	Wheat (12%)	Rice (9%)
	Rice (9%)	Hospitality (9%)
	Fruits & Nuts (9%)	Cereal Products (6%)
	Sugar Beet & Cane (5%)	Textiles & Clothing (6%)
	Basic Iron & Steel (5%)	Sugar, Chocolate, Confection (5%)
	Spice & Drug Crops (5%)	Fruits & Nuts (4%)
	Maize (4%)	Building Construction (4%)
	Basic Organic Chemicals (4%)	Wheat (3%)
	Fiber Crops (3%)	Civil Engineering Construction (3%)

Table 17.

Top economic sectors driving spillovers in **Japan**, by source industry and products imported for final consumption

	Source industries in foreign countries	Products imported for final consumption
GHG Emissions	<ul style="list-style-type: none"> Gas Extraction (23%) Electricity (18%) Hard Coal (7%) Basic Organic Chemicals (4%) Textiles & Clothing (4%) Road Transport (3%) Cattle (3%) Electronics & Precision Instruments (3%) Other Animals & Services to Ag. (3%) Basic Inorganic Chemicals (3%) 	<ul style="list-style-type: none"> Electronics & Precision Instruments (10%) Textiles & Clothing (8%) Electricity (7%) Building Construction (5%) Health & Social Work Activities (5%) Wholesale & Retail; Vehicle Repair (5%) Gaseous Fuels Utilities (4%) Civil Engineering Construction (4%) Refined Petroleum Products (3%) Hospitality (3%)
Deforestation	<ul style="list-style-type: none"> Forestry & Logging (73%) Cattle (8%) Leguminous Crops & Oil Seeds (5%) Other Animals & Services to Ag. (4%) Beverage Crops (3%) Fruits & Nuts (2%) Other Crops (1%) Maize (1%) Sheep (1%) Vegetable Products (1%) 	<ul style="list-style-type: none"> Forestry & Logging (30%) Building Construction (17%) Furniture & Other Manufacturing (4%) Cattle (4%) Civil Engineering Construction (4%) Food Products & Other Feeds (3%) Hospitality (3%) Wholesale & Retail; Vehicle Repair (3%) Textiles & Clothing (2%) Health & Social Work Activities (2%)
Water Stress	<ul style="list-style-type: none"> Leguminous Crops & Oil Seeds (21%) Other Crops (12%) Rice (12%) Wheat (11%) Maize (6%) Basic Organic Chemicals (4%) Basic Iron & Steel (3%) Fruits & Nuts (3%) Spice & Drug Crops (2%) Swine (2%) 	<ul style="list-style-type: none"> Food Products & Other Feeds (14%) Textiles & Clothing (12%) Rice (9%) Electronics & Precision Instruments (5%) Other Crops (4%) Cattle (4%) Vegetable Products (4%) Cereal Products (3%) Hospitality (3%) Health & Social Work Activities (2%)

Table 18.

Top economic sectors driving spillovers in **Singapore**, by source industry and products imported for final consumption

	Source industries in foreign countries	Products imported for final consumption
GHG Emissions	Electricity (22%)	Building Construction (12%)
	Gas Extraction (8%)	Electronics & Precision Instruments (7%)
	Road Transport (6%)	Government Services (7%)
	Cement, Lime & Plaster Products (5%)	Other Transport Equipment (5%)
	Hard Coal (4%)	Furniture & Other Manufacturing (5%)
	Basic Organic Chemicals (4%)	Machinery & Equipment (5%)
	Machinery & Equipment (3%)	Textiles & Clothing (4%)
	Cattle (3%)	Wholesale & Retail; Vehicle Repair (3%)
	Electronics & Precision Instruments (3%)	Road Transport (3%)
	Textiles & Clothing (3%)	Health & Social Work Activities (2%)
Deforestation	Fruits & Nuts (35%)	Fruits & Nuts (33%)
	Forestry & Logging (18%)	Cattle (13%)
	Cattle (17%)	Furniture & Other Manufacturing (5%)
	Leguminous Crops & Oil Seeds (9%)	Other Animals & Services to Ag. (4%)
	Other Animals & Services to Ag. (5%)	Forestry & Logging (3%)
	Other Crops (3%)	Building Construction (3%)
	Vegetables, Roots, Tubers (3%)	Other Crops (2%)
	Beverage Crops (2%)	Hospitality (2%)
	Rice (2%)	Vegetables, Roots, Tubers (2%)
	Maize (1%)	Leguminous Crops & Oil Seeds (2%)
Water Stress	Leguminous Crops & Oil Seeds (13%)	Rice (10%)
	Wheat (13%)	Textiles & Clothing (7%)
	Rice (12%)	Fruits & Nuts (6%)
	Fruits & Nuts (9%)	Building Construction (4%)
	Spice & Drug Crops (6%)	Sugar, Chocolate, Confection (4%)
	Basic Iron & Steel (6%)	Cereal Products (4%)
	Sugar Beet & Cane (5%)	Food Products & Other Feeds (4%)
	Other Crops (3%)	Furniture & Other Manufacturing (4%)
	Basic Organic Chemicals (3%)	Government Services (4%)
	Maize (2%)	Other Transport Equipment (3%)

Table 19.

Top economic sectors driving spillovers in **South Korea**, by source industry and products imported for final consumption

	Source industries in foreign countries	Products imported for final consumption
GHG Emissions	<ul style="list-style-type: none"> Gas Extraction (19%) Electricity (18%) Hard Coal (8%) Basic Organic Chemicals (5%) Cattle (4%) Textiles & Clothing (4%) Basic Inorganic Chemicals (3%) Other Animals & Services to Ag. (3%) Road Transport (3%) Petroleum Extraction (3%) 	<ul style="list-style-type: none"> Civil Engineering Construction (10%) Textiles & Clothing (9%) Electronics & Precision Instruments (6%) Machinery & Equipment (6%) Electricity (6%) Health & Social Work Activities (6%) Hospitality (5%) Motor Vehicles & Trailers (4%) Food Products & Other Feeds (3%) Professional, Science & Tech Services (3%)
Deforestation	<ul style="list-style-type: none"> Forestry & Logging (62%) Cattle (7%) Leguminous Crops & Oil Seeds (7%) Maize (6%) Other Animals & Services to Ag. (4%) Fruits & Nuts (3%) Beverage Crops (3%) Sheep (2%) Wheat (1%) Rice (1%) 	<ul style="list-style-type: none"> Forestry & Logging (28%) Civil Engineering Construction (10%) Hospitality (7%) Food Products & Other Feeds (5%) Textiles & Clothing (4%) Building Construction (3%) Health & Social Work Activities (3%) Furniture & Other Manufacturing (3%) Maize (2%) Education (2%)
Water Stress	<ul style="list-style-type: none"> Leguminous Crops & Oil Seeds (19%) Wheat (17%) Other Crops (11%) Rice (10%) Maize (6%) Basic Iron & Steel (4%) Basic Organic Chemicals (3%) Fruits & Nuts (3%) Sugar Beet & Cane (2%) Other Animals & Services to Ag. (2%) 	<ul style="list-style-type: none"> Food Products & Other Feeds (17%) Textiles & Clothing (10%) Hospitality (7%) Rice (6%) Civil Engineering Construction (4%) Other Crops (4%) Health & Social Work Activities (4%) Wheat (3%) Vegetable Products (3%) Leguminous Crops & Oil Seeds (3%)

Table 20.

Top economic sectors driving spillovers in the **United States**, by source industry and products imported for final consumption

	Source industries in foreign countries	Products imported for final consumption
GHG Emissions	Electricity (22%)	Textiles & Clothing (10%)
	Gas Extraction (9%)	Motor Vehicles & Trailers (8%)
	Textiles & Clothing (6%)	Electronics & Precision Instruments (8%)
	Basic Organic Chemicals (5%)	Government Services (6%)
	Road Transport (5%)	Furniture & Other Manufacturing (6%)
	Electronics & Precision Instruments (5%)	Building Construction (5%)
	Hard Coal (4%)	Machinery & Equipment (5%)
	Basic Inorganic Chemicals (3%)	Health & Social Work Activities (4%)
	Other Animals & Services to Ag. (3%)	Wholesale & Retail; Vehicle Repair (3%)
	Machinery & Equipment (3%)	Pharmaceuticals & Medicinal Products (3%)
Deforestation	Forestry & Logging (68%)	Forestry & Logging (18%)
	Cattle (8%)	Building Construction (9%)
	Other Animals & Services to Ag. (6%)	Furniture & Other Manufacturing (6%)
	Fruits & Nuts (4%)	Sawmill Products (5%)
	Beverage Crops (4%)	Government Services (4%)
	Leguminous Crops & Oil Seeds (3%)	Health & Social Work Activities (3%)
	Sheep (2%)	Textiles & Clothing (3%)
	Maize (1%)	Pulp & Paper (3%)
	Other Crops (1%)	Food Products & Other Feeds (3%)
	Sugar Beet & Cane (1%)	Beverage Crops (3%)
Water Stress	Leguminous Crops & Oil Seeds (16%)	Textiles & Clothing (17%)
	Wheat (12%)	Food Products & Other Feeds (8%)
	Spice & Drug Crops (7%)	Furniture & Other Manufacturing (4%)
	Other Crops (6%)	Fruit Products (4%)
	Basic Iron & Steel (6%)	Motor Vehicles & Trailers (4%)
	Fruits & Nuts (6%)	Government Services (4%)
	Sugar Beet & Cane (5%)	Electronics & Precision Instruments (4%)
	Basic Organic Chemicals (4%)	Alcoholic & Other Beverages (3%)
	Rice (4%)	Vegetable Products (3%)
	Maize (3%)	Health & Social Work Activities (3%)

Table 21.

Top economic sectors driving spillovers in **Vietnam**, by source industry and products imported for final consumption

	Source industries in foreign countries	Products imported for final consumption
GHG Emissions	Cattle (17%)	Civil Engineering Construction (10%)
	Electricity (16%)	Pork (8%)
	Other Animals & Services to Ag. (9%)	Waste Services (6%)
	Waste Services (7%)	Materials Recovery (5%)
	Gas Extraction (5%)	Cereal Products (5%)
	Hard Coal (5%)	Building Construction (4%)
	Basic Organic Chemicals (4%)	Cattle (3%)
	Maize (3%)	Crustaceans & Mollusks (3%)
	Road Transport (2%)	Machinery & Equipment (3%)
	Basic Inorganic Chemicals (2%)	Motor Vehicles & Trailers (3%)
Deforestation	Cattle (28%)	Pork (13%)
	Forestry & Logging (26%)	Beverage Crops (7%)
	Maize (13%)	Cereal Products (6%)
	Fruits & Nuts (8%)	Hospitality (6%)
	Beverage Crops (8%)	Civil Engineering Construction (5%)
	Leguminous Crops & Oil Seeds (5%)	Alcoholic & Other Beverages (4%)
	Other Animals & Services to Ag. (3%)	Dairy Products (4%)
	Vegetables, Roots, Tubers (2%)	Poultry Meat (3%)
	Fiber Crops (2%)	Forestry & Logging (3%)
	Vegetable Products (2%)	Rice (3%)
Water Stress	Spice & Drug Crops (17%)	Pork (15%)
	Leguminous Crops & Oil Seeds (17%)	Cereal Products (9%)
	Fruits & Nuts (11%)	Spice & Drug Crops (6%)
	Wheat (11%)	Food Products & Other Feeds (5%)
	Sugar Beet & Cane (8%)	Hospitality (5%)
	Cattle (4%)	Civil Engineering Construction (3%)
	Other Animals & Services to Ag. (4%)	Cattle (3%)
	Basic Iron & Steel (4%)	Alcoholic & Other Beverages (3%)
	Fiber Crops (3%)	Poultry Meat (3%)
	Basic Organic Chemicals (2%)	Crustaceans & Mollusks (3%)

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Part 5.

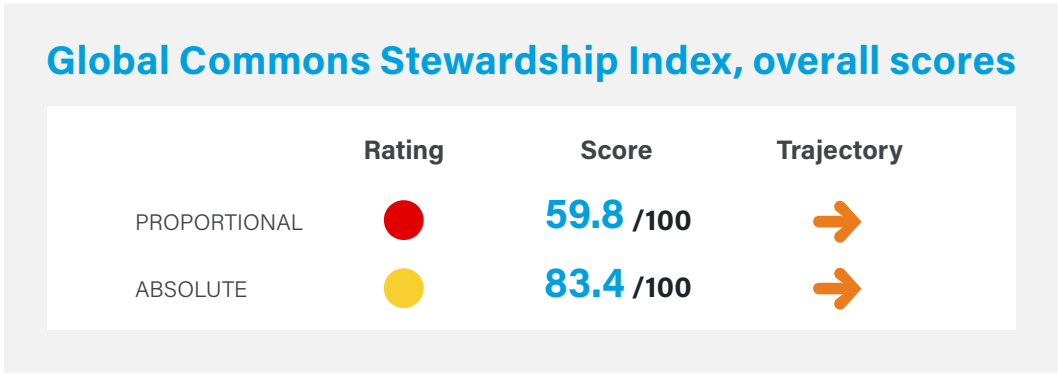
**COUNTRY
PROFILES**



Albania

Eastern Europe and Central Asia

Land area	27,400 sq. km	Population	2.8 million
GDP (PPP, constant 2017 US\$, billions)	\$37.7	GDP per capita	\$13,295
Human Development Index (HDI)	0.796	HDI category	High



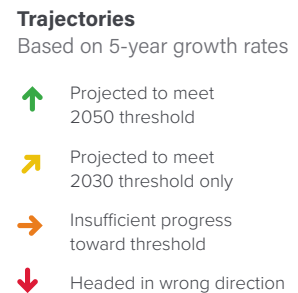
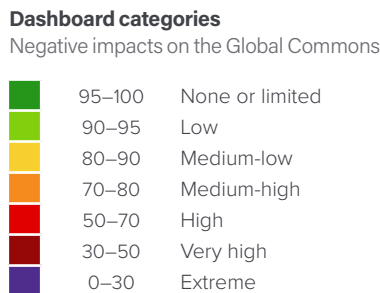
Impacts by pillar and sub-pillar

Proportional scores and trajectories



The Global Commons Stewardship Index

The Global Commons Stewardship Index is a production of the Sustainable Development Solutions Network, the Yale Center for Environmental Law & Policy, and the Center for Global Commons at the University of Tokyo.



Albania

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	3.94	kg/capita	65.3	● ↓	11.30	Gg 2018
Spillover SO ₂ emissions	2.89	kg/capita	61.6	● ↑	8.33	Gg 2015
Domestic NO _x emissions	8.73	kg/capita	92.1	● ↓	25.04	Gg 2018
Spillover NO _x emissions	2.54	kg/capita	63.2	● ↑	7.31	Gg 2015
Domestic black carbon emissions	0.27	kg/capita	84.2	● ↗	0.78	Gg 2018
Spillover black carbon emissions	0.08	kg/capita	70.1	● ↗	0.24	Gg 2015
GHG Emissions						
Domestic GHG emissions	3.39	t CO ₂ e/capita	79.5	● ↓	9.68	Tg 2019
Spillover GHG emissions	2.10	t CO ₂ e/capita	54.0	● ↓	6.02	Tg 2018
CO ₂ emissions embodied in fossil fuel exports	NA	t CO ₂ e/capita	NA	● ●	NA	Tg NA
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	50.49	%	51.2	● ↓	50.49	% 2020
Unprotected freshwater biodiversity sites	96.61	%	4.5	● ↓	96.61	% 2020
Domestic land use related biodiversity loss	1.32 × 10 ⁻¹¹	global PDF/capita	82.5	● →	3.78 × 10 ⁻⁵	global PDF 2018
Spillover land use related biodiversity loss	4.27 × 10 ⁻¹²	global PDF/capita	77.5	● ↓	1.22 × 10 ⁻⁵	global PDF 2018
Domestic freshwater biodiversity threats	5.43	spp./million	1.0	● ●	15.64	species 2018
Spillover freshwater biodiversity threats	0.13	spp./million	32.1	● ●	0.39	species 2018
Domestic deforestation	0.17	%	86.9	● ↓	1.03 × 10 ³	hectares 2020
Spillover deforestation	1.12 × 10 ⁻³	ha/capita	85.7	● ↓	3.21 × 10 ³	hectares 2018
Red List Index of species survival	0.84	scale 0 to 1	52.8	● ↓	0.84	scale 0 to 1 2021
Biodiversity Habitat Index	0.35	scale 0 to 1	9.2	● ●	0.35	scale 0 to 1 2020
Domestic export of endangered terrestrial animals	0.00	WOE/million	100.0	● ●	0.00	WOE 2019
Spillover endangered terrestrial animals	0.00	WOE/capita	100.0	● ●	0.00	WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE 2019
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE 2019
Unprotected marine biodiversity sites	70.70	%	30.0	● ↓	70.70	% 2020
Domestic marine biodiversity threats	0.14	spp./million	56.9	● ●	0.41	species 2018
Spillover marine biodiversity threats	0.05	spp./million	40.3	● ●	0.14	species 2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	● ●	NA	% NA
Fish caught by trawling	84.35	%	1.0	● ↓	84.35	% 2018
Domestic vulnerable fisheries catch	9.53	tonnes/capita	38.8	● →	0.03	Tg 2018
Spillover vulnerable fisheries catch	5.12	tonnes/capita	45.4	● ↓	0.01	tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.83	scale 0 to 1.4	28.9	● →	0.83	scale 0 to 1.4 2015
Domestic nitrogen surplus	21.26	kg/capita	40.1	● ↓	61.24	Gg 2015
Spillover nitrogen surplus	1.41	kg/capita	53.5	● →	4.05	Tg 2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt NA
Spillover phosphorus fertilizer	1.78	g/capita	51.3	● ↓	5.11	kt 2018
Water Cycle						
Domestic scarce water consumption	10.42	m ³ H ₂ O-eq./capita	35.9	● ↓	29.86	Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	11.64	m ³ H ₂ O-eq./capita	78.3	● ↓	358.67	Mm ³ H ₂ O-eq. 2018
Domestic water stress	1.97	ML H ₂ O-eq./capita	27.7	● ↓	5.64	Bm ³ H ₂ O-eq. 2018
Spillover water stress	0.59	m ³ H ₂ O-eq./capita	71.7	● ↓	18.33	Mm ³ H ₂ O-eq. 2018

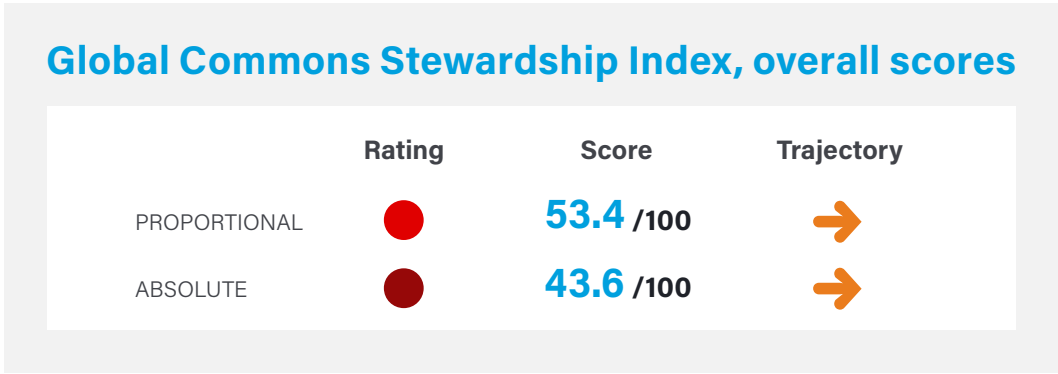
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Algeria

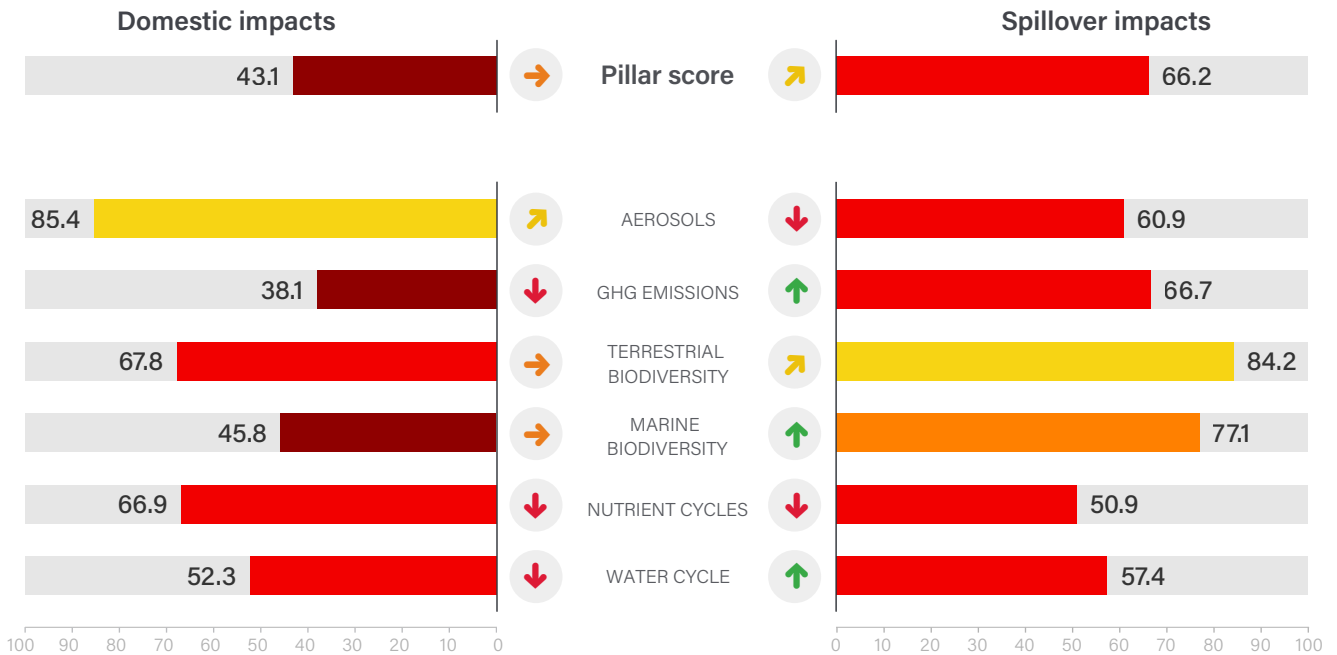
Middle East and North Africa

Land area	2,381,741 sq. km	Population	43.9 million
GDP (PPP, constant 2017 US\$, billions)	\$468.4	GDP per capita	\$10,682
Human Development Index (HDI)	0.745	HDI category	High



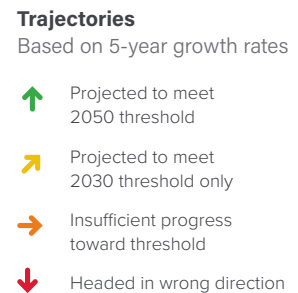
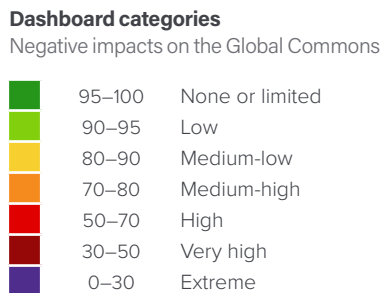
Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Algeria

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	1.32	kg/capita	NA	●	↑	55.76 Gg 2018
Spillover SO ₂ emissions	2.85	kg/capita	62.0	●	↓	113.21 Gg 2015
Domestic NO _x emissions	13.60	kg/capita	82.2	●	↓	574.28 Gg 2018
Spillover NO _x emissions	3.02	kg/capita	58.6	●	↓	119.80 Gg 2015
Domestic black carbon emissions	0.28	kg/capita	83.9	●	↑	11.64 Gg 2018
Spillover black carbon emissions	0.11	kg/capita	62.1	●	↓	4.35 Gg 2015
GHG Emissions						
Domestic GHG emissions	6.45	t CO ₂ e/capita	54.6	●	↓	277.57 Tg 2019
Spillover GHG emissions	1.34	t CO ₂ e/capita	66.7	●	↑	56.39 Tg 2018
CO ₂ emissions embodied in fossil fuel exports	3.11	t CO ₂ e/capita	13.0	●	●	128.76 Tg 2017
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	36.47	%	65.4	●	↓	36.47 % 2020
Unprotected freshwater biodiversity sites	76.27	%	25.5	●	↓	76.27 % 2020
Domestic land use related biodiversity loss	2.71 × 10 ⁻¹³	global PDF/capita	99.7	●	↗	1.14 × 10 ⁻⁵ global PDF 2018
Spillover land use related biodiversity loss	2.51 × 10 ⁻¹²	global PDF/capita	88.0	●	↑	1.06 × 10 ⁻⁴ global PDF 2018
Domestic freshwater biodiversity threats	0.16	spp./million	48.9	●	●	6.86 species 2018
Spillover freshwater biodiversity threats	0.02	spp./million	64.9	●	●	0.80 species 2018
Domestic deforestation	0.98	%	26.5	●	↓	8.05 × 10 ³ hectares 2020
Spillover deforestation	9.69 × 10 ⁻⁴	ha/capita	87.9	●	→	4.09 × 10 ⁴ hectares 2018
Red List Index of species survival	0.91	scale 0 to 1	75.6	●	↓	0.91 scale 0 to 1 2021
Biodiversity Habitat Index	0.60	scale 0 to 1	44.5	●	●	0.60 scale 0 to 1 2020
Domestic export of endangered terrestrial animals	7.74 × 10 ⁻⁹	WOE/million	100.0	●	●	3.33 × 10 ⁻¹ WOE 2019
Spillover endangered terrestrial animals	8.83 × 10 ⁻⁷	WOE/capita	100.0	●	●	3.80 × 10 WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	0.00	WOE/million	100.0	●	●	0.00 WOE 2019
Spillover endangered marine animals	2.82 × 10 ⁻⁵	WOE/capita	98.2	●	●	1.22 × 10 ³ WOE 2019
Unprotected marine biodiversity sites	76.58	%	24.2	●	↓	76.58 % 2020
Domestic marine biodiversity threats	0.58	spp./million	37.4	●	●	24.66 species 2018
Spillover marine biodiversity threats	0.00	spp./million	70.0	●	●	0.19 species 2018
Fish caught from overexploited or collapsed stocks	19.59	%	68.8	●	↓	19.59 % 2018
Fish caught by trawling	21.39	%	65.2	●	↓	21.39 % 2018
Domestic vulnerable fisheries catch	8.44	tonnes/capita	40.4	●	→	0.36 Tg 2018
Spillover vulnerable fisheries catch	1.44	tonnes/capita	66.6	●	↑	0.06 tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.71	scale 0 to 1.4	39.7	●	→	0.71 scale 0 to 1.4 2015
Domestic nitrogen surplus	1.44	kg/capita	97.2	●	↓	57.06 Gg 2015
Spillover nitrogen surplus	0.94	kg/capita	61.1	●	↓	37.38 Tg 2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	●	●	NA kt NA
Spillover phosphorus fertilizer	2.38	g/capita	42.5	●	↓	100.32 kt 2018
Water Cycle						
Domestic scarce water consumption	2.35	m ³ H ₂ O-eq./capita	52.6	●	↓	99.17 Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	46.29	m ³ H ₂ O-eq./capita	42.4	●	↑	132.68 Mm ³ H ₂ O-eq. 2018
Domestic water stress	0.33	ML H ₂ O-eq./capita	50.8	●	↓	13.83 Bm ³ H ₂ O-eq. 2018
Spillover water stress	2.01	m ³ H ₂ O-eq./capita	40.1	●	↑	5.77 Mm ³ H ₂ O-eq. 2018

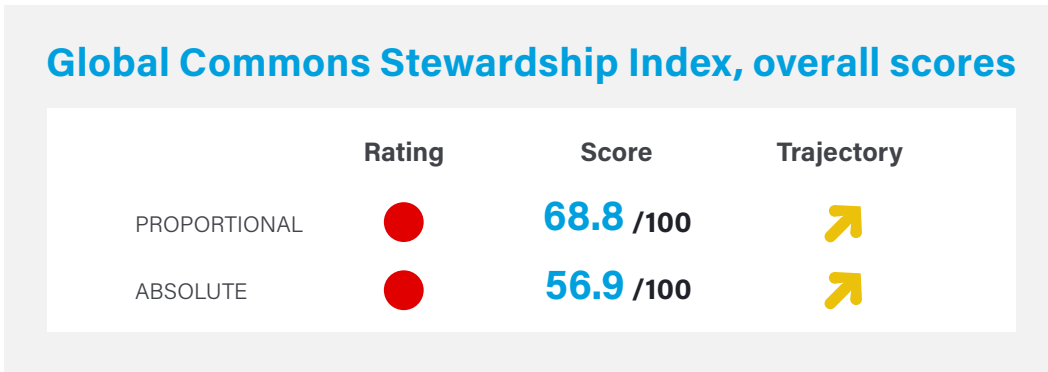
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Angola

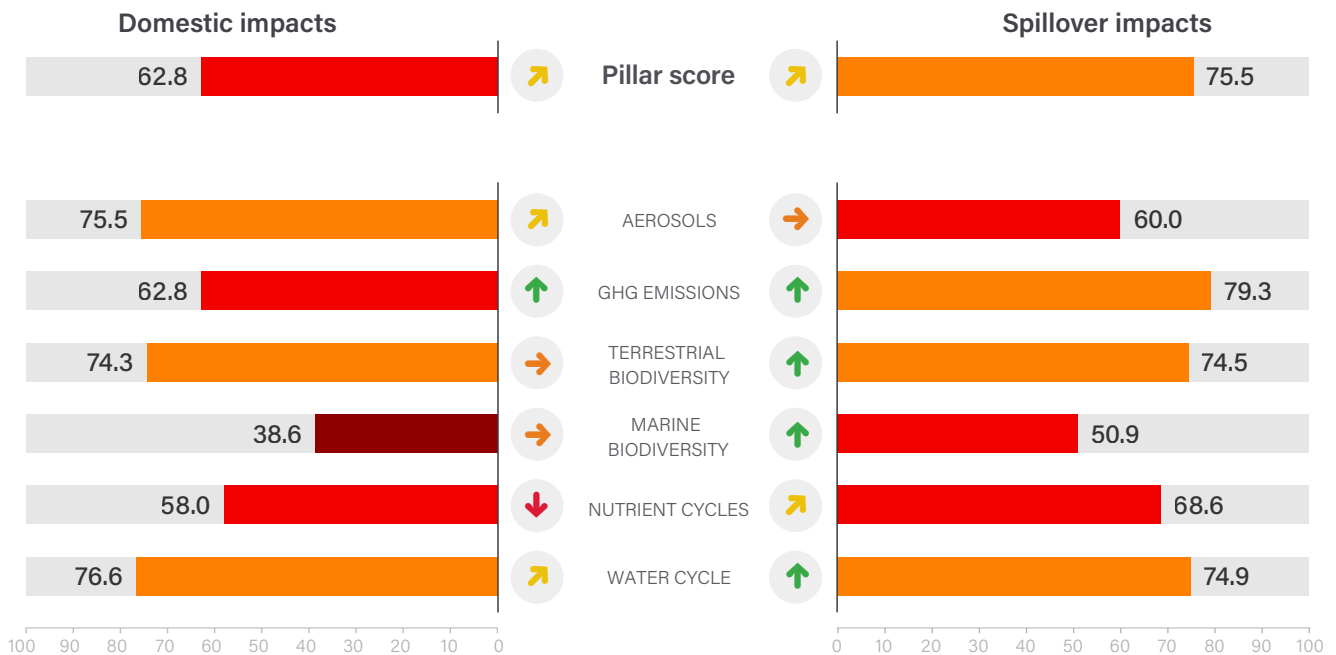
Africa

Land area	1,246,700 sq. km	Population	32.9 million
GDP (PPP, constant 2017 US\$, billions)	\$203.7	GDP per capita	\$6,198
Human Development Index (HDI)	0.586	HDI category	Medium



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

95–100	None or limited
90–95	Low
80–90	Medium-low
70–80	Medium-high
50–70	High
30–50	Very high
0–30	Extreme

Trajectories

Based on 5-year growth rates

↕	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↘	Headed in wrong direction

Angola

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	2.92	kg/capita	72.2	● ↑	89.98	Gg	2018
Spillover SO ₂ emissions	2.80	kg/capita	62.5	● →	78.18	Gg	2015
Domestic NO _x emissions	5.29	kg/capita	99.2	● ↑	162.89	Gg	2018
Spillover NO _x emissions	3.29	kg/capita	56.3	● ↓	91.63	Gg	2015
Domestic black carbon emissions	0.54	kg/capita	60.1	● →	16.62	Gg	2018
Spillover black carbon emissions	0.11	kg/capita	61.4	● ↗	3.14	Gg	2015
GHG Emissions							
Domestic GHG emissions	3.16	t CO ₂ e/capita	82.2	● ↑	100.70	Tg	2019
Spillover GHG emissions	0.85	t CO ₂ e/capita	79.3	● ↑	26.23	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	0.12	t CO ₂ e/capita	28.0	● ●	3.69	Tg	2019
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	28.05	%	73.9	● ↓	28.05	%	2020
Unprotected freshwater biodiversity sites	42.83	%	60.1	● ↓	42.83	%	2020
Domestic land use related biodiversity loss	2.35 × 10 ⁻¹²	global PDF/capita	96.9	● →	7.26 × 10 ⁻⁵	global PDF	2018
Spillover land use related biodiversity loss	2.40 × 10 ⁻¹²	global PDF/capita	88.7	● ↑	7.40 × 10 ⁻⁵	global PDF	2018
Domestic freshwater biodiversity threats	0.87	spp./million	26.0	● ●	26.77	species	2018
Spillover freshwater biodiversity threats	0.04	spp./million	50.9	● ●	1.35	species	2018
Domestic deforestation	0.41	%	69.4	● ↓	2.19 × 10 ⁵	hectares	2020
Spillover deforestation	2.32 × 10 ⁻³	ha/capita	68.1	● ↑	7.14 × 10 ⁴	hectares	2018
Red List Index of species survival	0.93	scale 0 to 1	81.5	● ↗	0.93	scale 0 to 1	2021
Biodiversity Habitat Index	0.61	scale 0 to 1	47.0	● ●	0.61	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	3.14 × 10 ⁻⁸	WOE/million	100.0	● ●	1.00	WOE	2019
Spillover endangered terrestrial animals	1.89 × 10 ⁻⁷	WOE/capita	100.0	● ●	6.00	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE	2019
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE	2019
Unprotected marine biodiversity sites	66.58	%	34.1	● ↓	66.58	%	2020
Domestic marine biodiversity threats	1.34	spp./million	25.8	● ●	41.40	species	2018
Spillover marine biodiversity threats	0.19	spp./million	22.4	● ●	5.88	species	2018
Fish caught from overexploited or collapsed stocks	11.52	%	81.7	● →	11.52	%	2018
Fish caught by trawling	26.84	%	56.2	● →	26.84	%	2018
Domestic vulnerable fisheries catch	51.97	tonnes/capita	16.5	● →	1.60	Tg	2018
Spillover vulnerable fisheries catch	2.28	tonnes/capita	58.9	● ↑	0.07	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	0.93	scale 0 to 1.4	19.8	● ↓	0.93	scale 0 to 1.4	2015
Domestic nitrogen surplus	2.17	kg/capita	95.1	● ↓	60.54	Gg	2015
Spillover nitrogen surplus	0.74	kg/capita	65.7	● ↓	20.60	Tg	2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt	NA
Spillover phosphorus fertilizer	0.93	g/capita	71.5	● ↑	28.61	kt	2018
Water Cycle							
Domestic scarce water consumption	0.31	m ³ H ₂ O-eq./capita	75.3	● ↗	9.63	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	154.14	m ³ H ₂ O-eq./capita	11.1	● ↑	1,484.49	Mm ³ H ₂ O-eq.	2018
Domestic water stress	0.03	ML H ₂ O-eq./capita	82.1	● ↗	0.89	Bm ³ H ₂ O-eq.	2018
Spillover water stress	8.66	m ³ H ₂ O-eq./capita	2.4	● ↑	83.44	Mm ³ H ₂ O-eq.	2018

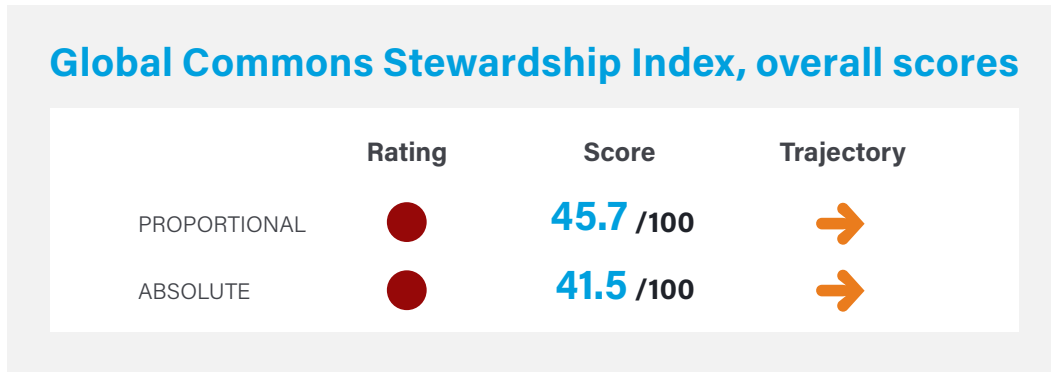
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Argentina

Latin America and Caribbean

Land area	2,736,690 sq. km	Population	45.4 million
GDP (PPP, constant 2017 US\$, billions)	\$893.3	GDP per capita	\$19,687
Human Development Index (HDI)	0.842	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

95–100	None or limited
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0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Argentina

Performance by Indicator

Indicator	Proportional			Absolute		
	Value	Units	Score	Value	Units	Year
Aerosols						
Domestic SO ₂ emissions	6.90	kg/capita	52.4	●	↑	30714 Gg 2018
Spillover SO ₂ emissions	2.96	kg/capita	61.0	●	→	12772 Gg 2015
Domestic NO _x emissions	17.80	kg/capita	73.6	●	→	792.14 Gg 2018
Spillover NO _x emissions	3.71	kg/capita	53.1	●	→	160.19 Gg 2015
Domestic black carbon emissions	0.70	kg/capita	45.2	●	→	31.34 Gg 2018
Spillover black carbon emissions	0.16	kg/capita	52.1	●	→	6.78 Gg 2015
GHG Emissions						
Domestic GHG emissions	10.72	t CO ₂ e/capita	34.8	●	→	481.94 Tg 2019
Spillover GHG emissions	1.56	t CO ₂ e/capita	62.4	●	↓	69.26 Tg 2018
CO ₂ emissions embodied in fossil fuel exports	0.20	t CO ₂ e/capita	25.4	●	●	9.28 Tg 2020
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	32.14	%	69.8	●	↓	32.14 % 2020
Unprotected freshwater biodiversity sites	42.51	%	60.4	●	↓	42.51 % 2020
Domestic land use related biodiversity loss	2.60 × 10 ⁻¹¹	global PDF/capita	65.4	●	→	1.16 × 10 ⁻³ global PDF 2018
Spillover land use related biodiversity loss	1.22 × 10 ⁻¹²	global PDF/capita	95.7	●	↓	5.45 × 10 ⁻⁵ global PDF 2018
Domestic freshwater biodiversity threats	0.21	spp./million	45.6	●	●	9.17 species 2018
Spillover freshwater biodiversity threats	0.03	spp./million	55.1	●	●	1.51 species 2018
Domestic deforestation	0.44	%	67.2	●	→	1.68 × 10 ⁵ hectares 2020
Spillover deforestation	3.33 × 10 ⁻⁴	ha/capita	97.2	●	↓	1.48 × 10 ⁴ hectares 2018
Red List Index of species survival	0.84	scale 0 to 1	55.1	●	↓	0.84 scale 0 to 1 2021
Biodiversity Habitat Index	0.43	scale 0 to 1	21.1	●	●	0.43 scale 0 to 1 2020
Domestic export of endangered terrestrial animals	5.37 × 10 ⁻³	WOE/million	44.0	●	●	2.41 × 10 ⁵ WOE 2019
Spillover endangered terrestrial animals	1.45 × 10 ⁻⁶	WOE/capita	100.0	●	●	6.50 × 10 WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	0.00	WOE/million	100.0	●	●	0.00 WOE 2019
Spillover endangered marine animals	1.45 × 10 ⁻⁵	WOE/capita	99.1	●	●	6.53 × 10 ² WOE 2019
Unprotected marine biodiversity sites	42.33	%	58.1	●	↓	42.33 % 2020
Domestic marine biodiversity threats	0.78	spp./million	33.5	●	●	34.39 species 2018
Spillover marine biodiversity threats	0.04	spp./million	43.9	●	●	1.58 species 2018
Fish caught from overexploited or collapsed stocks	60.99	%	2.6	●	↓	60.99 % 2018
Fish caught by trawling	34.37	%	43.8	●	→	34.37 % 2018
Domestic vulnerable fisheries catch	21.87	tonnes/capita	27.9	●	→	0.97 Tg 2018
Spillover vulnerable fisheries catch	1.06	tonnes/capita	71.7	●	↑	0.05 tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.32	scale 0 to 1.4	73.4	●	→	0.32 scale 0 to 1.4 2015
Domestic nitrogen surplus	50.01	kg/capita	1.0	●	↓	2,156.92 Gg 2015
Spillover nitrogen surplus	2.76	kg/capita	40.7	●	↓	118.83 Tg 2015
Domestic phosphorus fertilizer	15.49	kg/capita	19.1	●	↓	689.06 kt 2018
Spillover phosphorus fertilizer	0.68	g/capita	81.1	●	↓	30.35 kt 2018
Water Cycle						
Domestic scarce water consumption	1.64	m ³ H ₂ O-eq./capita	56.7	●	↗	72.92 Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	5.01	m ³ H ₂ O-eq./capita	100.0	●	↓	222.71 Mm ³ H ₂ O-eq. 2018
Domestic water stress	1.88	ML H ₂ O-eq./capita	28.2	●	→	83.80 Bm ³ H ₂ O-eq. 2018
Spillover water stress	0.30	m ³ H ₂ O-eq./capita	89.4	●	↓	13.34 Mm ³ H ₂ O-eq. 2018

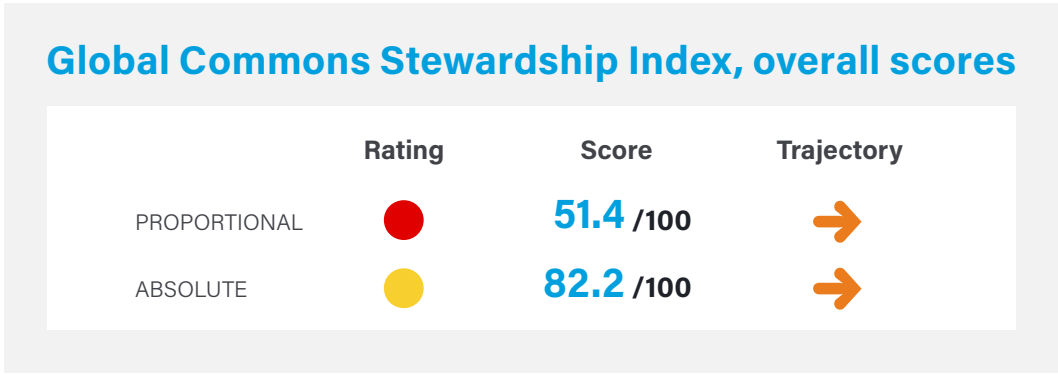
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Armenia

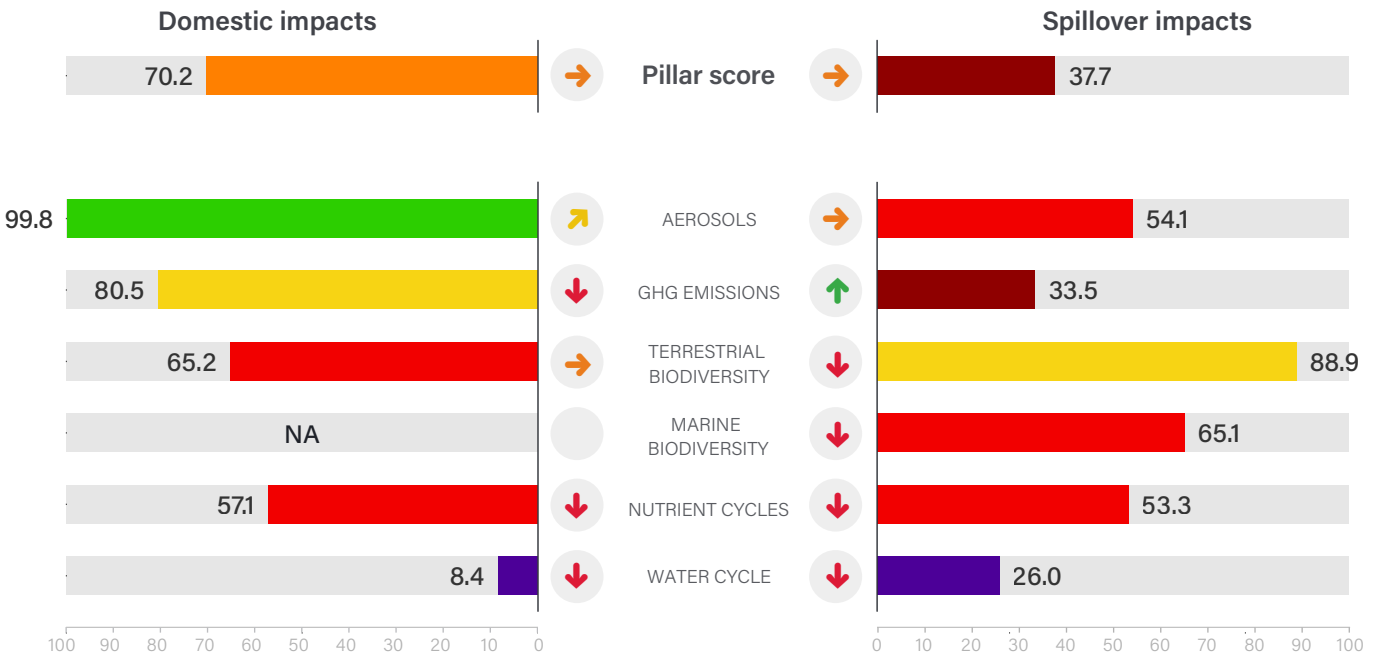
Eastern Europe and Central Asia

Land area	28,470 sq. km	Population	3.0 million
GDP (PPP, constant 2017 US\$, billions)	\$37.3	GDP per capita	\$12,593
Human Development Index (HDI)	0.759	HDI category	High



Impacts by pillar and sub-pillar

Proportional scores and trajectories

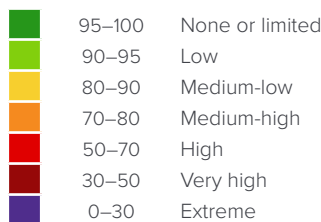


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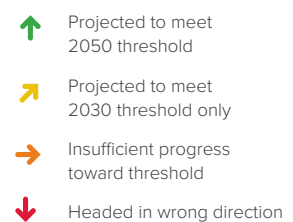
Dashboard categories

Negative impacts on the Global Commons



Trajectories

Based on 5-year growth rates



Armenia

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	0.27	kg/capita	100.0	● ↓	0.80	Gg 2018
Spillover SO ₂ emissions	3.94	kg/capita	53.1	● →	11.51	Gg 2015
Domestic NO _x emissions	5.21	kg/capita	99.4	● ↑	15.37	Gg 2018
Spillover NO _x emissions	4.83	kg/capita	46.1	● ↓	14.13	Gg 2015
Domestic black carbon emissions	0.04	kg/capita	100.0	● ↑	0.12	Gg 2018
Spillover black carbon emissions	0.10	kg/capita	64.9	● ↓	0.29	Gg 2015
GHG Emissions						
Domestic GHG emissions	3.31	t CO ₂ e/capita	80.5	● ↓	9.78	Tg 2019
Spillover GHG emissions	4.35	t CO ₂ e/capita	33.5	● ↑	12.83	Tg 2018
CO ₂ emissions embodied in fossil fuel exports	NA	t CO ₂ e/capita	NA	● ●	NA	Tg NA
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	22.57	%	79.5	● ↓	22.57	% 2020
Unprotected freshwater biodiversity sites	30.53	%	72.8	● ↓	30.53	% 2020
Domestic land use related biodiversity loss	1.02 × 10 ⁻¹¹	global PDF/capita	86.5	● →	3.00 × 10 ⁻⁵	global PDF 2018
Spillover land use related biodiversity loss	3.02 × 10 ⁻¹²	global PDF/capita	85.0	● →	8.90 × 10 ⁻⁶	global PDF 2018
Domestic freshwater biodiversity threats	0.07	spp./million	60.9	● ●	0.20	species 2018
Spillover freshwater biodiversity threats	0.00	spp./million	95.2	● ●	0.01	species 2018
Domestic deforestation	0.00	%	99.9	● ↑	2.26	hectares 2020
Spillover deforestation	6.95 × 10 ⁻⁴	ha/capita	91.9	● ↓	2.05 × 10 ³	hectares 2018
Red List Index of species survival	0.83	scale 0 to 1	50.9	● →	0.83	scale 0 to 1 2021
Biodiversity Habitat Index	0.43	scale 0 to 1	20.9	● ●	0.43	scale 0 to 1 2020
Domestic export of endangered terrestrial animals	2.25 × 10 ⁻⁷	WOE/million	100.0	● ●	6.67 × 10 ⁻¹	WOE 2019
Spillover endangered terrestrial animals	1.36 × 10 ⁻³	WOE/capita	84.1	● ●	4.01 × 10 ³	WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	NA	WOE/million	NA	● ●	NA	WOE NA
Spillover endangered marine animals	9.30 × 10 ⁻⁵	WOE/capita	94.1	● ●	2.75 × 10 ²	WOE 2019
Unprotected marine biodiversity sites	NA	%	NA	● ●	NA	% NA
Domestic marine biodiversity threats	NA	spp./million	NA	● ●	NA	species NA
Spillover marine biodiversity threats	0.01	spp./million	66.9	● ●	0.02	species 2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	● ●	NA	% NA
Fish caught by trawling	NA	%	NA	● ●	NA	% NA
Domestic vulnerable fisheries catch	NA	tonnes/capita	NA	● ●	NA	Tg NA
Spillover vulnerable fisheries catch	5.65	tonnes/capita	43.7	● ↓	0.02	tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.59	scale 0 to 1.4	49.9	● ↓	0.59	scale 0 to 1.4 2015
Domestic nitrogen surplus	4.51	kg/capita	88.4	● ↓	13.20	Gg 2015
Spillover nitrogen surplus	0.75	kg/capita	65.3	● ↓	2.21	Tg 2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt NA
Spillover phosphorus fertilizer	2.30	g/capita	43.5	● ↓	6.79	kt 2018
Water Cycle						
Domestic scarce water consumption	113.99	m ³ H ₂ O-eq./capita	9.0	● ↓	336.47	Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	57.53	m ³ H ₂ O-eq./capita	36.8	● ↓	169.81	Mm ³ H ₂ O-eq. 2018
Domestic water stress	10.33	ML H ₂ O-eq./capita	6.3	● ↓	30.49	Bm ³ H ₂ O-eq. 2018
Spillover water stress	4.68	m ³ H ₂ O-eq./capita	18.3	● ↓	13.81	Mm ³ H ₂ O-eq. 2018

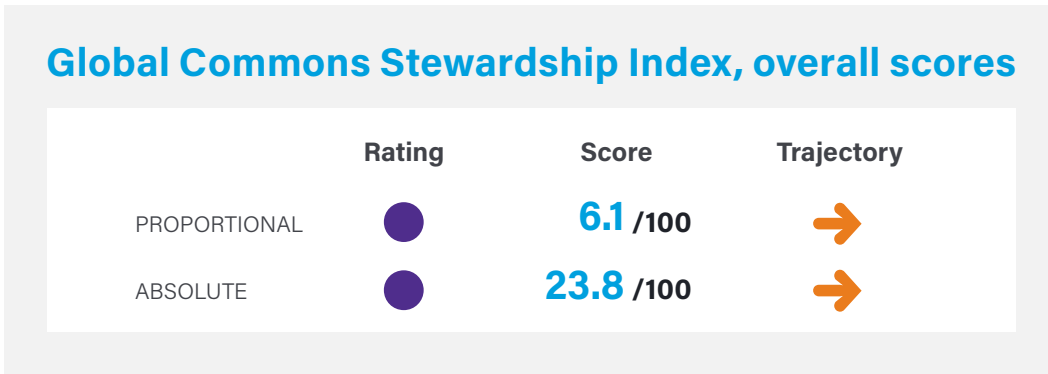
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Australia

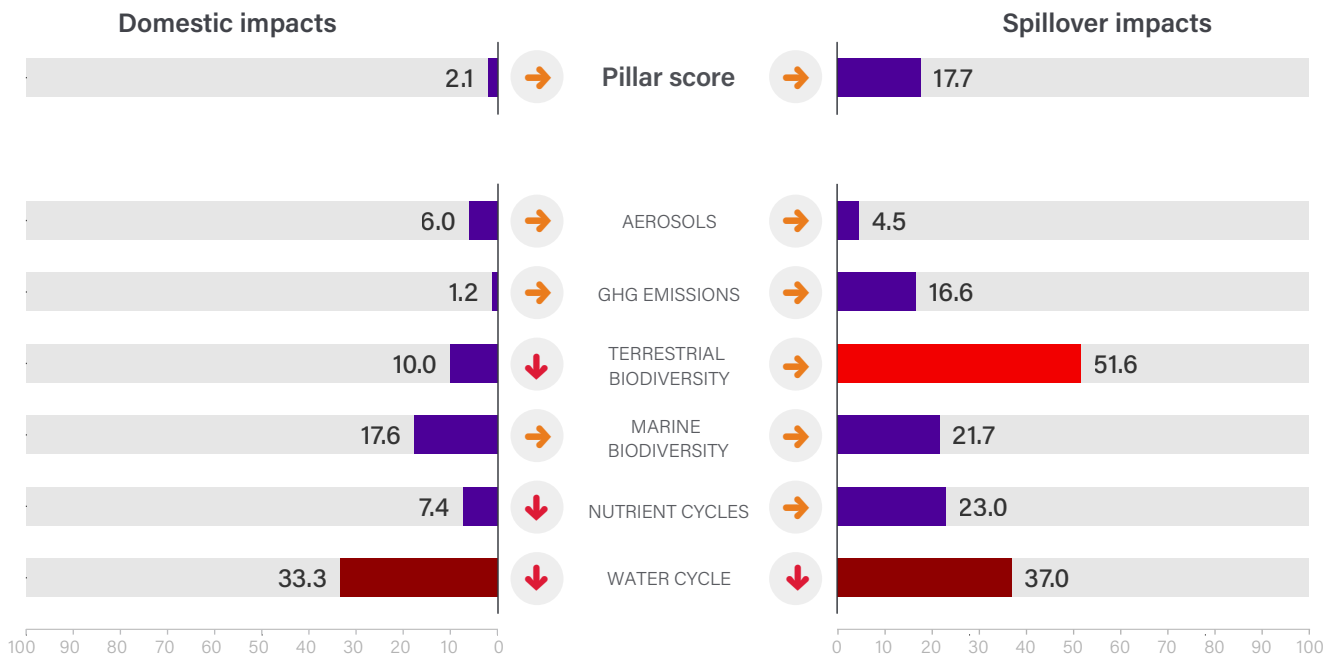
OECD Member

Land area	7,692,020 sq. km	Population	25.7 million
GDP (PPP, constant 2017 US\$, billions)	\$1,250.9	GDP per capita	\$48,698
Human Development Index (HDI)	0.951	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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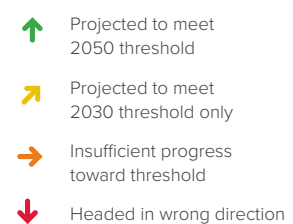
Dashboard categories

Negative impacts on the Global Commons



Trajectories

Based on 5-year growth rates



Australia

Performance by Indicator

Indicator	Proportional			Absolute			Year	
	Value	Units	Score	Value	Units	Score		
Aerosols								
Domestic SO ₂ emissions	36.14	kg/capita	14.3	●	→	902.81	Gg	2018
Spillover SO ₂ emissions	20.39	kg/capita	7.7	●	→	485.70	Gg	2015
Domestic NO _x emissions	53.04	kg/capita	1.5	●	→	1,325.12	Gg	2018
Spillover NO _x emissions	24.21	kg/capita	3.3	●	→	576.67	Gg	2015
Domestic black carbon emissions	1.09	kg/capita	10.5	●	→	27.19	Gg	2018
Spillover black carbon emissions	0.91	kg/capita	3.6	●	→	21.59	Gg	2015
GHG Emissions								
Domestic GHG emissions	25.64	t CO ₂ e/capita	1.0	●	→	650.31	Tg	2019
Spillover GHG emissions	7.95	t CO ₂ e/capita	16.6	●	→	198.56	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	37.40	t CO ₂ e/capita	1.7	●	●	960.60	Tg	2020
Terrestrial Biodiversity Loss								
Unprotected terrestrial biodiversity sites	56.61	%	45.0	●	↓	56.61	%	2020
Unprotected freshwater biodiversity sites	37.70	%	65.4	●	↓	37.70	%	2020
Domestic land use related biodiversity loss	1.55 × 10 ⁻¹⁰	global PDF/capita	1.0	●	→	3.87 × 10 ⁻³	global PDF	2018
Spillover land use related biodiversity loss	7.91 × 10 ⁻¹²	global PDF/capita	55.6	●	→	1.98 × 10 ⁻⁴	global PDF	2018
Domestic freshwater biodiversity threats	4.03	spp./million	4.9	●	●	100.22	species	2018
Spillover freshwater biodiversity threats	0.29	spp./million	18.8	●	●	7.31	species	2018
Domestic deforestation	1.32	%	1.1	●	↓	5.20 × 10 ⁵	hectares	2020
Spillover deforestation	2.35 × 10 ⁻³	ha/capita	67.6	●	↓	5.88 × 10 ⁴	hectares	2018
Red List Index of species survival	0.82	scale 0 to 1	46.9	●	↓	0.82	scale 0 to 1	2021
Biodiversity Habitat Index	0.56	scale 0 to 1	39.8	●	●	0.56	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	3.23 × 10 ⁻⁶	WOE/million	100.0	●	●	8.20 × 10	WOE	2019
Spillover endangered terrestrial animals	2.30 × 10 ⁻⁵	WOE/capita	99.7	●	●	5.84 × 10 ²	WOE	2019
Marine Biodiversity Loss								
Domestic export of endangered marine animals	2.39 × 10 ⁻²	WOE/million	1.0	●	●	6.06 × 10 ⁵	WOE	2019
Spillover endangered marine animals	4.90 × 10 ⁻⁵	WOE/capita	96.9	●	●	1.24 × 10 ³	WOE	2019
Unprotected marine biodiversity sites	64.60	%	36.0	●	↓	64.60	%	2020
Domestic marine biodiversity threats	18.21	spp./million	1.0	●	●	453.38	species	2018
Spillover marine biodiversity threats	0.78	spp./million	4.2	●	●	19.46	species	2018
Fish caught from overexploited or collapsed stocks	38.78	%	38.1	●	→	38.78	%	2018
Fish caught by trawling	15.74	%	74.4	●	→	15.74	%	2018
Domestic vulnerable fisheries catch	12.25	tonnes/capita	35.5	●	↓	0.31	Tg	2018
Spillover vulnerable fisheries catch	17.42	tonnes/capita	24.9	●	→	0.44	tonnes	2018
Nutrient Cycles								
Sustainable Nitrogen Management Index	0.63	scale 0 to 1.4	46.1	●	→	0.63	scale 0 to 1.4	2015
Domestic nitrogen surplus	29.22	kg/capita	17.2	●	↓	695.96	Gg	2015
Spillover nitrogen surplus	8.32	kg/capita	19.8	●	↓	198.11	Tg	2015
Domestic phosphorus fertilizer	38.22	kg/capita	1.0	●	→	954.83	kt	2018
Spillover phosphorus fertilizer	3.94	g/capita	26.8	●	→	98.47	kt	2018
Water Cycle								
Domestic scarce water consumption	3.98	m ³ H ₂ O-eq./capita	46.7	●	↓	99.41	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	48.37	m ³ H ₂ O-eq./capita	41.3	●	↓	1,208.47	Mm ³ H ₂ O-eq.	2018
Domestic water stress	8.63	ML H ₂ O-eq./capita	8.6	●	↓	215.68	Bm ³ H ₂ O-eq.	2018
Spillover water stress	2.63	m ³ H ₂ O-eq./capita	33.2	●	↓	65.73	Mm ³ H ₂ O-eq.	2018

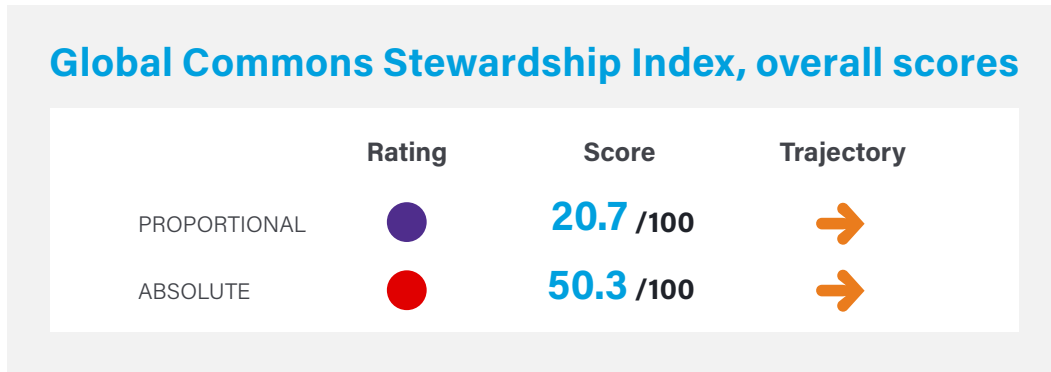
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Austria

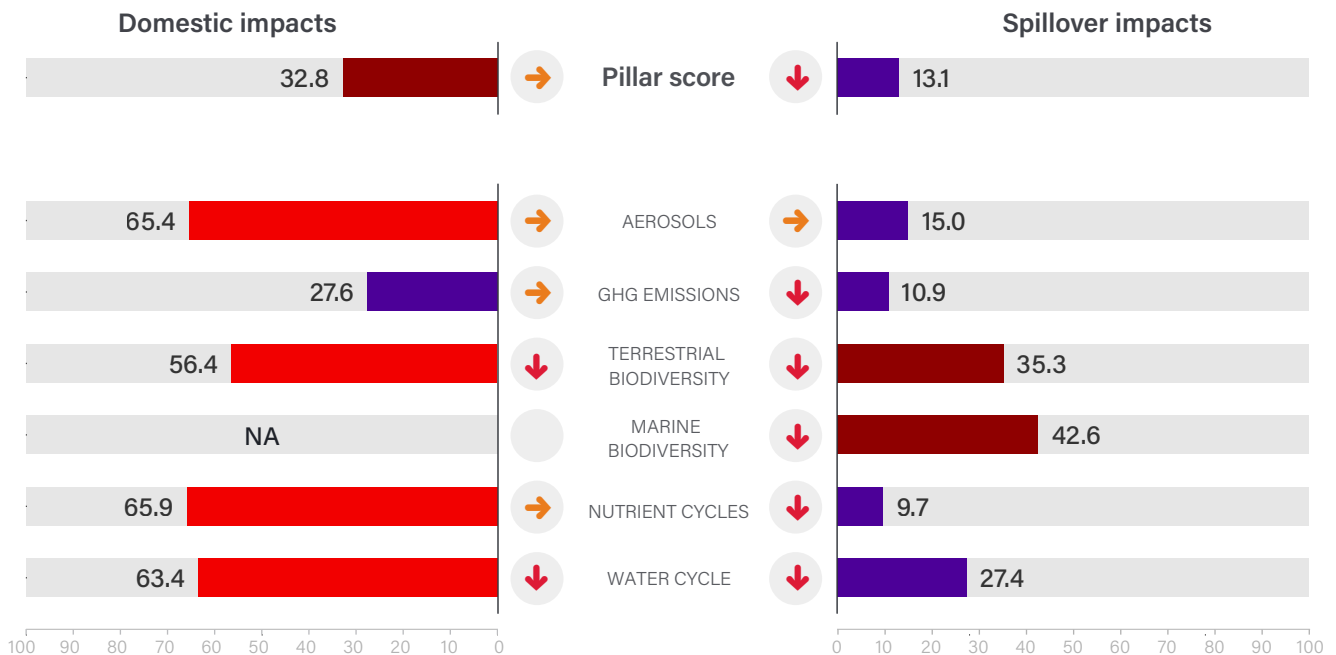
OECD Member

Land area	82,520 sq. km	Population	8.9 million
GDP (PPP, constant 2017 US\$, billions)	\$464.8	GDP per capita	\$52,120
Human Development Index (HDI)	0.916	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories

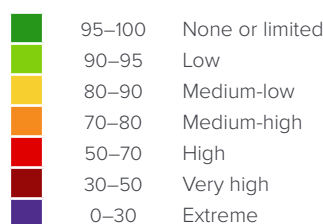


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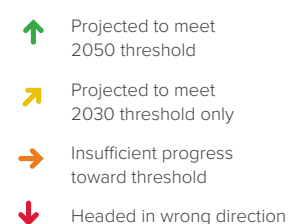
Dashboard categories

Negative impacts on the Global Commons



Trajectories

Based on 5-year growth rates



Austria

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	5.52	kg/capita	57.5	● →	48.82	Gg	2018
Spillover SO ₂ emissions	14.17	kg/capita	17.8	● →	122.47	Gg	2015
Domestic NO _x emissions	18.33	kg/capita	72.5	● →	162.05	Gg	2018
Spillover NO _x emissions	18.90	kg/capita	9.8	● →	163.33	Gg	2015
Domestic black carbon emissions	0.46	kg/capita	67.2	● ↓	4.07	Gg	2018
Spillover black carbon emissions	0.51	kg/capita	19.5	● →	4.42	Gg	2015
GHG Emissions							
Domestic GHG emissions	12.73	t CO ₂ e/capita	28.2	● →	113.01	Tg	2019
Spillover GHG emissions	9.74	t CO ₂ e/capita	10.9	● ↓	86.10	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	0.19	t CO ₂ e/capita	25.7	● ●	1.71	Tg	2020
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	67.36	%	34.1	● ↓	67.36	%	2020
Unprotected freshwater biodiversity sites	71.22	%	30.7	● ↓	71.22	%	2020
Domestic land use related biodiversity loss	5.33 × 10 ⁻¹²	global PDF/capita	92.9	● →	4.71 × 10 ⁻⁵	global PDF	2018
Spillover land use related biodiversity loss	9.27 × 10 ⁻¹²	global PDF/capita	47.5	● ↓	8.20 × 10 ⁻⁵	global PDF	2018
Domestic freshwater biodiversity threats	2.80	spp./million	9.9	● ●	24.90	species	2018
Spillover freshwater biodiversity threats	0.35	spp./million	15.7	● ●	3.15	species	2018
Domestic deforestation	0.65	%	50.9	● ↓	2.84 × 10 ⁴	hectares	2020
Spillover deforestation	5.45 × 10 ⁻³	ha/capita	22.1	● ↓	4.82 × 10 ⁴	hectares	2018
Red List Index of species survival	0.90	scale 0 to 1	71.2	● →	0.90	scale 0 to 1	2021
Biodiversity Habitat Index	0.44	scale 0 to 1	22.2	● ●	0.44	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	1.13 × 10 ⁻⁷	WOE/million	100.0	● ●	1.00	WOE	2019
Spillover endangered terrestrial animals	5.28 × 10 ⁻⁴	WOE/capita	93.8	● ●	4.69 × 10 ³	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	NA	WOE/million	NA	● ●	NA	WOE	NA
Spillover endangered marine animals	2.84 × 10 ⁻⁴	WOE/capita	81.9	● ●	2.52 × 10 ³	WOE	2019
Unprotected marine biodiversity sites	NA	%	NA	● ●	NA	%	NA
Domestic marine biodiversity threats	NA	spp./million	NA	● ●	NA	species	NA
Spillover marine biodiversity threats	0.07	spp./million	35.1	● ●	0.63	species	2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	● ●	NA	%	NA
Fish caught by trawling	NA	%	NA	● ●	NA	%	NA
Domestic vulnerable fisheries catch	NA	tonnes/capita	NA	● ●	NA	Tg	NA
Spillover vulnerable fisheries catch	15.55	tonnes/capita	26.8	● ↓	0.14	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	0.39	scale 0 to 1.4	67.3	● ↓	0.39	scale 0 to 1.4	2015
Domestic nitrogen surplus	10.49	kg/capita	71.1	● ↓	90.70	Gg	2015
Spillover nitrogen surplus	17.15	kg/capita	6.0	● ↓	148.23	Tg	2015
Domestic phosphorus fertilizer	3.22	kg/capita	61.2	● ↗	28.46	kt	2018
Spillover phosphorus fertilizer	5.63	g/capita	15.7	● ↓	49.77	kt	2018
Water Cycle							
Domestic scarce water consumption	1.15	m ³ H ₂ O-eq./capita	60.7	● ↓	10.16	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	101.29	m ³ H ₂ O-eq./capita	22.0	● ↓	895.45	Mm ³ H ₂ O-eq.	2018
Domestic water stress	0.05	ML H ₂ O-eq./capita	75.3	● ↓	0.43	Bm ³ H ₂ O-eq.	2018
Spillover water stress	2.55	m ³ H ₂ O-eq./capita	34.0	● ↓	22.57	Mm ³ H ₂ O-eq.	2018

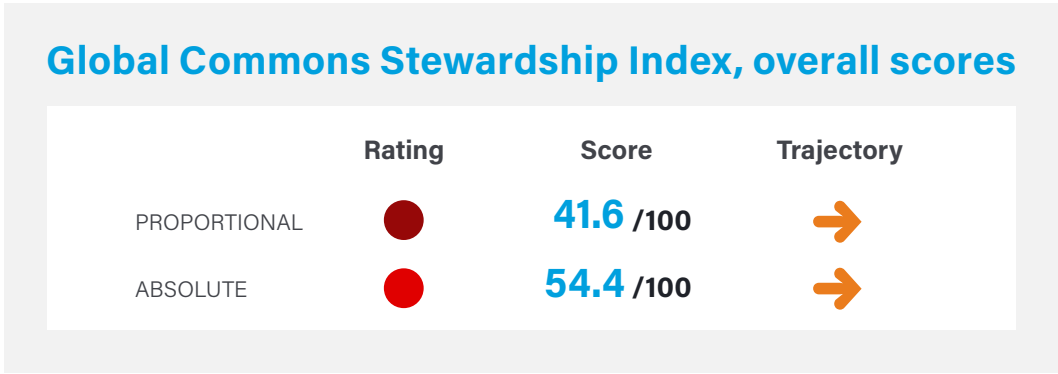
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Azerbaijan

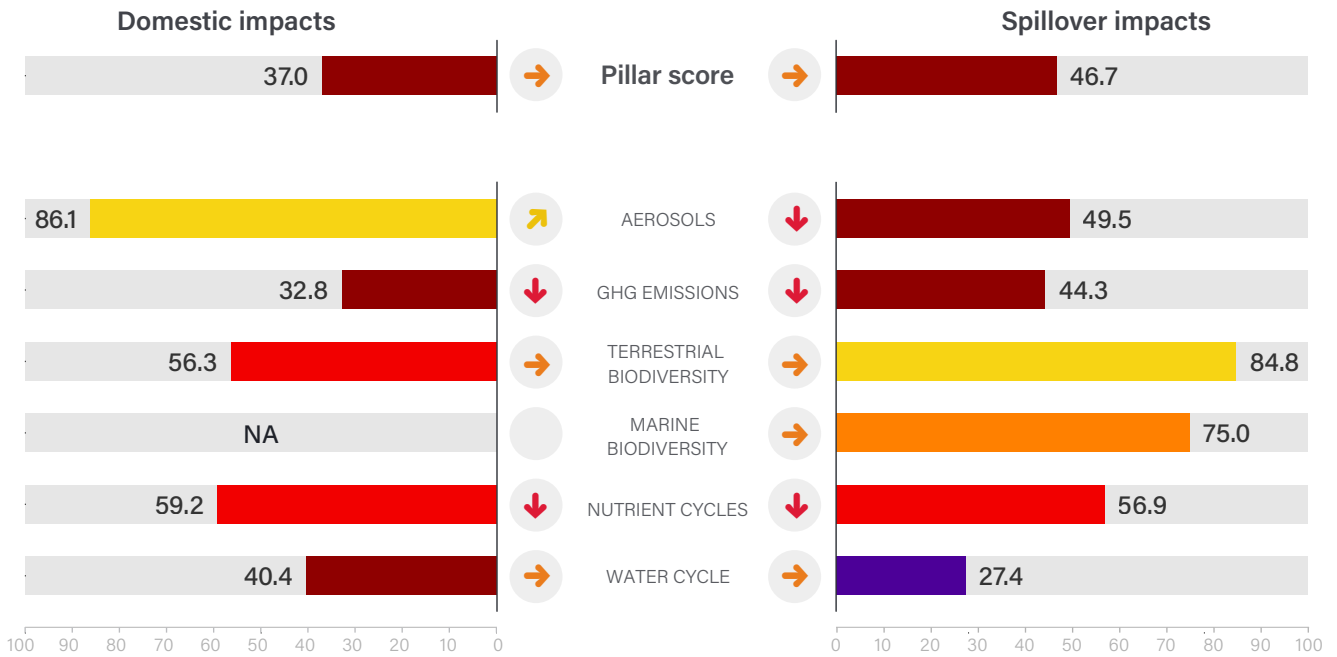
Eastern Europe and Central Asia

Land area	82,654 sq. km	Population	10.1 million
GDP (PPP, constant 2017 US\$, billions)	\$138.5	GDP per capita	\$13,700
Human Development Index (HDI)	0.745	HDI category	High



Impacts by pillar and sub-pillar

Proportional scores and trajectories



The Global Commons Stewardship Index

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Dashboard categories

Negative impacts on the Global Commons

■	95–100	None or limited
■	90–95	Low
■	80–90	Medium-low
■	70–80	Medium-high
■	50–70	High
■	30–50	Very high
■	0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Azerbaijan

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	3.15	kg/capita	70.4	●	↓	31.30 Gg 2018
Spillover SO ₂ emissions	4.39	kg/capita	50.1	●	↓	42.33 Gg 2015
Domestic NO _x emissions	9.09	kg/capita	91.4	●	↑	90.36 Gg 2018
Spillover NO _x emissions	5.89	kg/capita	40.8	●	↓	56.86 Gg 2015
Domestic black carbon emissions	0.11	kg/capita	99.2	●	↑	1.05 Gg 2018
Spillover black carbon emissions	0.12	kg/capita	59.2	●	↓	1.17 Gg 2015
GHG Emissions						
Domestic GHG emissions	6.46	t CO ₂ e/capita	54.5	●	↓	64.73 Tg 2019
Spillover GHG emissions	2.96	t CO ₂ e/capita	44.3	●	↓	29.43 Tg 2018
CO ₂ emissions embodied in fossil fuel exports	11.27	t CO ₂ e/capita	7.1	●	●	113.92 Tg 2021
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	36.61	%	65.2	●	↓	36.61 % 2020
Unprotected freshwater biodiversity sites	14.53	%	89.3	●	↓	14.53 % 2020
Domestic land use related biodiversity loss	1.12 × 10 ⁻¹¹	global PDF/capita	85.1	●	→	1.12 × 10 ⁻⁴ global PDF 2018
Spillover land use related biodiversity loss	2.69 × 10 ⁻¹²	global PDF/capita	86.9	●	→	2.67 × 10 ⁻⁵ global PDF 2018
Domestic freshwater biodiversity threats	0.74	spp./million	28.2	●	●	7.34 species 2018
Spillover freshwater biodiversity threats	0.01	spp./million	77.5	●	●	0.09 species 2018
Domestic deforestation	0.00	%	99.8	●	↑	2.58 × 10 hectares 2020
Spillover deforestation	1.72 × 10 ⁻³	ha/capita	76.9	●	→	1.71 × 10 ⁴ hectares 2018
Red List Index of species survival	0.91	scale 0 to 1	76.6	●	↗	0.91 scale 0 to 1 2021
Biodiversity Habitat Index	0.29	scale 0 to 1	1.3	●	●	0.29 scale 0 to 1 2020
Domestic export of endangered terrestrial animals	2.39 × 10 ⁻⁶	WOE/million	100.0	●	●	2.40 × 10 WOE 2019
Spillover endangered terrestrial animals	3.99 × 10 ⁻⁷	WOE/capita	100.0	●	●	4.00 WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	NA	WOE/million	NA	●	●	NA WOE NA
Spillover endangered marine animals	4.95 × 10 ⁻⁵	WOE/capita	96.8	●	●	4.96 × 10 ² WOE 2019
Unprotected marine biodiversity sites	NA	%	NA	●	●	NA % NA
Domestic marine biodiversity threats	NA	spp./million	NA	●	●	NA species NA
Spillover marine biodiversity threats	0.00	spp./million	80.6	●	●	0.02 species 2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	●	●	NA % NA
Fish caught by trawling	NA	%	NA	●	●	NA % NA
Domestic vulnerable fisheries catch	NA	tonnes/capita	NA	●	●	NA Tg NA
Spillover vulnerable fisheries catch	3.05	tonnes/capita	54.0	●	→	0.03 tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.58	scale 0 to 1.4	50.9	●	→	0.58 scale 0 to 1.4 2015
Domestic nitrogen surplus	1.30	kg/capita	97.6	●	↓	12.50 Gg 2015
Spillover nitrogen surplus	0.72	kg/capita	66.1	●	↓	6.98 Tg 2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	●	●	NA kt NA
Spillover phosphorus fertilizer	1.92	g/capita	49.0	●	↓	19.11 kt 2018
Water Cycle						
Domestic scarce water consumption	1.56	m ³ H ₂ O-eq./capita	57.3	●	↗	15.46 Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	59.05	m ³ H ₂ O-eq./capita	36.1	●	→	586.94 Mm ³ H ₂ O-eq. 2018
Domestic water stress	7.74	ML H ₂ O-eq./capita	10.0	●	→	76.94 Bm ³ H ₂ O-eq. 2018
Spillover water stress	4.26	m ³ H ₂ O-eq./capita	20.8	●	↓	42.31 Mm ³ H ₂ O-eq. 2018

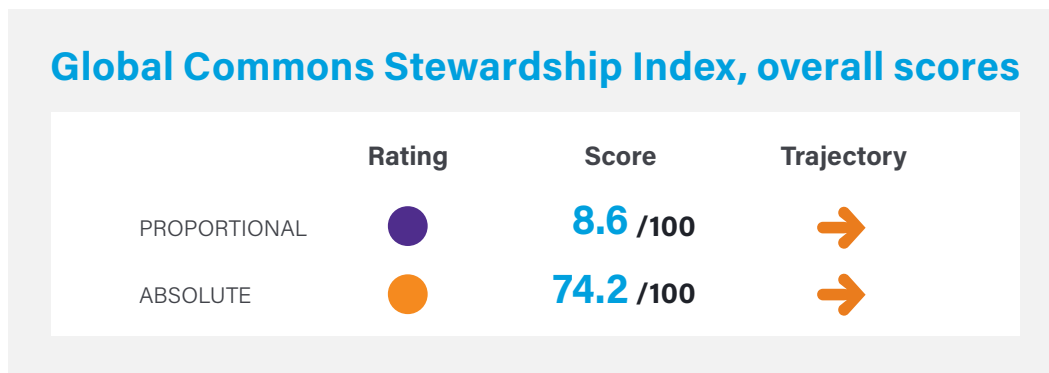
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Bahrain

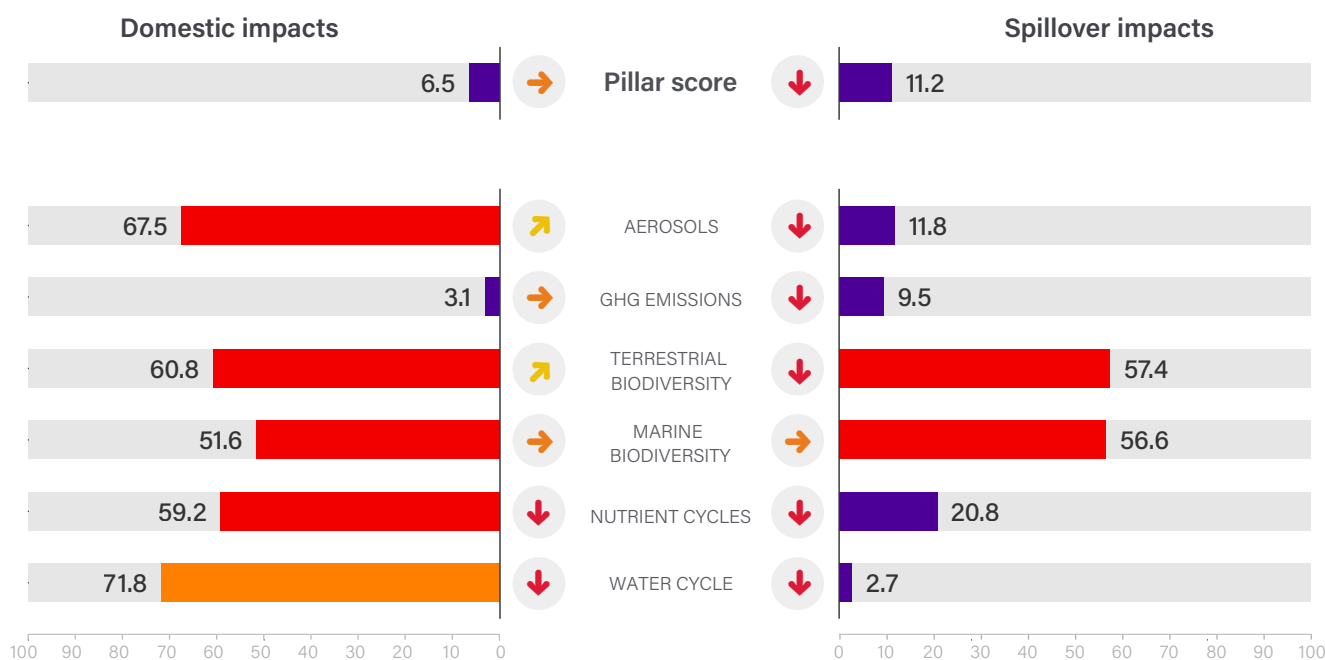
Middle East and North Africa

Land area	780 sq. km	Population	1.7 million
GDP (PPP, constant 2017 US\$, billions)	\$69.7	GDP per capita	\$40,933
Human Development Index (HDI)	0.875	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories

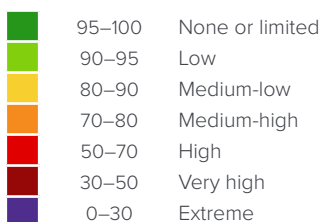


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Dashboard categories

Negative impacts on the Global Commons



Trajectories

Based on 5-year growth rates



Bahrain

Performance by Indicator

Indicator	Proportional			Absolute		
	Value	Units	Score	Value	Units	Year
Aerosols						
Domestic SO ₂ emissions	0.70	kg/capita	100.0	●	↑	1.10 Gg 2018
Spillover SO ₂ emissions	20.00	kg/capita	8.3	●	↓	27.43 Gg 2015
Domestic NO _x emissions	38.13	kg/capita	32.0	●	→	59.84 Gg 2018
Spillover NO _x emissions	17.07	kg/capita	12.5	●	↓	23.42 Gg 2015
Domestic black carbon emissions	0.14	kg/capita	96.0	●	↑	0.22 Gg 2018
Spillover black carbon emissions	0.58	kg/capita	15.8	●	↓	0.80 Gg 2015
GHG Emissions						
Domestic GHG emissions	39.92	t CO ₂ e/capita	1.0	●	→	65.51 Tg 2019
Spillover GHG emissions	10.24	t CO ₂ e/capita	9.5	●	↓	16.08 Tg 2018
CO ₂ emissions embodied in fossil fuel exports	0.00	t CO ₂ e/capita	91.6	●	●	0.00 Tg 2019
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	0.00	%	100.0	●	●	0.00 % 2020
Unprotected freshwater biodiversity sites	NA	%	NA	●	●	NA % NA
Domestic land use related biodiversity loss	2.43 × 10 ⁻¹⁵	global PDF/capita	100.0	●	↑	3.82 × 10 ⁻⁹ global PDF 2018
Spillover land use related biodiversity loss	1.33 × 10 ⁻¹¹	global PDF/capita	23.3	●	↓	2.09 × 10 ⁻⁵ global PDF 2018
Domestic freshwater biodiversity threats	0.00	spp./million	100.0	●	●	0.00 species 2018
Spillover freshwater biodiversity threats	0.01	spp./million	70.0	●	●	0.02 species 2018
Domestic deforestation	NA	%	NA	●	●	NA hectares NA
Spillover deforestation	2.22 × 10 ⁻³	ha/capita	69.6	●	↓	3.48 × 10 ³ hectares 2018
Red List Index of species survival	0.75	scale 0 to 1	26.1	●	↓	0.75 scale 0 to 1 2021
Biodiversity Habitat Index	0.70	scale 0 to 1	58.6	●	●	0.70 scale 0 to 1 2020
Domestic export of endangered terrestrial animals	6.09 × 10 ⁻⁷	WOE/million	100.0	●	●	1.00 WOE 2019
Spillover endangered terrestrial animals	3.91 × 10 ⁻⁴	WOE/capita	95.4	●	●	6.42 × 10 ² WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	0.00	WOE/million	100.0	●	●	0.00 WOE 2019
Spillover endangered marine animals	2.60 × 10 ⁻⁴	WOE/capita	83.4	●	●	4.26 × 10 ² WOE 2019
Unprotected marine biodiversity sites	0.00	%	100.0	●	●	0.00 % 2020
Domestic marine biodiversity threats	0.45	spp./million	40.9	●	●	0.71 species 2018
Spillover marine biodiversity threats	0.01	spp./million	65.4	●	●	0.01 species 2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	●	●	NA % NA
Fish caught by trawling	0.00	%	100.0	●	●	0.00 % 2018
Domestic vulnerable fisheries catch	60.17	tonnes/capita	14.6	●	→	0.09 Tg 2018
Spillover vulnerable fisheries catch	10.63	tonnes/capita	33.2	●	→	0.02 tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.87	scale 0 to 1.4	25.6	●	↓	0.87 scale 0 to 1.4 2015
Domestic nitrogen surplus	0.04	kg/capita	100.0	●	↓	0.06 Gg 2015
Spillover nitrogen surplus	8.02	kg/capita	20.4	●	↓	11.01 Tg 2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	●	●	NA kt NA
Spillover phosphorus fertilizer	4.72	g/capita	21.2	●	→	7.40 kt 2018
Water Cycle						
Domestic scarce water consumption	0.45	m ³ H ₂ O-eq./capita	71.3	●	↓	0.70 Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	5.99	m ³ H ₂ O-eq./capita	95.6	●	↓	66.97 Mm ³ H ₂ O-eq. 2018
Domestic water stress	0.06	ML H ₂ O-eq./capita	73.8	●	↓	0.09 Bm ³ H ₂ O-eq. 2018
Spillover water stress	0.12	m ³ H ₂ O-eq./capita	100.0	●	↓	1.29 Mm ³ H ₂ O-eq. 2018

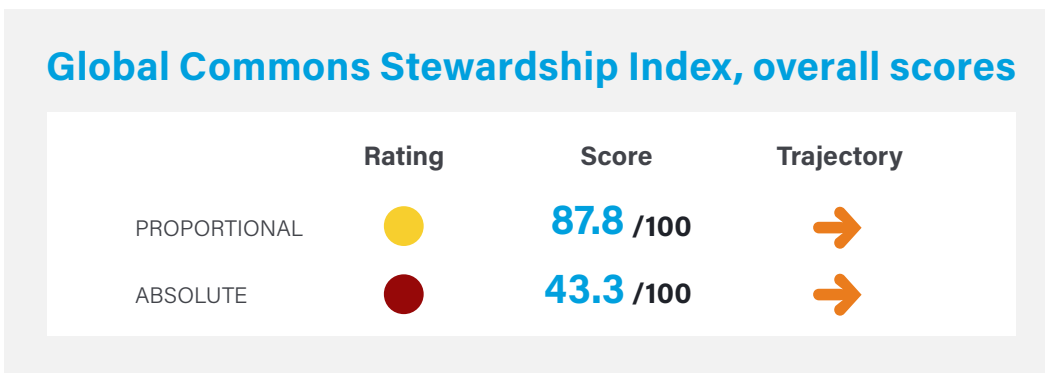
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Bangladesh

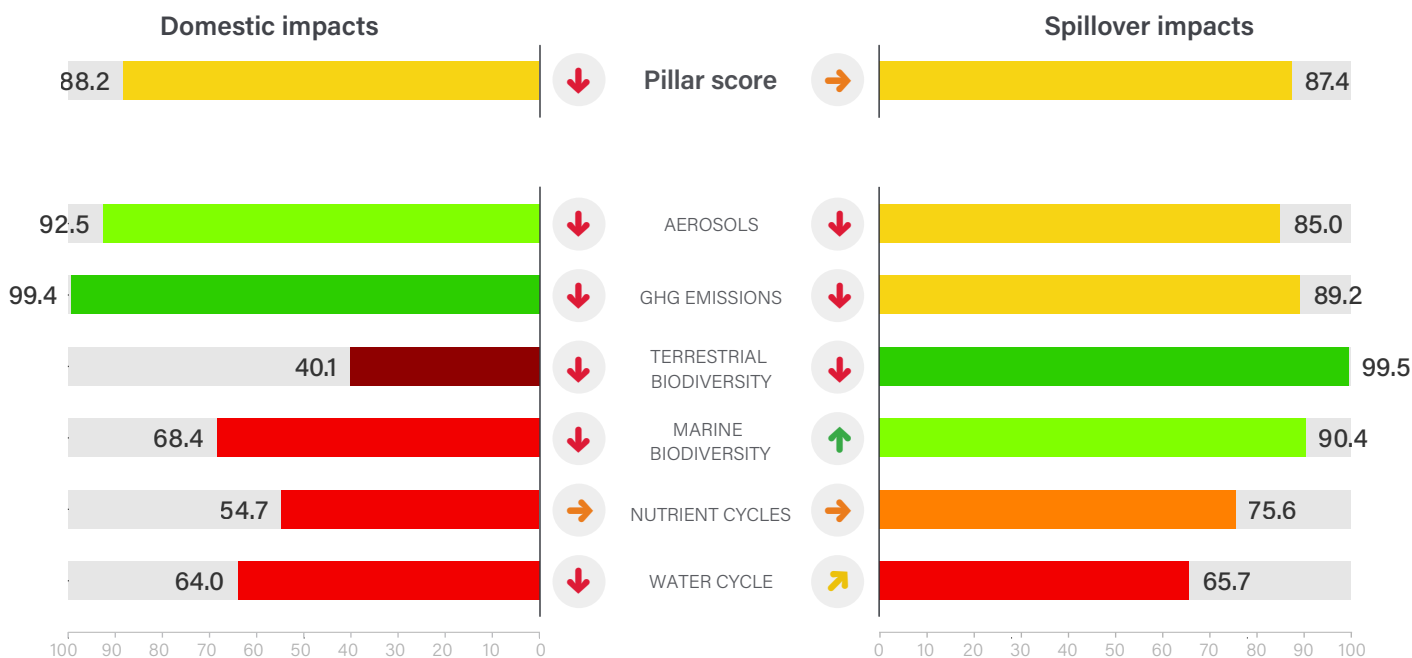
East and South Asia

Land area	130,170 sq. km	Population	164.7 million
GDP (PPP, constant 2017 US\$, billions)	\$793.5	GDP per capita	\$4,818
Human Development Index (HDI)	0.661	HDI category	Medium



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

95–100	None or limited
90–95	Low
80–90	Medium-low
70–80	Medium-high
50–70	High
30–50	Very high
0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Bangladesh

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	1.55	kg/capita	86.7	● ↓	250.60	Gg
Spillover SO ₂ emissions	1.13	kg/capita	87.7	● ↓	175.88	Gg
Domestic NO _x emissions	3.49	kg/capita	100.0	● ↓	562.83	Gg
Spillover NO _x emissions	1.00	kg/capita	88.0	● ↓	155.73	Gg
Domestic black carbon emissions	0.19	kg/capita	91.3	● ↓	31.32	Gg
Spillover black carbon emissions	0.06	kg/capita	79.6	● ↓	9.10	Gg
GHG Emissions						
Domestic GHG emissions	2.03	t CO ₂ e/capita	99.4	● ↓	331.28	Tg
Spillover GHG emissions	0.60	t CO ₂ e/capita	89.2	● ↓	96.73	Tg
CO ₂ emissions embodied in fossil fuel exports	NA	t CO ₂ e/capita	NA	● ●	NA	Tg
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	41.47	%	60.3	● ↓	41.47	%
Unprotected freshwater biodiversity sites	0.00	%	100.0	● ●	0.00	%
Domestic land use related biodiversity loss	1.49 × 10 ⁻¹²	global PDF/capita	98.0	● →	2.41 × 10 ⁻⁴	global PDF
Spillover land use related biodiversity loss	8.06 × 10 ⁻¹³	global PDF/capita	98.2	● ↓	1.30 × 10 ⁻⁴	global PDF
Domestic freshwater biodiversity threats	0.03	spp./million	71.2	● ●	4.91	species
Spillover freshwater biodiversity threats	0.00	spp./million	100.0	● ●	0.22	species
Domestic deforestation	0.94	%	29.2	● ↓	2.09 × 10 ⁴	hectares
Spillover deforestation	1.38 × 10 ⁻⁴	ha/capita	100.0	● ↓	2.22 × 10 ⁴	hectares
Red List Index of species survival	0.74	scale 0 to 1	24.7	● ↓	0.74	scale 0 to 1
Biodiversity Habitat Index	0.27	scale 0 to 1	1.0	● ●	0.27	scale 0 to 1
Domestic export of endangered terrestrial animals	0.00	WOE/million	100.0	● ●	0.00	WOE
Spillover endangered terrestrial animals	5.27 × 10 ⁻⁶	WOE/capita	99.9	● ●	8.59 × 10 ²	WOE
Marine Biodiversity Loss						
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE
Spillover endangered marine animals	1.10 × 10 ⁻⁵	WOE/capita	99.3	● ●	1.79 × 10 ³	WOE
Unprotected marine biodiversity sites	34.47	%	65.9	● ↓	34.47	%
Domestic marine biodiversity threats	0.02	spp./million	84.9	● ●	3.02	species
Spillover marine biodiversity threats	0.00	spp./million	94.0	● ●	0.09	species
Fish caught from overexploited or collapsed stocks	3.23	%	94.9	● ↓	3.23	%
Fish caught by trawling	15.40	%	75.0	● →	15.40	%
Domestic vulnerable fisheries catch	13.70	tonnes/capita	34.0	● →	2.21	Tg
Spillover vulnerable fisheries catch	0.68	tonnes/capita	79.1	● ↑	0.11	tonnes
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.67	scale 0 to 1.4	42.5	● →	0.67	scale 0 to 1.4
Domestic nitrogen surplus	9.47	kg/capita	74.1	● ↓	1,479.87	Gg
Spillover nitrogen surplus	0.29	kg/capita	83.5	● ↓	45.28	Tg
Domestic phosphorus fertilizer	4.40	kg/capita	52.8	● ↓	710.24	kt
Spillover phosphorus fertilizer	1.02	g/capita	68.5	● ↗	165.08	kt
Water Cycle						
Domestic scarce water consumption	1.13	m ³ H ₂ O-eq./capita	60.8	● ↓	182.82	Mm ³ H ₂ O-eq.
Spillover scarce water consumption	166.03	m ³ H ₂ O-eq./capita	9.2	● →	1,897.19	Mm ³ H ₂ O-eq.
Domestic water stress	0.04	ML H ₂ O-eq./capita	78.1	● ↓	6.37	Bm ³ H ₂ O-eq.
Spillover water stress	5.75	m ³ H ₂ O-eq./capita	13.0	● ↗	65.74	Mm ³ H ₂ O-eq.

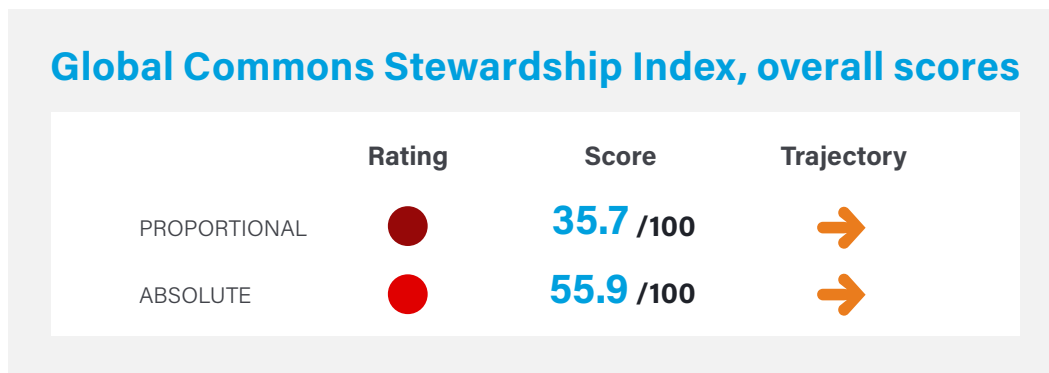
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Belarus

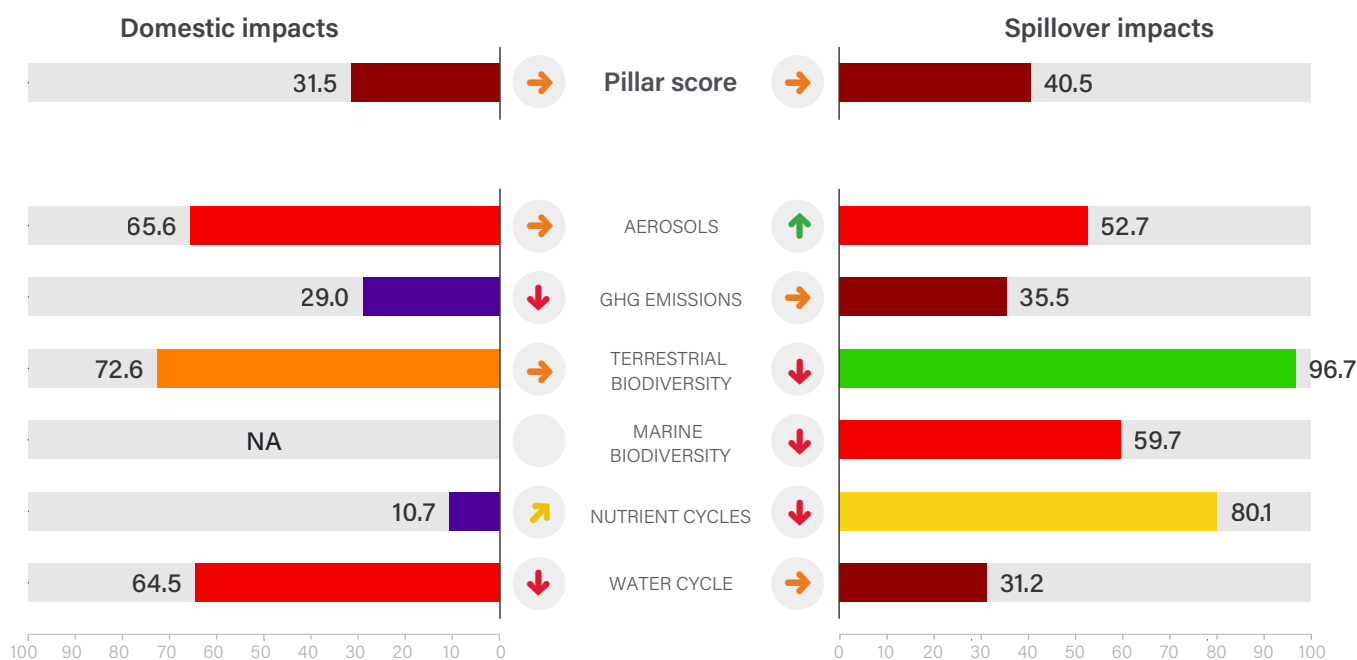
Eastern Europe and Central Asia

Land area	202,980 sq. km	Population	9.4 million
GDP (PPP, constant 2017 US\$, billions)	\$180.0	GDP per capita	\$19,148
Human Development Index (HDI)	0.808	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

95–100	None or limited
90–95	Low
80–90	Medium-low
70–80	Medium-high
50–70	High
30–50	Very high
0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Belarus

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	6.82	kg/capita	52.6	● →	64.68	Gg 2018
Spillover SO ₂ emissions	4.27	kg/capita	50.9	● ↑	40.53	Gg 2015
Domestic NO _x emissions	19.74	kg/capita	69.6	● →	187.24	Gg 2018
Spillover NO _x emissions	5.52	kg/capita	42.5	● ↑	52.42	Gg 2015
Domestic black carbon emissions	0.35	kg/capita	77.2	● →	3.32	Gg 2018
Spillover black carbon emissions	0.09	kg/capita	67.5	● ↑	0.86	Gg 2015
GHG Emissions						
Domestic GHG emissions	11.49	t CO ₂ e/capita	32.2	● ↓	108.23	Tg 2019
Spillover GHG emissions	4.05	t CO ₂ e/capita	35.5	● →	38.40	Tg 2018
CO ₂ emissions embodied in fossil fuel exports	0.50	t CO ₂ e/capita	21.4	● ●	4.67	Tg 2020
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	47.09	%	54.6	● ↓	47.09	% 2020
Unprotected freshwater biodiversity sites	53.31	%	49.2	● ↓	53.31	% 2020
Domestic land use related biodiversity loss	3.01 × 10 ⁻¹²	global PDF/capita	96.0	● →	2.86 × 10 ⁻⁵	global PDF 2018
Spillover land use related biodiversity loss	1.76 × 10 ⁻¹²	global PDF/capita	92.5	● ↓	1.67 × 10 ⁻⁵	global PDF 2018
Domestic freshwater biodiversity threats	0.06	spp./million	62.4	● ●	0.56	species 2018
Spillover freshwater biodiversity threats	0.00	spp./million	100.0	● ●	0.02	species 2018
Domestic deforestation	0.80	%	39.9	● ↓	7.59 × 10 ⁴	hectares 2020
Spillover deforestation	5.17 × 10 ⁻⁴	ha/capita	94.5	● ↓	4.91 × 10 ³	hectares 2018
Red List Index of species survival	0.97	scale 0 to 1	95.2	● ↑	0.97	scale 0 to 1 2021
Biodiversity Habitat Index	0.42	scale 0 to 1	19.4	● ●	0.42	scale 0 to 1 2020
Domestic export of endangered terrestrial animals	0.00	WOE/million	100.0	● ●	0.00	WOE 2019
Spillover endangered terrestrial animals	1.47 × 10 ⁻⁵	WOE/capita	99.8	● ●	1.38 × 10 ²	WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	NA	WOE/million	NA	● ●	NA	WOE NA
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE 2019
Unprotected marine biodiversity sites	NA	%	NA	● ●	NA	% NA
Domestic marine biodiversity threats	NA	spp./million	NA	● ●	NA	species NA
Spillover marine biodiversity threats	0.00	spp./million	86.8	● ●	0.01	species 2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	● ●	NA	% NA
Fish caught by trawling	NA	%	NA	● ●	NA	% NA
Domestic vulnerable fisheries catch	NA	tonnes/capita	NA	● ●	NA	Tg NA
Spillover vulnerable fisheries catch	17.93	tonnes/capita	24.5	● ↓	0.17	tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.79	scale 0 to 1.4	31.9	● →	0.79	scale 0 to 1.4 2015
Domestic nitrogen surplus	48.61	kg/capita	1.0	● →	461.31	Gg 2015
Spillover nitrogen surplus	0.03	kg/capita	100.0	● ↓	0.33	Tg 2015
Domestic phosphorus fertilizer	11.03	kg/capita	28.2	● ↑	104.63	kt 2018
Spillover phosphorus fertilizer	1.18	g/capita	64.1	● ↓	11.20	kt 2018
Water Cycle						
Domestic scarce water consumption	0.52	m ³ H ₂ O-eq./capita	69.5	● ↓	4.98	Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	44.27	m ³ H ₂ O-eq./capita	43.6	● →	508.42	Mm ³ H ₂ O-eq. 2018
Domestic water stress	0.41	ML H ₂ O-eq./capita	47.9	● ↓	3.90	Bm ³ H ₂ O-eq. 2018
Spillover water stress	1.38	m ³ H ₂ O-eq./capita	49.9	● →	15.85	Mm ³ H ₂ O-eq. 2018

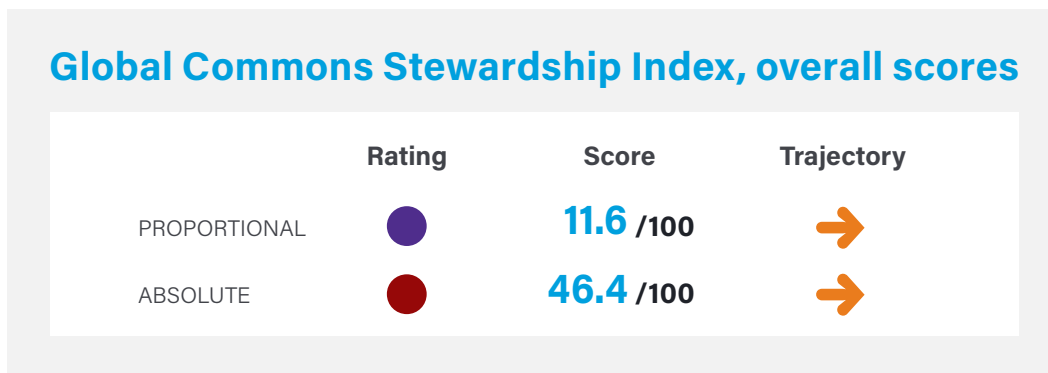
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Belgium

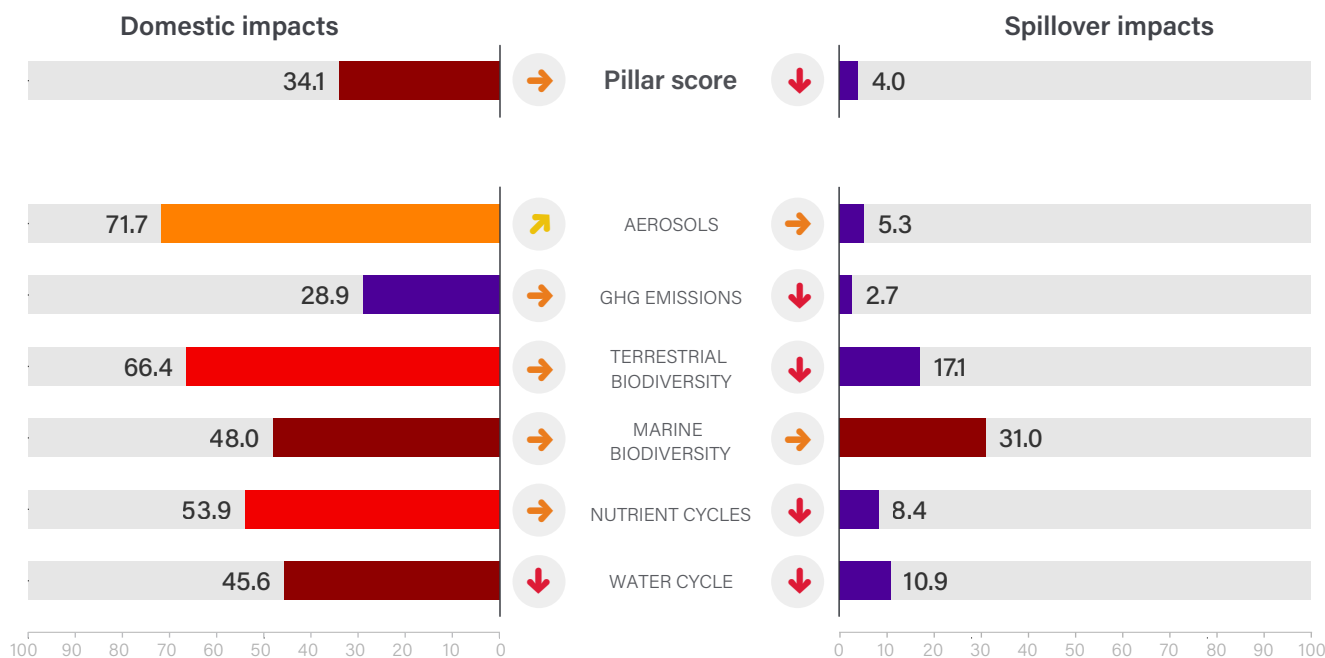
OECD Member

Land area	30,280 sq. km	Population	11.6 million
GDP (PPP, constant 2017 US\$, billions)	\$557.1	GDP per capita	\$48,210
Human Development Index (HDI)	0.937	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories

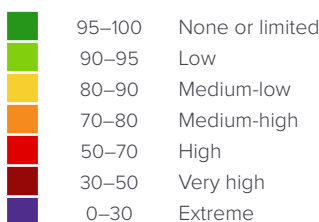


The Global Commons Stewardship Index

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Dashboard categories

Negative impacts on the Global Commons



Trajectories

Based on 5-year growth rates



Belgium

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	4.78	kg/capita	60.8	● ↗	54.57	Gg	2018
Spillover SO ₂ emissions	19.55	kg/capita	8.9	● →	220.45	Gg	2015
Domestic NO _x emissions	17.43	kg/capita	74.3	● →	199.19	Gg	2018
Spillover NO _x emissions	23.74	kg/capita	3.8	● →	267.68	Gg	2015
Domestic black carbon emissions	0.30	kg/capita	81.7	● ↗	3.43	Gg	2018
Spillover black carbon emissions	0.88	kg/capita	4.4	● →	9.93	Gg	2015
GHG Emissions							
Domestic GHG emissions	12.51	t CO ₂ e/capita	28.9	● →	143.78	Tg	2019
Spillover GHG emissions	13.04	t CO ₂ e/capita	2.7	● ↓	149.01	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	NA	t CO ₂ e/capita	NA	● ●	NA	Tg	NA
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	75.60	%	25.7	● ↓	75.60	%	2020
Unprotected freshwater biodiversity sites	85.64	%	15.8	● ↓	85.64	%	2020
Domestic land use related biodiversity loss	4.98 × 10 ⁻¹³	global PDF/capita	99.4	● ↓	5.69 × 10 ⁻⁶	global PDF	2018
Spillover land use related biodiversity loss	1.42 × 10 ⁻¹¹	global PDF/capita	17.7	● ↓	1.63 × 10 ⁻⁴	global PDF	2018
Domestic freshwater biodiversity threats	0.01	spp./million	82.3	● ●	0.14	species	2018
Spillover freshwater biodiversity threats	0.74	spp./million	3.2	● ●	8.52	species	2018
Domestic deforestation	0.56	%	58.2	● ↓	4.95 × 10 ³	hectares	2020
Spillover deforestation	5.94 × 10 ⁻³	ha/capita	15.0	● ↓	6.79 × 10 ⁴	hectares	2018
Red List Index of species survival	0.98	scale 0 to 1	98.5	● ↗	0.98	scale 0 to 1	2021
Biodiversity Habitat Index	0.34	scale 0 to 1	8.2	● ●	0.34	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	9.66 × 10 ⁻⁶	WOE/million	99.9	● ●	1.11 × 10 ²	WOE	2019
Spillover endangered terrestrial animals	3.43 × 10 ⁻⁵	WOE/capita	99.6	● ●	3.94 × 10 ²	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE	2019
Spillover endangered marine animals	5.89 × 10 ⁻⁵	WOE/capita	96.2	● ●	6.77 × 10 ²	WOE	2019
Unprotected marine biodiversity sites	94.01	%	6.9	● ↓	94.01	%	2020
Domestic marine biodiversity threats	0.00	spp./million	100.0	● ●	0.03	species	2018
Spillover marine biodiversity threats	0.23	spp./million	19.8	● ●	2.68	species	2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	● ●	NA	%	NA
Fish caught by trawling	12.97	%	79.0	● ↗	12.97	%	2018
Domestic vulnerable fisheries catch	0.42	tonnes/capita	79.9	● ↓	0.00	Tg	2018
Spillover vulnerable fisheries catch	30.52	tonnes/capita	15.6	● →	0.35	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	0.72	scale 0 to 1.4	38.1	● →	0.72	scale 0 to 1.4	2015
Domestic nitrogen surplus	19.11	kg/capita	46.3	● →	215.49	Gg	2015
Spillover nitrogen surplus	15.22	kg/capita	8.3	● ↓	171.62	Tg	2015
Domestic phosphorus fertilizer	1.69	kg/capita	78.3	● ↓	19.37	kt	2018
Spillover phosphorus fertilizer	7.09	g/capita	8.6	● ↓	81.02	kt	2018
Water Cycle							
Domestic scarce water consumption	5.96	m ³ H ₂ O-eq./capita	42.2	● ↓	68.05	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	5.90	m ³ H ₂ O-eq./capita	96.0	● ↓	116.54	Mm ³ H ₂ O-eq.	2018
Domestic water stress	0.14	ML H ₂ O-eq./capita	62.0	● ↓	1.58	Bm ³ H ₂ O-eq.	2018
Spillover water stress	0.23	m ³ H ₂ O-eq./capita	95.8	● ↓	4.62	Mm ³ H ₂ O-eq.	2018

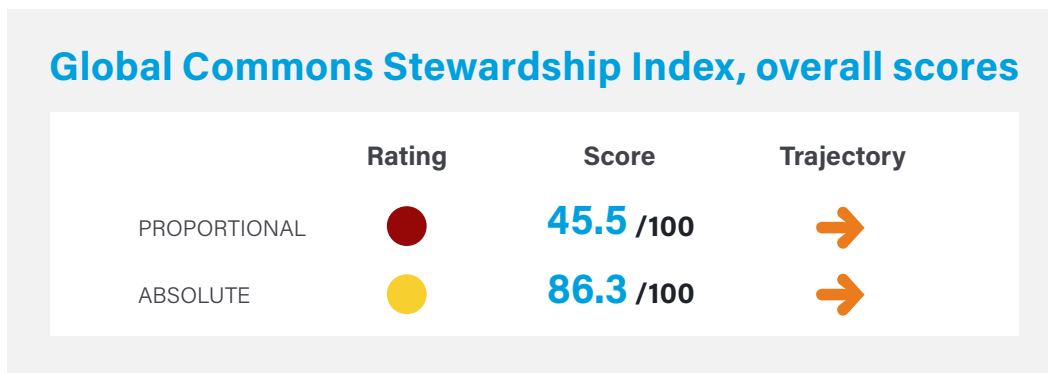
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Belize

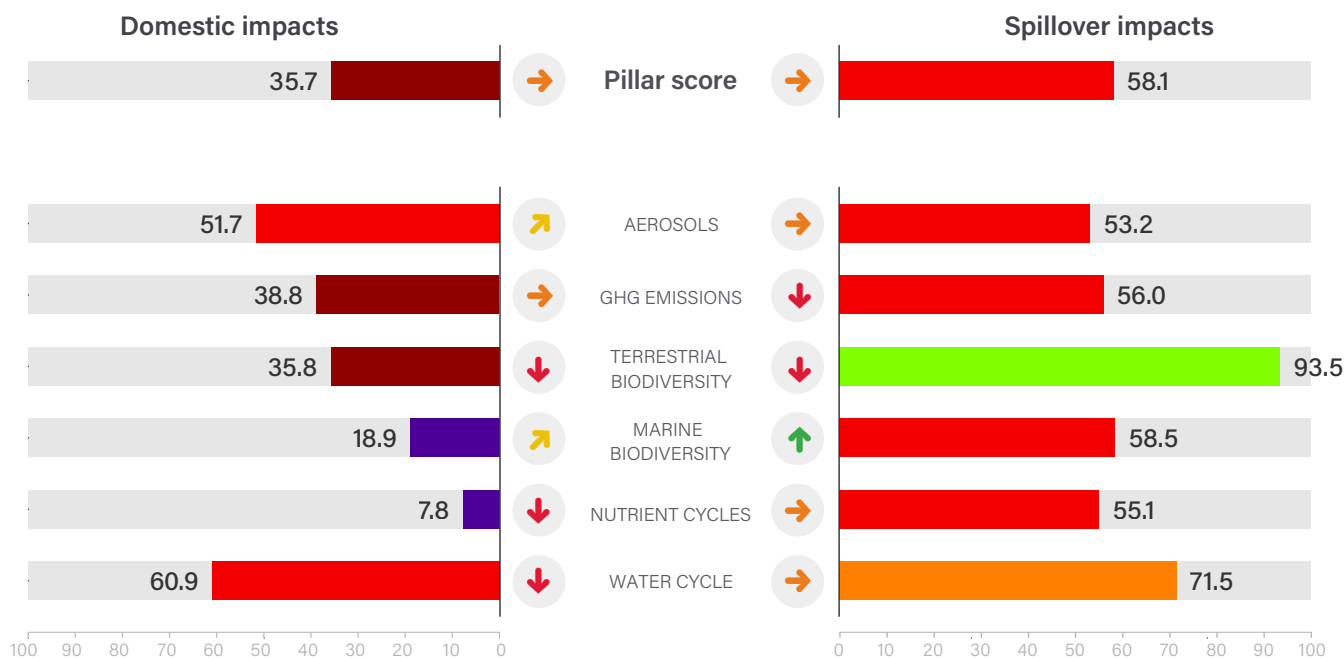
Latin America and Caribbean

Land area	22,810 sq. km	Population	0.4 million
GDP (PPP, constant 2017 US\$, billions)	\$2.4	GDP per capita	\$6,120
Human Development Index (HDI)	0.683	HDI category	Medium



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

	95–100	None or limited
	90–95	Low
	80–90	Medium-low
	70–80	Medium-high
	50–70	High
	30–50	Very high
	0–30	Extreme

Trajectories

Based on 5-year growth rates

	Projected to meet 2050 threshold
	Projected to meet 2030 threshold only
	Insufficient progress toward threshold
	Headed in wrong direction

Belize

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	8.05	kg/capita	48.8	●	↑	3.08 Gg
Spillover SO ₂ emissions	4.34	kg/capita	50.4	●	→	1.57 Gg
Domestic NO _x emissions	17.23	kg/capita	74.7	●	↑	6.60 Gg
Spillover NO _x emissions	4.18	kg/capita	49.9	●	↓	1.51 Gg
Domestic black carbon emissions	0.78	kg/capita	38.0	●	↓	0.30 Gg
Spillover black carbon emissions	0.12	kg/capita	59.9	●	↓	0.04 Gg
GHG Emissions						
Domestic GHG emissions	8.13	t CO ₂ e/capita	45.6	●	→	3.17 Tg
Spillover GHG emissions	1.96	t CO ₂ e/capita	56.0	●	↓	0.75 Tg
CO ₂ emissions embodied in fossil fuel exports	0.29	t CO ₂ e/capita	23.8	●	●	0.12 Tg
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	43.26	%	58.5	●	↓	43.26 %
Unprotected freshwater biodiversity sites	15.25	%	88.5	●	↓	15.25 %
Domestic land use related biodiversity loss	5.35 × 10 ⁻¹¹	global PDF/capita	28.8	●	→	2.05 × 10 ⁻⁵ global PDF
Spillover land use related biodiversity loss	3.63 × 10 ⁻¹²	global PDF/capita	81.3	●	→	1.39 × 10 ⁻⁶ global PDF
Domestic freshwater biodiversity threats	0.54	spp./million	32.4	●	●	0.21 species
Spillover freshwater biodiversity threats	0.00	spp./million	100.0	●	●	0.00 species
Domestic deforestation	1.06	%	20.5	●	→	1.84 × 10 ⁴ hectares
Spillover deforestation	5.60 × 10 ⁻⁴	ha/capita	93.9	●	↓	2.15 × 10 ² hectares
Red List Index of species survival	0.77	scale 0 to 1	33.1	●	↓	0.77 scale 0 to 1
Biodiversity Habitat Index	0.50	scale 0 to 1	31.3	●	●	0.50 scale 0 to 1
Domestic export of endangered terrestrial animals	0.00	WOE/million	100.0	●	●	0.00 WOE
Spillover endangered terrestrial animals	0.00	WOE/capita	100.0	●	●	0.00 WOE
Marine Biodiversity Loss						
Domestic export of endangered marine animals	5.03 × 10 ⁻²	WOE/million	1.0	●	●	1.96 × 10 ⁴ WOE
Spillover endangered marine animals	0.00	WOE/capita	100.0	●	●	0.00 WOE
Unprotected marine biodiversity sites	31.22	%	69.1	●	↓	31.22 %
Domestic marine biodiversity threats	22.80	spp./million	1.0	●	●	8.73 species
Spillover marine biodiversity threats	0.08	spp./million	32.8	●	●	0.03 species
Fish caught from overexploited or collapsed stocks	NA	%	NA	●	●	NA %
Fish caught by trawling	0.36	%	99.7	●	↑	0.36 %
Domestic vulnerable fisheries catch	8.74	tonnes/capita	39.9	●	↘	0.00 Tg
Spillover vulnerable fisheries catch	1.98	tonnes/capita	61.2	●	↑	0.00 tonnes
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.94	scale 0 to 1.4	19.4	●	↓	0.94 scale 0 to 1.4
Domestic nitrogen surplus	49.07	kg/capita	1.0	●	↓	17.71 Gg
Spillover nitrogen surplus	2.10	kg/capita	45.9	●	→	0.76 Tg
Domestic phosphorus fertilizer	NA	kg/capita	NA	●	●	NA kt
Spillover phosphorus fertilizer	1.10	g/capita	66.2	●	↘	0.42 kt
Water Cycle						
Domestic scarce water consumption	1.44	m ³ H ₂ O-eq./capita	58.2	●	↓	0.55 Mm ³ H ₂ O-eq.
Spillover scarce water consumption	21.14	m ³ H ₂ O-eq./capita	62.8	●	↘	3,411.42 Mm ³ H ₂ O-eq.
Domestic water stress	0.06	ML H ₂ O-eq./capita	73.5	●	↓	0.02 Bm ³ H ₂ O-eq.
Spillover water stress	0.67	m ³ H ₂ O-eq./capita	68.7	●	↓	107.41 Mm ³ H ₂ O-eq.

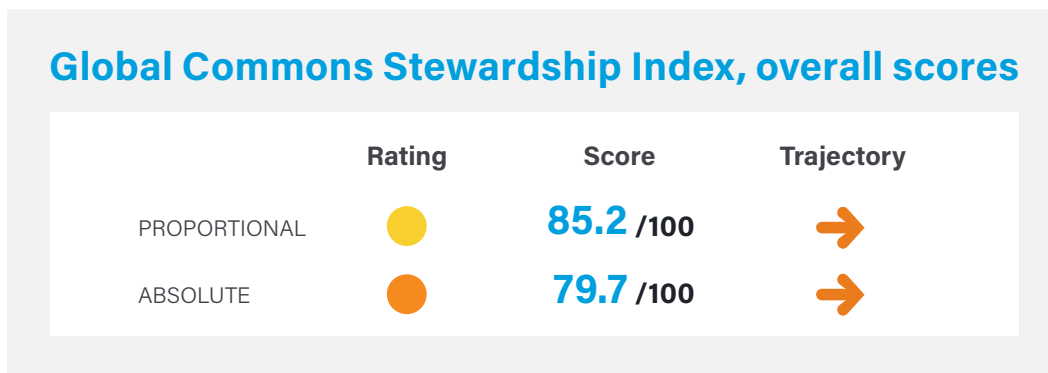
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Benin

Africa

Land area	112,760 sq. km	Population	12.1 million
GDP (PPP, constant 2017 US\$, billions)	\$40.3	GDP per capita	\$3,323
Human Development Index (HDI)	0.525	HDI category	Low



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

95–100	None or limited
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80–90	Medium-low
70–80	Medium-high
50–70	High
30–50	Very high
0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Benin

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	0.61	kg/capita	100.0	● ↓	7.06	Gg	2018
Spillover SO ₂ emissions	0.90	kg/capita	93.8	● ↑	9.52	Gg	2015
Domestic NO _x emissions	6.87	kg/capita	95.9	● ↓	78.96	Gg	2018
Spillover NO _x emissions	0.87	kg/capita	91.5	● ↓	9.25	Gg	2015
Domestic black carbon emissions	0.59	kg/capita	55.1	● →	6.83	Gg	2018
Spillover black carbon emissions	0.04	kg/capita	88.9	● ↗	0.44	Gg	2015
GHG Emissions							
Domestic GHG emissions	2.42	t CO ₂ e/capita	92.6	● ↓	28.55	Tg	2019
Spillover GHG emissions	0.59	t CO ₂ e/capita	89.6	● ↑	6.79	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	NA	t CO ₂ e/capita	NA	● ●	NA	Tg	NA
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	66.66	%	34.8	● ↓	66.66	%	2020
Unprotected freshwater biodiversity sites	0.00	%	100.0	● ↓	0.00	%	2020
Domestic land use related biodiversity loss	3.68 × 10 ⁻¹³	global PDF/capita	99.5	● ↗	4.23 × 10 ⁻⁶	global PDF	2018
Spillover land use related biodiversity loss	2.01 × 10 ⁻¹²	global PDF/capita	91.0	● ↓	2.30 × 10 ⁻⁵	global PDF	2018
Domestic freshwater biodiversity threats	0.30	spp./million	40.7	● ●	3.41	species	2018
Spillover freshwater biodiversity threats	0.00	spp./million	91.2	● ●	0.04	species	2018
Domestic deforestation	0.32	%	75.9	● ↓	1.40 × 10 ³	hectares	2020
Spillover deforestation	2.57 × 10 ⁻⁴	ha/capita	98.4	● ↑	2.95 × 10 ³	hectares	2018
Red List Index of species survival	0.91	scale 0 to 1	74.4	● ↓	0.91	scale 0 to 1	2021
Biodiversity Habitat Index	0.39	scale 0 to 1	14.8	● ●	0.39	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	1.18 × 10 ⁻³	WOE/million	87.7	● ●	1.39 × 10 ⁴	WOE	2019
Spillover endangered terrestrial animals	3.14 × 10 ⁻⁵	WOE/capita	99.6	● ●	3.71 × 10 ²	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE	2019
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE	2019
Unprotected marine biodiversity sites	0.00	%	100.0	● ↓	0.00	%	2020
Domestic marine biodiversity threats	0.15	spp./million	56.1	● ●	1.73	species	2018
Spillover marine biodiversity threats	0.00	spp./million	84.8	● ●	0.02	species	2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	● ●	NA	%	NA
Fish caught by trawling	0.00	%	100.0	● ●	0.00	%	2018
Domestic vulnerable fisheries catch	2019	tonnes/capita	28.9	● ↓	0.23	Tg	2018
Spillover vulnerable fisheries catch	3.71	tonnes/capita	50.8	● ↓	0.04	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	0.77	scale 0 to 1.4	34.0	● →	0.77	scale 0 to 1.4	2015
Domestic nitrogen surplus	1.65	kg/capita	96.6	● ↓	17.49	Gg	2015
Spillover nitrogen surplus	0.19	kg/capita	91.0	● ↓	2.06	Tg	2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt	NA
Spillover phosphorus fertilizer	1.68	g/capita	53.1	● ↓	19.33	kt	2018
Water Cycle							
Domestic scarce water consumption	3.02	m ³ H ₂ O-eq./capita	49.8	● ↗	34.64	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	28.76	m ³ H ₂ O-eq./capita	54.8	● ↓	202.06	Mm ³ H ₂ O-eq.	2018
Domestic water stress	0.12	ML H ₂ O-eq./capita	63.8	● ↗	1.37	Bm ³ H ₂ O-eq.	2018
Spillover water stress	1.90	m ³ H ₂ O-eq./capita	41.6	● ↓	13.35	Mm ³ H ₂ O-eq.	2018

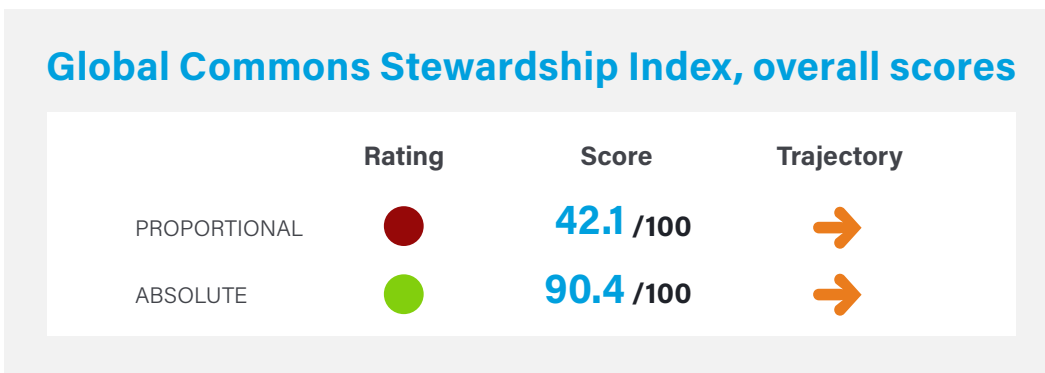
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Bhutan

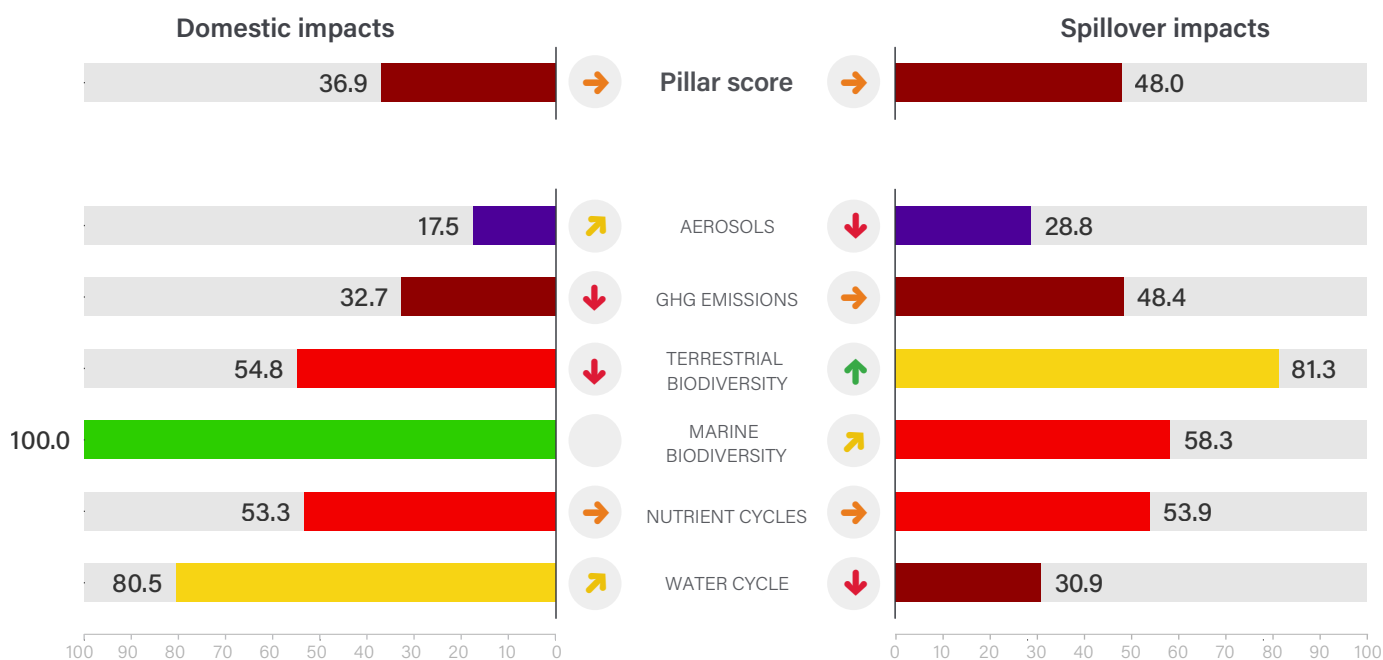
East and South Asia

Land area	38,140 sq. km	Population	0.8 million
GDP (PPP, constant 2017 US\$, billions)	\$8.4	GDP per capita	\$10,909
Human Development Index (HDI)	0.666	HDI category	Medium



Impacts by pillar and sub-pillar

Proportional scores and trajectories



The Global Commons Stewardship Index

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Dashboard categories

Negative impacts on the Global Commons

■	95–100	None or limited
■	90–95	Low
■	80–90	Medium-low
■	70–80	Medium-high
■	50–70	High
■	30–50	Very high
■	0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
➔	Insufficient progress toward threshold
↓	Headed in wrong direction

Bhutan

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	5.95	kg/capita	55.8	● ↗	4.49	Gg	2018
Spillover SO ₂ emissions	8.52	kg/capita	31.8	● ↓	6.20	Gg	2015
Domestic NO _x emissions	6.99	kg/capita	95.7	● ↑	5.27	Gg	2018
Spillover NO _x emissions	9.18	kg/capita	29.0	● ↓	6.68	Gg	2015
Domestic black carbon emissions	2.53	kg/capita	1.0	● ↗	1.91	Gg	2018
Spillover black carbon emissions	0.40	kg/capita	26.0	● ↗	0.29	Gg	2015
GHG Emissions							
Domestic GHG emissions	11.32	t CO ₂ e/capita	32.7	● ↓	8.64	Tg	2019
Spillover GHG emissions	2.56	t CO ₂ e/capita	48.4	● ↗	1.93	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	NA	t CO ₂ e/capita	NA	● ●	NA	Tg	NA
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	46.97	%	54.7	● ↓	46.97	%	2020
Unprotected freshwater biodiversity sites	34.81	%	68.3	● ↓	34.81	%	2020
Domestic land use related biodiversity loss	1.42 × 10 ⁻¹¹	global PDF/capita	81.1	● ↗	1.07 × 10 ⁻⁵	global PDF	2018
Spillover land use related biodiversity loss	1.27 × 10 ⁻¹²	global PDF/capita	95.4	● ↑	9.61 × 10 ⁻⁷	global PDF	2018
Domestic freshwater biodiversity threats	0.51	spp./million	33.2	● ●	0.39	species	2018
Spillover freshwater biodiversity threats	0.06	spp./million	46.6	● ●	0.04	species	2018
Domestic deforestation	0.04	%	97.4	● ↓	8.78 × 10 ²	hectares	2020
Spillover deforestation	2.61 × 10 ⁻⁴	ha/capita	98.3	● ↑	1.97 × 10 ²	hectares	2018
Red List Index of species survival	0.80	scale 0 to 1	41.3	● ↓	0.80	scale 0 to 1	2021
Biodiversity Habitat Index	0.39	scale 0 to 1	15.7	● ●	0.39	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	0.00	WOE/million	100.0	● ●	0.00	WOE	2019
Spillover endangered terrestrial animals	1.31 × 10 ⁻⁶	WOE/capita	100.0	● ●	1.00	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	NA	WOE/million	NA	● ●	NA	WOE	NA
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE	2019
Unprotected marine biodiversity sites	NA	%	NA	● ●	NA	%	NA
Domestic marine biodiversity threats	0.00	spp./million	100.0	● ●	0.00	species	2018
Spillover marine biodiversity threats	0.06	spp./million	36.9	● ●	0.05	species	2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	● ●	NA	%	NA
Fish caught by trawling	NA	%	NA	● ●	NA	%	NA
Domestic vulnerable fisheries catch	NA	tonnes/capita	NA	● ●	NA	Tg	NA
Spillover vulnerable fisheries catch	3.11	tonnes/capita	53.7	● ↗	0.00	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	0.74	scale 0 to 1.4	37.1	● ↗	0.74	scale 0 to 1.4	2015
Domestic nitrogen surplus	3.12	kg/capita	92.4	● ↗	2.27	Gg	2015
Spillover nitrogen surplus	1.84	kg/capita	48.4	● ↗	1.34	Tg	2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt	NA
Spillover phosphorus fertilizer	1.35	g/capita	60.0	● ↓	1.02	kt	2018
Water Cycle							
Domestic scarce water consumption	0.24	m ³ H ₂ O-eq./capita	78.4	● ↗	0.18	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	177.46	m ³ H ₂ O-eq./capita	7.4	● ↓	278.51	Mm ³ H ₂ O-eq.	2018
Domestic water stress	0.02	ML H ₂ O-eq./capita	89.8	● ↗	0.01	Bm ³ H ₂ O-eq.	2018
Spillover water stress	9.14	m ³ H ₂ O-eq./capita	1.0	● ↓	14.35	Mm ³ H ₂ O-eq.	2018

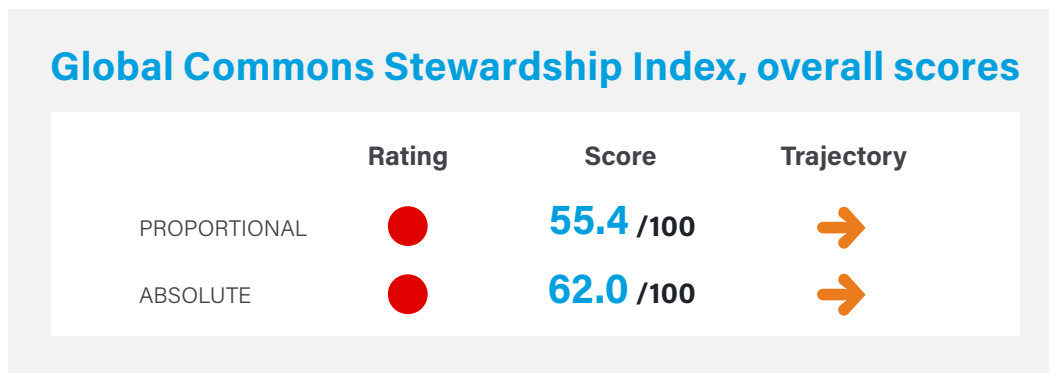
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Bolivia

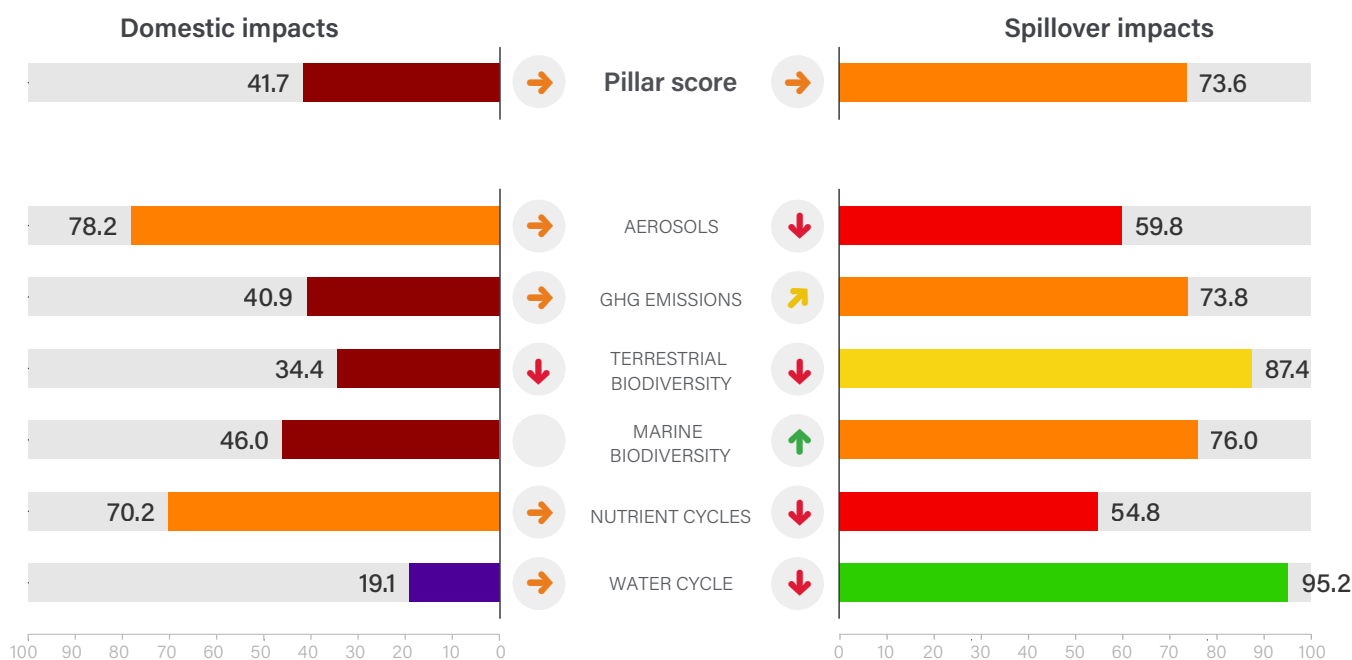
Latin America and Caribbean

Land area	1,083,300 sq. km	Population	11.7 million
GDP (PPP, constant 2017 US\$, billions)	\$92.6	GDP per capita	\$7,932
Human Development Index (HDI)	0.692	HDI category	Medium



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

95–100	None or limited
90–95	Low
80–90	Medium-low
70–80	Medium-high
50–70	High
30–50	Very high
0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Bolivia

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	1.59	kg/capita	86.2	●	↗	18.00 Gg 2018
Spillover SO ₂ emissions	3.09	kg/capita	59.8	●	↓	33.58 Gg 2015
Domestic NO _x emissions	11.49	kg/capita	86.5	●	↓	130.43 Gg 2018
Spillover NO _x emissions	2.52	kg/capita	63.4	●	↓	27.34 Gg 2015
Domestic black carbon emissions	0.49	kg/capita	64.2	●	↗	5.61 Gg 2018
Spillover black carbon emissions	0.14	kg/capita	56.3	●	↓	1.47 Gg 2015
GHG Emissions						
Domestic GHG emissions	5.89	t CO ₂ e/capita	58.1	●	↗	67.80 Tg 2019
Spillover GHG emissions	1.04	t CO ₂ e/capita	73.8	●	↗	11.76 Tg 2018
CO ₂ emissions embodied in fossil fuel exports	2.32	t CO ₂ e/capita	14.3	●	●	2712 Tg 2020
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	48.22	%	53.5	●	↓	48.22 % 2020
Unprotected freshwater biodiversity sites	58.68	%	43.7	●	↓	58.68 % 2020
Domestic land use related biodiversity loss	6.44 × 10 ⁻¹¹	global PDF/capita	14.4	●	↗	7.31 × 10 ⁻⁴ global PDF 2018
Spillover land use related biodiversity loss	2.37 × 10 ⁻¹²	global PDF/capita	88.8	●	↓	2.70 × 10 ⁻⁵ global PDF 2018
Domestic freshwater biodiversity threats	1.78	spp./million	16.2	●	●	20.16 species 2018
Spillover freshwater biodiversity threats	0.01	spp./million	71.5	●	●	0.15 species 2018
Domestic deforestation	0.66	%	50.7	●	↓	4.12 × 10 ⁵ hectares 2020
Spillover deforestation	6.98 × 10 ⁻⁴	ha/capita	91.9	●	↓	7.92 × 10 ³ hectares 2018
Red List Index of species survival	0.88	scale 0 to 1	66.9	●	↓	0.88 scale 0 to 1 2021
Biodiversity Habitat Index	0.58	scale 0 to 1	41.6	●	●	0.58 scale 0 to 1 2020
Domestic export of endangered terrestrial animals	3.74 × 10 ⁻³	WOE/million	61.0	●	●	4.31 × 10 ⁴ WOE 2019
Spillover endangered terrestrial animals	0.00	WOE/capita	100.0	●	●	0.00 WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	NA	WOE/million	NA	●	●	NA WOE NA
Spillover endangered marine animals	0.00	WOE/capita	100.0	●	●	0.00 WOE 2019
Unprotected marine biodiversity sites	NA	%	NA	●	●	NA % NA
Domestic marine biodiversity threats	0.31	spp./million	46.0	●	●	3.56 species 2018
Spillover marine biodiversity threats	0.00	spp./million	72.0	●	●	0.04 species 2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	●	●	NA % NA
Fish caught by trawling	NA	%	NA	●	●	NA % NA
Domestic vulnerable fisheries catch	NA	tonnes/capita	NA	●	●	NA Tg NA
Spillover vulnerable fisheries catch	2.01	tonnes/capita	61.0	●	↑	0.02 tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.51	scale 0 to 1.4	56.8	●	↗	0.51 scale 0 to 1.4 2015
Domestic nitrogen surplus	13.26	kg/capita	63.2	●	↓	144.15 Gg 2015
Spillover nitrogen surplus	2.27	kg/capita	44.4	●	↓	24.69 Tg 2015
Domestic phosphorus fertilizer	1.13	kg/capita	89.1	●	↗	12.85 kt 2018
Spillover phosphorus fertilizer	1.05	g/capita	67.7	●	↓	11.92 kt 2018
Water Cycle						
Domestic scarce water consumption	68.96	m ³ H ₂ O-eq./capita	14.7	●	↗	782.88 Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	26.65	m ³ H ₂ O-eq./capita	56.8	●	↓	88.58 Mm ³ H ₂ O-eq. 2018
Domestic water stress	0.24	ML H ₂ O-eq./capita	54.8	●	↗	2.73 Bm ³ H ₂ O-eq. 2018
Spillover water stress	0.86	m ³ H ₂ O-eq./capita	62.0	●	↓	2.87 Mm ³ H ₂ O-eq. 2018

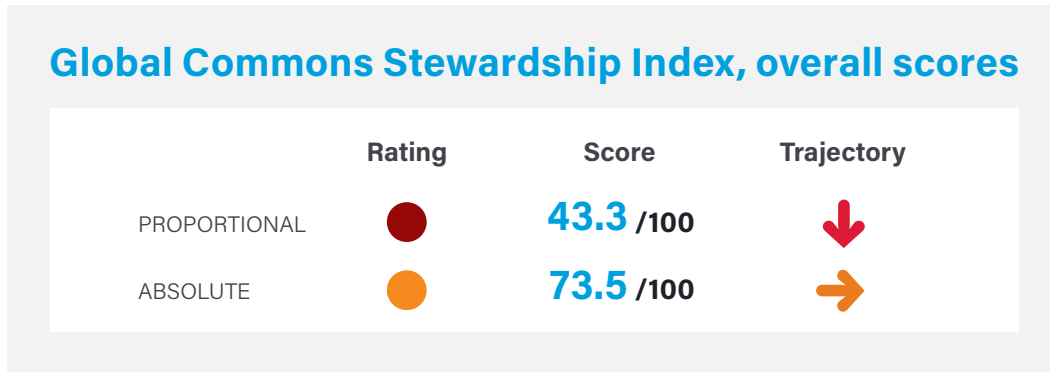
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Bosnia and Herzegovina

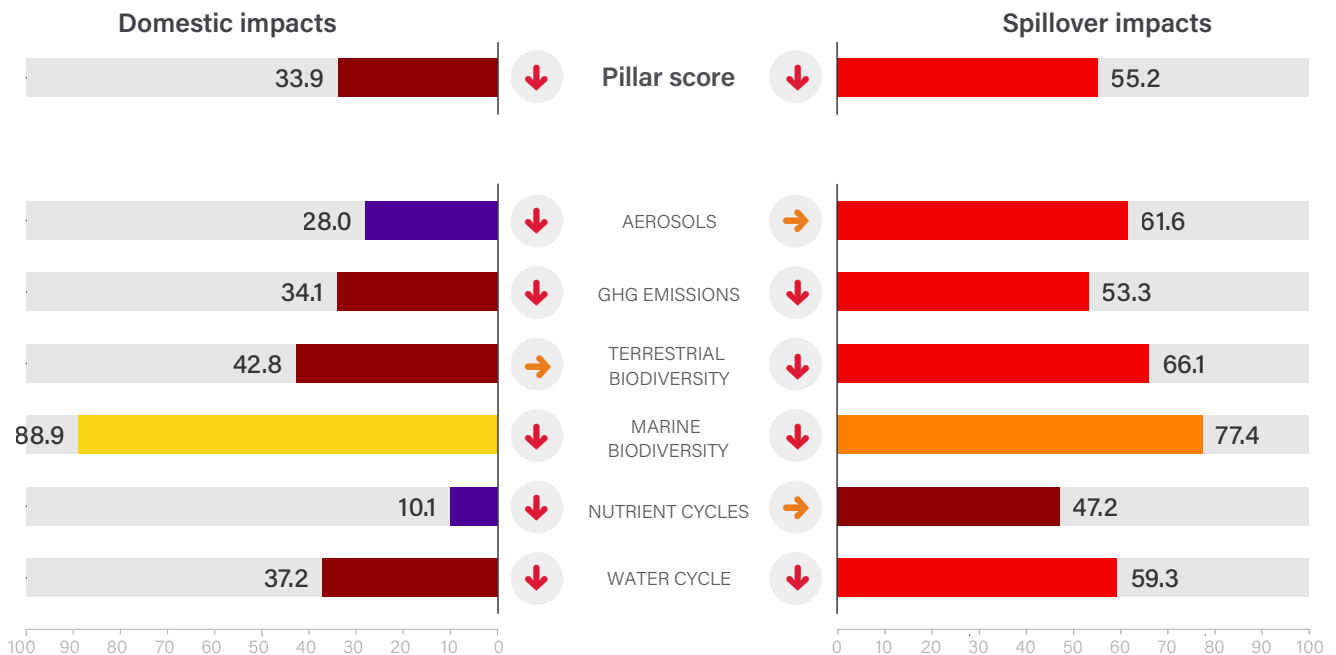
Eastern Europe and Central Asia

Land area	51,200 sq. km	Population	3.3 million
GDP (PPP, constant 2017 US\$, billions)	\$47.0	GDP per capita	\$14,340
Human Development Index (HDI)	0.780	HDI category	High



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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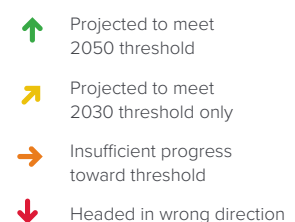
Dashboard categories

Negative impacts on the Global Commons



Trajectories

Based on 5-year growth rates



Bosnia and Herzegovina

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	54.72	kg/capita	4.7	● ↓	181.89	Gg	2018
Spillover SO ₂ emissions	3.36	kg/capita	57.5	● →	11.53	Gg	2015
Domestic NO _x emissions	15.01	kg/capita	79.3	● ↓	49.89	Gg	2018
Spillover NO _x emissions	2.91	kg/capita	59.5	● →	9.98	Gg	2015
Domestic black carbon emissions	0.56	kg/capita	58.5	● ↓	1.85	Gg	2018
Spillover black carbon emissions	0.09	kg/capita	68.3	● ↓	0.30	Gg	2015
GHG Emissions							
Domestic GHG emissions	10.55	t CO ₂ e/capita	35.5	● ↓	34.84	Tg	2019
Spillover GHG emissions	2.15	t CO ₂ e/capita	53.3	● ↓	7.15	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	0.07	t CO ₂ e/capita	30.3	● ●	0.23	Tg	2020
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	28.99	%	73.0	● ↓	28.99	%	2020
Unprotected freshwater biodiversity sites	99.96	%	1.0	● ↓	99.96	%	2020
Domestic land use related biodiversity loss	7.17 × 10 ⁻¹²	global PDF/capita	90.5	● ↓	2.38 × 10 ⁻⁵	global PDF	2018
Spillover land use related biodiversity loss	3.27 × 10 ⁻¹²	global PDF/capita	83.5	● ↓	1.09 × 10 ⁻⁵	global PDF	2018
Domestic freshwater biodiversity threats	5.36	spp./million	1.0	● ●	17.81	species	2018
Spillover freshwater biodiversity threats	0.21	spp./million	24.7	● ●	0.69	species	2018
Domestic deforestation	0.05	%	96.6	● ↓	1.17 × 10 ³	hectares	2020
Spillover deforestation	6.35 × 10 ⁻⁴	ha/capita	92.8	● ↓	2.11 × 10 ³	hectares	2018
Red List Index of species survival	0.90	scale 0 to 1	72.7	● ↗	0.90	scale 0 to 1	2021
Biodiversity Habitat Index	0.41	scale 0 to 1	17.5	● ●	0.41	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	0.00	WOE/million	100.0	● ●	0.00	WOE	2019
Spillover endangered terrestrial animals	0.00	WOE/capita	100.0	● ●	0.00	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE	2019
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE	2019
Unprotected marine biodiversity sites	NA	%	NA	● ●	NA	%	NA
Domestic marine biodiversity threats	0.06	spp./million	68.0	● ●	0.21	species	2018
Spillover marine biodiversity threats	0.00	spp./million	100.0	● ●	0.00	species	2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	● ●	NA	%	NA
Fish caught by trawling	0.00	%	100.0	● ●	0.00	%	2018
Domestic vulnerable fisheries catch	0.03	tonnes/capita	100.0	● ↓	0.00	Tg	2018
Spillover vulnerable fisheries catch	4.82	tonnes/capita	46.4	● ↓	0.02	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	1.00	scale 0 to 1.4	13.8	● ↓	1.00	scale 0 to 1.4	2015
Domestic nitrogen surplus	37.26	kg/capita	1.0	● ↓	127.79	Gg	2015
Spillover nitrogen surplus	1.53	kg/capita	51.9	● →	5.25	Tg	2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt	NA
Spillover phosphorus fertilizer	2.33	g/capita	43.0	● ↓	7.76	kt	2018
Water Cycle							
Domestic scarce water consumption	17.02	m ³ H ₂ O-eq./capita	30.4	● ↓	56.57	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	73.65	m ³ H ₂ O-eq./capita	30.3	● ↓	698.47	Mm ³ H ₂ O-eq.	2018
Domestic water stress	0.03	ML H ₂ O-eq./capita	83.1	● ↓	0.09	Bm ³ H ₂ O-eq.	2018
Spillover water stress	2.75	m ³ H ₂ O-eq./capita	32.0	● ↓	26.10	Mm ³ H ₂ O-eq.	2018

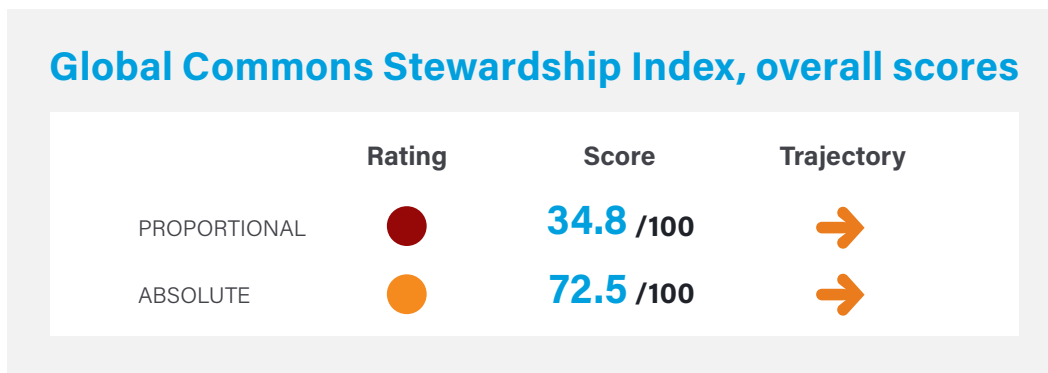
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Botswana

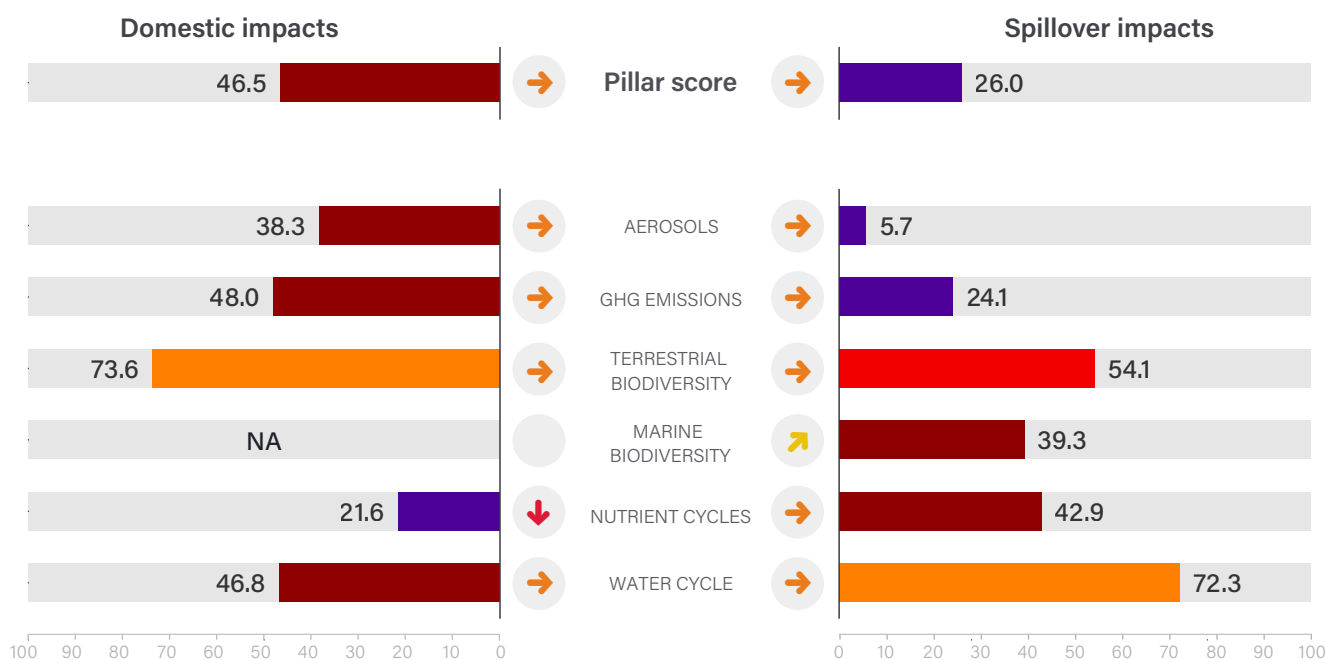
Africa

Land area	566,730 sq. km	Population	2.4 million
GDP (PPP, constant 2017 US\$, billions)	\$37.7	GDP per capita	\$16,040
Human Development Index (HDI)	0.693	HDI category	Medium



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

■	95–100	None or limited
■	90–95	Low
■	80–90	Medium-low
■	70–80	Medium-high
■	50–70	High
■	30–50	Very high
■	0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
➔	Insufficient progress toward threshold
⬇	Headed in wrong direction

Botswana

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	22.94	kg/capita	24.7	● ↓	51.72	Gg 2018
Spillover SO ₂ emissions	26.14	kg/capita	1.0	● →	55.44	Gg 2015
Domestic NO _x emissions	22.83	kg/capita	63.3	● ↓	51.47	Gg 2018
Spillover NO _x emissions	17.34	kg/capita	12.1	● →	36.77	Gg 2015
Domestic black carbon emissions	0.81	kg/capita	36.0	● →	1.82	Gg 2018
Spillover black carbon emissions	0.59	kg/capita	15.6	● ↓	1.25	Gg 2015
GHG Emissions						
Domestic GHG emissions	6.03	t CO ₂ e/capita	57.2	● →	13.88	Tg 2019
Spillover GHG emissions	6.09	t CO ₂ e/capita	24.1	● →	13.72	Tg 2018
CO ₂ emissions embodied in fossil fuel exports	0.11	t CO ₂ e/capita	28.4	● ●	0.25	Tg 2020
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	51.09	%	50.6	● ↓	51.09	% 2020
Unprotected freshwater biodiversity sites	52.12	%	50.5	● ↓	52.12	% 2020
Domestic land use related biodiversity loss	4.50 × 10 ⁻¹²	global PDF/capita	94.0	● →	1.01 × 10 ⁻⁵	global PDF 2018
Spillover land use related biodiversity loss	7.40 × 10 ⁻¹²	global PDF/capita	58.7	● →	1.67 × 10 ⁻⁵	global PDF 2018
Domestic freshwater biodiversity threats	1.69	spp./million	16.9	● ●	3.80	species 2018
Spillover freshwater biodiversity threats	0.32	spp./million	17.2	● ●	0.73	species 2018
Domestic deforestation	0.01	%	99.4	● ↑	3.89 × 10 ⁻¹	hectares 2020
Spillover deforestation	1.19 × 10 ⁻³	ha/capita	84.7	● →	2.67 × 10 ³	hectares 2018
Red List Index of species survival	0.98	scale 0 to 1	96.0	● ↓	0.98	scale 0 to 1 2021
Biodiversity Habitat Index	0.57	scale 0 to 1	41.0	● ●	0.57	scale 0 to 1 2020
Domestic export of endangered terrestrial animals	8.70 × 10 ⁻⁴	WOE/million	90.9	● ●	2.00 × 10 ³	WOE 2019
Spillover endangered terrestrial animals	5.86 × 10 ⁻⁶	WOE/capita	99.9	● ●	1.35 × 10	WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	NA	WOE/million	NA	● ●	NA	WOE NA
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE 2019
Unprotected marine biodiversity sites	NA	%	NA	● ●	NA	% NA
Domestic marine biodiversity threats	NA	spp./million	NA	● ●	NA	species NA
Spillover marine biodiversity threats	0.48	spp./million	10.5	● ●	1.08	species 2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	● ●	NA	% NA
Fish caught by trawling	NA	%	NA	● ●	NA	% NA
Domestic vulnerable fisheries catch	NA	tonnes/capita	NA	● ●	NA	Tg NA
Spillover vulnerable fisheries catch	2.48	tonnes/capita	57.5	● ↗	0.01	tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	1.30	scale 0 to 1.4	1.0	● ↓	1.30	scale 0 to 1.4 2015
Domestic nitrogen surplus	11.06	kg/capita	69.5	● ↓	23.46	Gg 2015
Spillover nitrogen surplus	3.06	kg/capita	38.7	● ↓	6.50	Tg 2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt NA
Spillover phosphorus fertilizer	2.02	g/capita	47.5	● →	4.55	kt 2018
Water Cycle						
Domestic scarce water consumption	4.63	m ³ H ₂ O-eq./capita	45.0	● ↓	10.44	Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	12.81	m ³ H ₂ O-eq./capita	75.8	● ↓	4.91	Mm ³ H ₂ O-eq. 2018
Domestic water stress	0.24	ML H ₂ O-eq./capita	54.7	● ↗	0.54	Bm ³ H ₂ O-eq. 2018
Spillover water stress	0.70	m ³ H ₂ O-eq./capita	67.3	● ↗	0.27	Mm ³ H ₂ O-eq. 2018

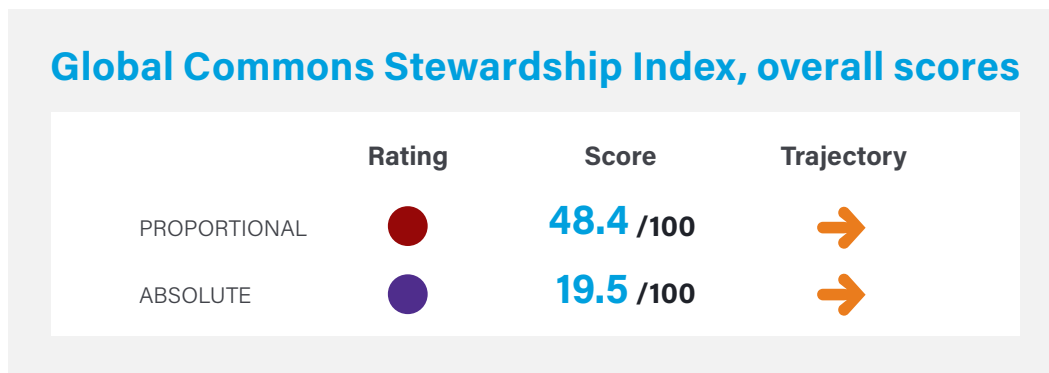
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Brazil

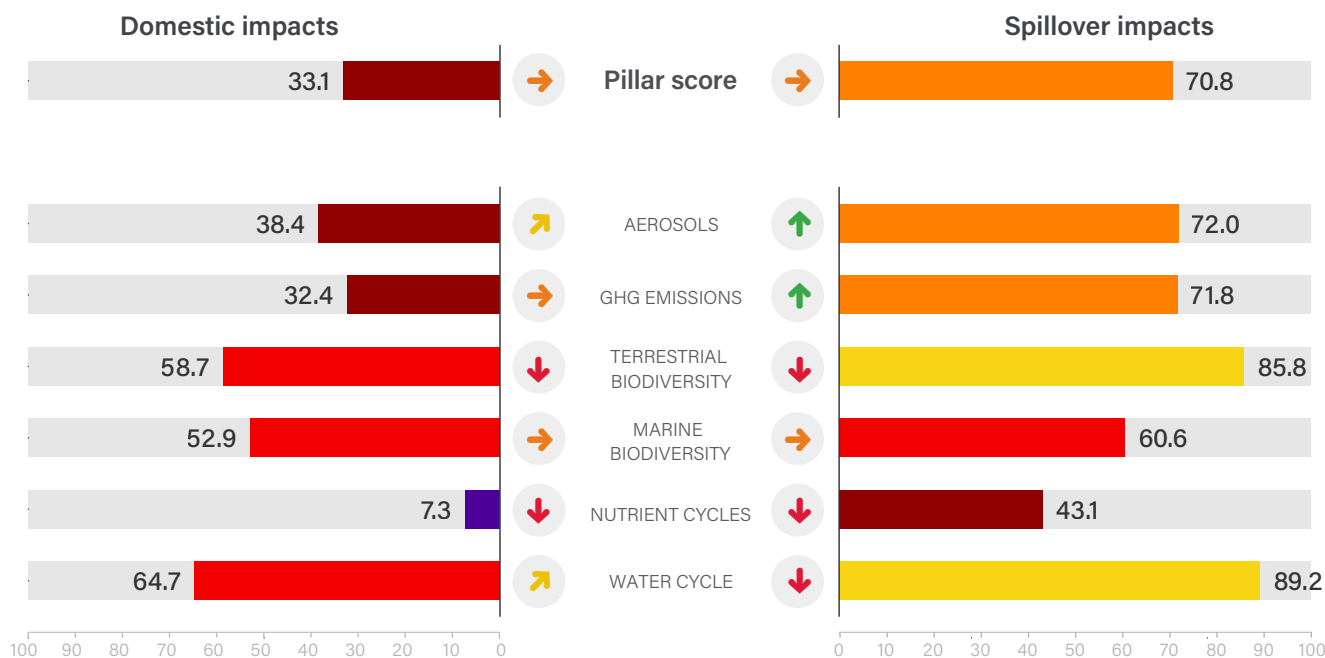
Latin America and Caribbean

Land area	8,358,140 sq. km	Population	212.6 million
GDP (PPP, constant 2017 US\$, billions)	\$2,989.4	GDP per capita	\$14,064
Human Development Index (HDI)	0.754	HDI category	High



Impacts by pillar and sub-pillar

Proportional scores and trajectories



The Global Commons Stewardship Index

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Dashboard categories

Negative impacts on the Global Commons

	95–100	None or limited
	90–95	Low
	80–90	Medium-low
	70–80	Medium-high
	50–70	High
	30–50	Very high
	0–30	Extreme

Trajectories

Based on 5-year growth rates

	Projected to meet 2050 threshold
	Projected to meet 2030 threshold only
	Insufficient progress toward threshold
	Headed in wrong direction

Brazil

Performance by Indicator

Indicator	Proportional		Score			Absolute		Year
	Value	Units				Value	Units	
Aerosols								
Domestic SO ₂ emissions	6.65	kg/capita	53.2	●	↑	1,393.31	Gg	2018
Spillover SO ₂ emissions	1.75	kg/capita	75.5	●	↑	358.19	Gg	2015
Domestic NO _x emissions	14.28	kg/capita	80.8	●	↑	2,991.26	Gg	2018
Spillover NO _x emissions	2.15	kg/capita	67.5	●	↑	440.13	Gg	2015
Domestic black carbon emissions	1.06	kg/capita	13.2	●	→	221.72	Gg	2018
Spillover black carbon emissions	0.07	kg/capita	73.4	●	↑	14.92	Gg	2015
GHG Emissions								
Domestic GHG emissions	9.91	t CO ₂ e/capita	37.9	●	→	2,091.46	Tg	2019
Spillover GHG emissions	1.11	t CO ₂ e/capita	71.8	●	↑	233.30	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	0.66	t CO ₂ e/capita	20.1	●	●	139.34	Tg	2020
Terrestrial Biodiversity Loss								
Unprotected terrestrial biodiversity sites	43.83	%	57.9	●	↓	43.83	%	2020
Unprotected freshwater biodiversity sites	28.30	%	75.1	●	↓	28.30	%	2020
Domestic land use related biodiversity loss	3.75 × 10 ⁻¹¹	global PDF/capita	50.1	●	→	7.86 × 10 ⁻³	global PDF	2018
Spillover land use related biodiversity loss	1.14 × 10 ⁻¹²	global PDF/capita	96.3	●	↓	2.38 × 10 ⁻⁴	global PDF	2018
Domestic freshwater biodiversity threats	0.29	spp./million	41.0	●	●	60.67	species	2018
Spillover freshwater biodiversity threats	0.03	spp./million	57.5	●	●	6.19	species	2018
Domestic deforestation	0.58	%	56.3	●	↓	2.90 × 10 ⁶	hectares	2020
Spillover deforestation	2.42 × 10 ⁻⁴	ha/capita	98.6	●	↓	5.08 × 10 ⁴	hectares	2018
Red List Index of species survival	0.90	scale 0 to 1	72.2	●	↓	0.90	scale 0 to 1	2021
Biodiversity Habitat Index	0.54	scale 0 to 1	36.7	●	●	0.54	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	9.40 × 10 ⁻⁵	WOE/million	99.0	●	●	1.98 × 10 ⁴	WOE	2019
Spillover endangered terrestrial animals	7.83 × 10 ⁻⁵	WOE/capita	99.1	●	●	1.65 × 10 ⁴	WOE	2019
Marine Biodiversity Loss								
Domestic export of endangered marine animals	4.52 × 10 ⁻⁶	WOE/million	99.8	●	●	9.54 × 10 ²	WOE	2019
Spillover endangered marine animals	6.66 × 10 ⁻⁵	WOE/capita	95.7	●	●	1.41 × 10 ⁴	WOE	2019
Unprotected marine biodiversity sites	66.47	%	34.2	●	↓	66.47	%	2020
Domestic marine biodiversity threats	0.60	spp./million	36.9	●	●	126.42	species	2018
Spillover marine biodiversity threats	0.03	spp./million	45.8	●	●	6.43	species	2018
Fish caught from overexploited or collapsed stocks	14.10	%	77.5	●	→	14.10	%	2018
Fish caught by trawling	14.41	%	76.6	●	→	14.41	%	2018
Domestic vulnerable fisheries catch	5.27	tonnes/capita	46.6	●	↗	1.10	Tg	2018
Spillover vulnerable fisheries catch	3.72	tonnes/capita	50.7	●	→	0.78	tonnes	2018
Nutrient Cycles								
Sustainable Nitrogen Management Index	0.50	scale 0 to 1.4	57.2	●	↓	0.50	scale 0 to 1.4	2015
Domestic nitrogen surplus	36.07	kg/capita	1.0	●	↓	7,376.14	Gg	2015
Spillover nitrogen surplus	6.32	kg/capita	25.0	●	↓	1,291.54	Tg	2015
Domestic phosphorus fertilizer	24.38	kg/capita	7.0	●	→	5,106.94	kt	2018
Spillover phosphorus fertilizer	0.85	g/capita	74.2	●	↓	178.48	kt	2018
Water Cycle								
Domestic scarce water consumption	0.71	m ³ H ₂ O-eq./capita	66.1	●	↗	148.59	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	3.56	m ³ H ₂ O-eq./capita	100.0	●	↓	40.38	Mm ³ H ₂ O-eq.	2018
Domestic water stress	0.17	ML H ₂ O-eq./capita	59.4	●	↗	35.37	Bm ³ H ₂ O-eq.	2018
Spillover water stress	0.29	m ³ H ₂ O-eq./capita	90.5	●	↓	3.25	Mm ³ H ₂ O-eq.	2018

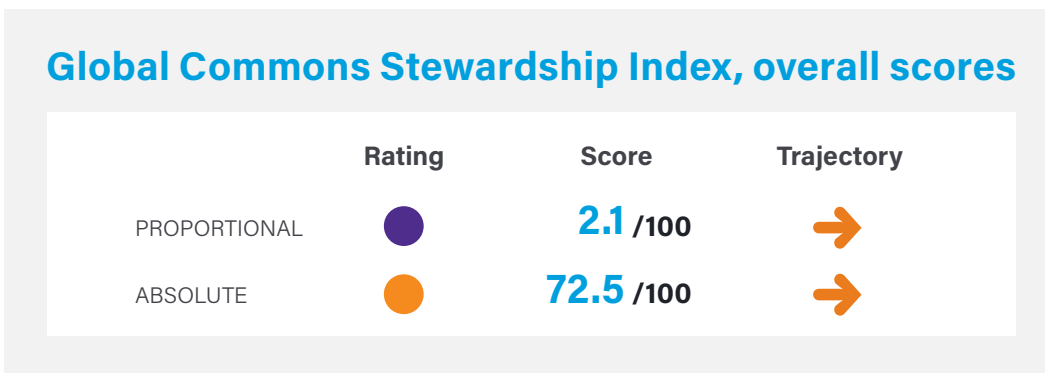
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Brunei Darussalam

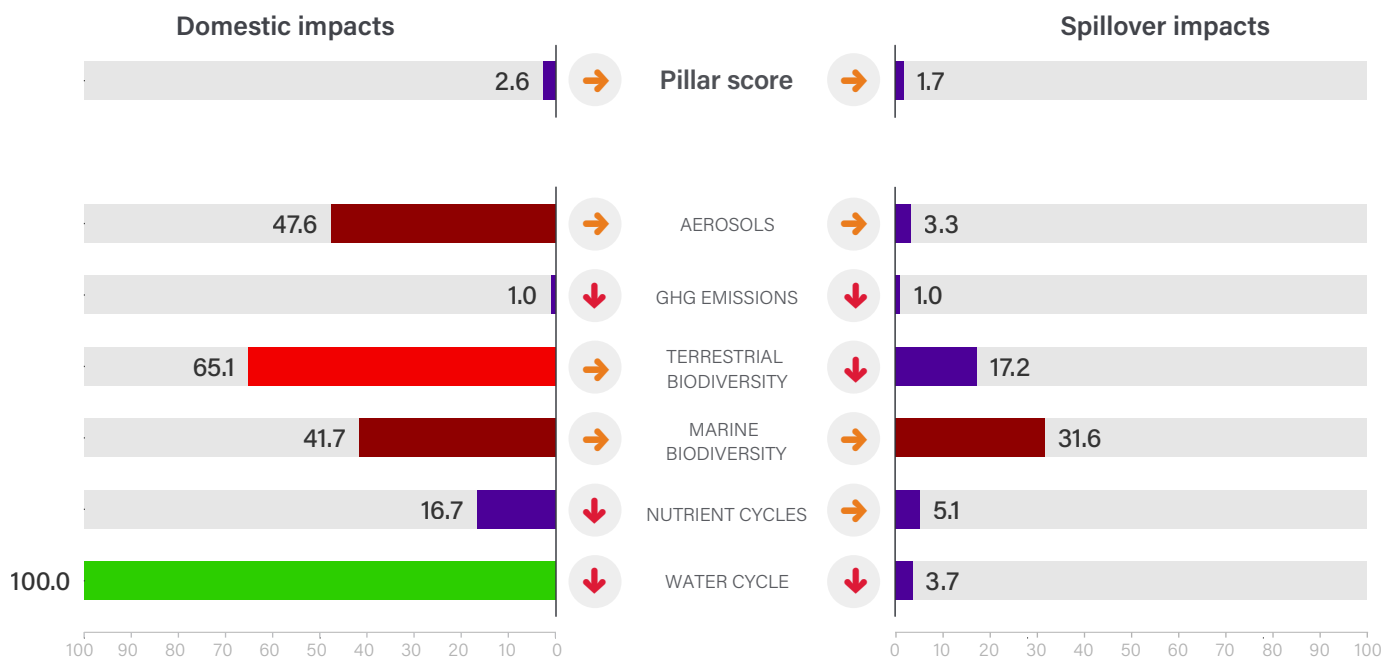
East and South Asia

Land area	5,270 sq. km	Population	0.4 million
GDP (PPP, constant 2017 US\$, billions)	\$27.2	GDP per capita	\$62,244
Human Development Index (HDI)	0.829	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Trajectories

Based on 5-year growth rates

	Projected to meet 2050 threshold
	Projected to meet 2030 threshold only
	Insufficient progress toward threshold
	Headed in wrong direction

Brunei Darussalam

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	10.04	kg/capita	43.7	● ↓	4.31	Gg 2018
Spillover SO ₂ emissions	24.02	kg/capita	3.2	● →	9.97	Gg 2015
Domestic NO _x emissions	37.40	kg/capita	33.5	● →	16.04	Gg 2018
Spillover NO _x emissions	23.66	kg/capita	3.9	● →	9.82	Gg 2015
Domestic black carbon emissions	0.39	kg/capita	73.7	● →	0.17	Gg 2018
Spillover black carbon emissions	0.93	kg/capita	2.8	● →	0.39	Gg 2015
GHG Emissions						
Domestic GHG emissions	30.40	t CO ₂ e/capita	1.0	● ↓	13.17	Tg 2019
Spillover GHG emissions	13.87	t CO ₂ e/capita	1.0	● ↓	5.95	Tg 2018
CO ₂ emissions embodied in fossil fuel exports	65.92	t CO ₂ e/capita	1.0	● ●	28.84	Tg 2020
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	41.66	%	60.1	● ↓	41.66	% 2020
Unprotected freshwater biodiversity sites	50.00	%	52.7	● ↓	50.00	% 2020
Domestic land use related biodiversity loss	2.07 × 10 ⁻¹¹	global PDF/capita	72.5	● →	8.88 × 10 ⁻⁶	global PDF 2018
Spillover land use related biodiversity loss	2.67 × 10 ⁻¹¹	global PDF/capita	1.0	● ↓	1.14 × 10 ⁻⁵	global PDF 2018
Domestic freshwater biodiversity threats	0.06	spp./million	62.0	● ●	0.03	species 2018
Spillover freshwater biodiversity threats	0.03	spp./million	58.8	● ●	0.01	species 2018
Domestic deforestation	0.19	%	86.0	● →	9.83 × 10 ²	hectares 2020
Spillover deforestation	5.94 × 10 ⁻³	ha/capita	15.0	● ↓	2.55 × 10 ³	hectares 2018
Red List Index of species survival	0.85	scale 0 to 1	58.7	● ↓	0.85	scale 0 to 1 2021
Biodiversity Habitat Index	0.57	scale 0 to 1	40.6	● ●	0.57	scale 0 to 1 2020
Domestic export of endangered terrestrial animals	0.00	WOE/million	100.0	● ●	0.00	WOE 2019
Spillover endangered terrestrial animals	0.00	WOE/capita	100.0	● ●	0.00	WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE 2019
Spillover endangered marine animals	2.31 × 10 ⁻⁴	WOE/capita	85.2	● ●	1.00 × 10 ²	WOE 2019
Unprotected marine biodiversity sites	5.45	%	94.6	● ↓	5.45	% 2020
Domestic marine biodiversity threats	0.26	spp./million	48.6	● ●	0.11	species 2018
Spillover marine biodiversity threats	0.04	spp./million	41.4	● ●	0.02	species 2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	● ●	NA	% NA
Fish caught by trawling	31.94	%	47.8	● ↓	31.94	% 2018
Domestic vulnerable fisheries catch	79.19	tonnes/capita	11.0	● →	0.03	Tg 2018
Spillover vulnerable fisheries catch	45.34	tonnes/capita	9.0	● →	0.02	tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	1.37	scale 0 to 1.4	1.0	● →	1.37	scale 0 to 1.4 2015
Domestic nitrogen surplus	10.34	kg/capita	71.6	● ↓	4.29	Gg 2015
Spillover nitrogen surplus	6.13	kg/capita	25.5	● ↓	2.54	Tg 2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt NA
Spillover phosphorus fertilizer	12.46	g/capita	1.0	● →	5.34	kt 2018
Water Cycle						
Domestic scarce water consumption	0.00	m ³ H ₂ O-eq./capita	100.0	● ↓	0.00	Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	6.12	m ³ H ₂ O-eq./capita	95.1	● ↓	1,282.89	Mm ³ H ₂ O-eq. 2018
Domestic water stress	0.00	ML H ₂ O-eq./capita	100.0	● ↓	0.00	Bm ³ H ₂ O-eq. 2018
Spillover water stress	0.37	m ³ H ₂ O-eq./capita	83.7	● ↓	78.06	Mm ³ H ₂ O-eq. 2018

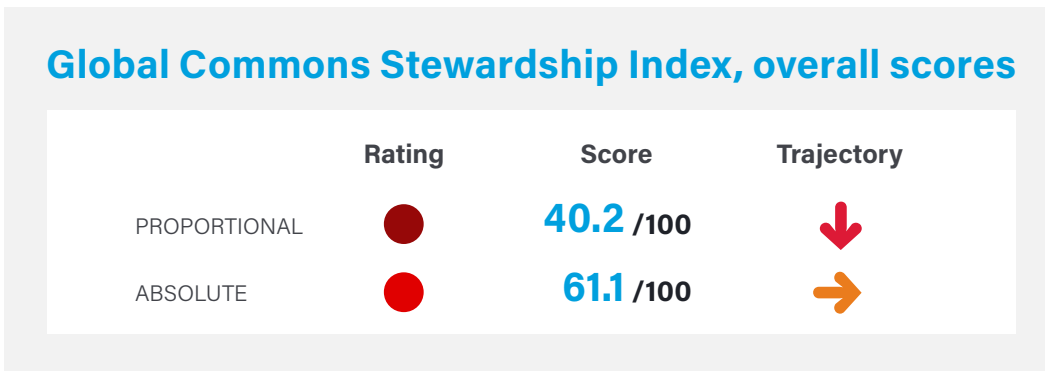
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Bulgaria

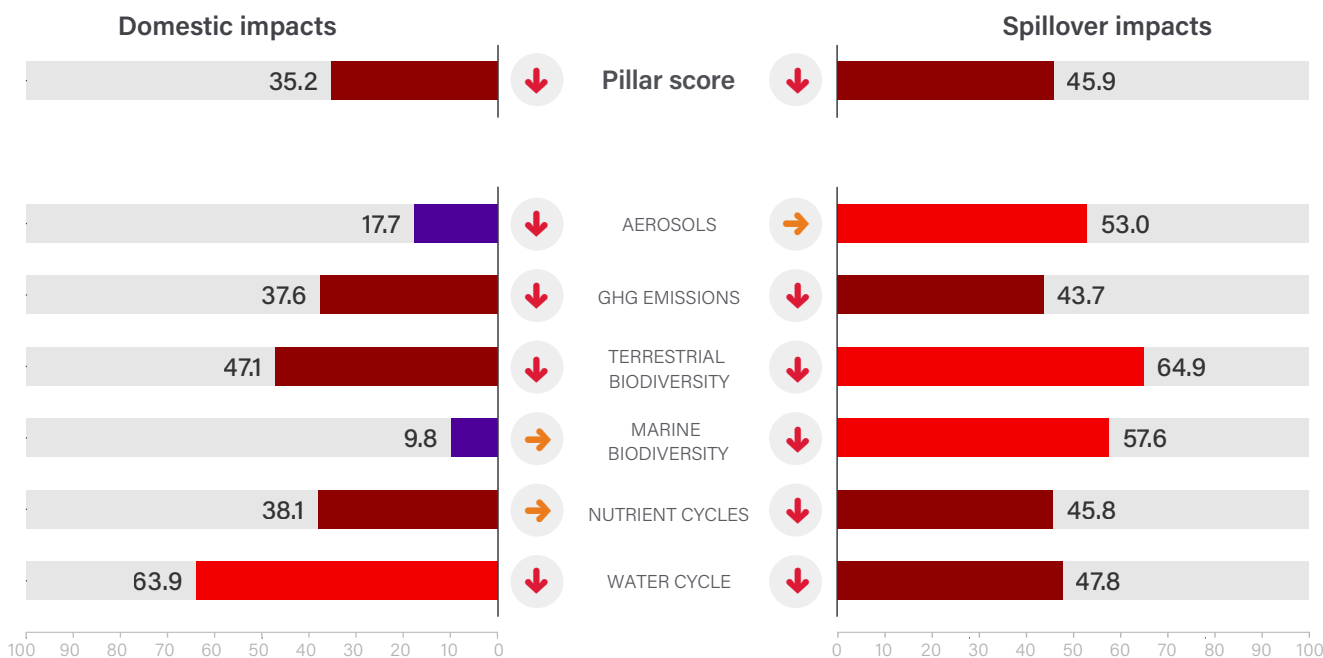
Eastern Europe and Central Asia

Land area	108,560 sq. km	Population	6.9 million
GDP (PPP, constant 2017 US\$, billions)	\$155.1	GDP per capita	\$22,384
Human Development Index (HDI)	0.795	HDI category	High



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons



Trajectories

Based on 5-year growth rates



Bulgaria

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	64.39	kg/capita	1.0	● →	452.34	Gg	2018
Spillover SO ₂ emissions	3.91	kg/capita	53.3	● →	28.06	Gg	2015
Domestic NO _x emissions	13.43	kg/capita	82.5	● ↓	94.37	Gg	2018
Spillover NO _x emissions	4.60	kg/capita	47.4	● →	33.01	Gg	2015
Domestic black carbon emissions	0.47	kg/capita	66.7	● ↓	3.28	Gg	2018
Spillover black carbon emissions	0.12	kg/capita	59.0	● ↓	0.88	Gg	2015
GHG Emissions							
Domestic GHG emissions	9.78	t CO ₂ e/capita	38.4	● ↓	68.25	Tg	2019
Spillover GHG emissions	3.03	t CO ₂ e/capita	43.7	● ↓	21.31	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	0.02	t CO ₂ e/capita	35.2	● ●	0.17	Tg	2020
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	96.61	%	4.4	● ↓	96.61	%	2020
Unprotected freshwater biodiversity sites	98.67	%	2.4	● ↓	98.67	%	2020
Domestic land use related biodiversity loss	4.67 × 10 ⁻¹²	global PDF/capita	93.8	● ↓	3.28 × 10 ⁻⁵	global PDF	2018
Spillover land use related biodiversity loss	5.45 × 10 ⁻¹²	global PDF/capita	70.4	● ↓	3.83 × 10 ⁻⁵	global PDF	2018
Domestic freshwater biodiversity threats	2.02	spp./million	14.4	● ●	14.26	species	2018
Spillover freshwater biodiversity threats	0.15	spp./million	29.6	● ●	1.09	species	2018
Domestic deforestation	0.14	%	89.3	● ↓	5.62 × 10 ³	hectares	2020
Spillover deforestation	1.16 × 10 ⁻³	ha/capita	85.0	● ↓	8.18 × 10 ³	hectares	2018
Red List Index of species survival	0.94	scale 0 to 1	83.7	● ↓	0.94	scale 0 to 1	2021
Biodiversity Habitat Index	0.34	scale 0 to 1	8.7	● ●	0.34	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	1.29 × 10 ⁻⁶	WOE/million	100.0	● ●	9.00	WOE	2019
Spillover endangered terrestrial animals	9.46 × 10 ⁻⁶	WOE/capita	99.9	● ●	6.60 × 10	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE	2019
Spillover endangered marine animals	6.34 × 10 ⁻⁵	WOE/capita	96.0	● ●	4.42 × 10 ²	WOE	2019
Unprotected marine biodiversity sites	99.65	%	1.3	● ↓	99.65	%	2020
Domestic marine biodiversity threats	0.03	spp./million	79.5	● ●	0.20	species	2018
Spillover marine biodiversity threats	0.02	spp./million	49.5	● ●	0.16	species	2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	● ●	NA	%	NA
Fish caught by trawling	62.89	%	1.0	● →	62.89	%	2018
Domestic vulnerable fisheries catch	5.09	tonnes/capita	47.0	● →	0.04	Tg	2018
Spillover vulnerable fisheries catch	6.96	tonnes/capita	40.3	● ↓	0.05	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	0.52	scale 0 to 1.4	55.8	● →	0.52	scale 0 to 1.4	2015
Domestic nitrogen surplus	21.93	kg/capita	38.2	● →	157.41	Gg	2015
Spillover nitrogen surplus	2.37	kg/capita	43.6	● ↓	17.04	Tg	2015
Domestic phosphorus fertilizer	10.86	kg/capita	28.6	● ↓	76.27	kt	2018
Spillover phosphorus fertilizer	1.98	g/capita	48.1	● ↓	13.89	kt	2018
Water Cycle							
Domestic scarce water consumption	0.35	m ³ H ₂ O-eq./capita	74.0	● ↓	2.46	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	227.22	m ³ H ₂ O-eq./capita	1.0	● ↓	97.47	Mm ³ H ₂ O-eq.	2018
Domestic water stress	1.07	ML H ₂ O-eq./capita	35.5	● ↓	7.53	Bm ³ H ₂ O-eq.	2018
Spillover water stress	5.63	m ³ H ₂ O-eq./capita	13.5	● ↓	2.42	Mm ³ H ₂ O-eq.	2018

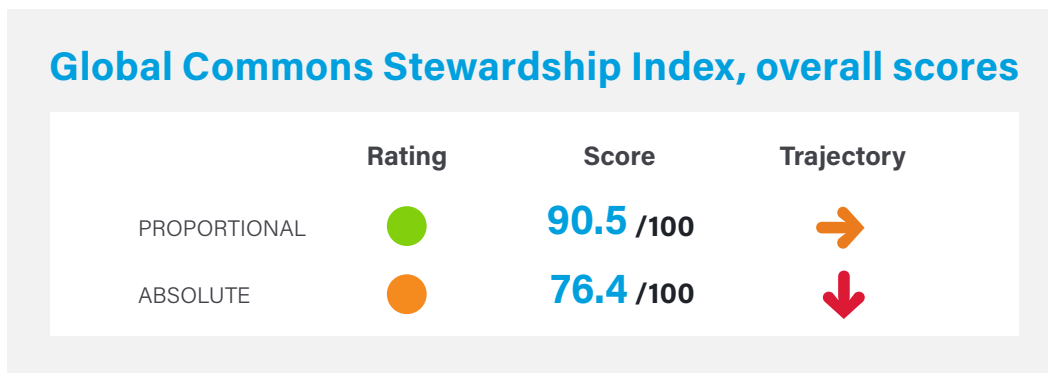
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Burkina Faso

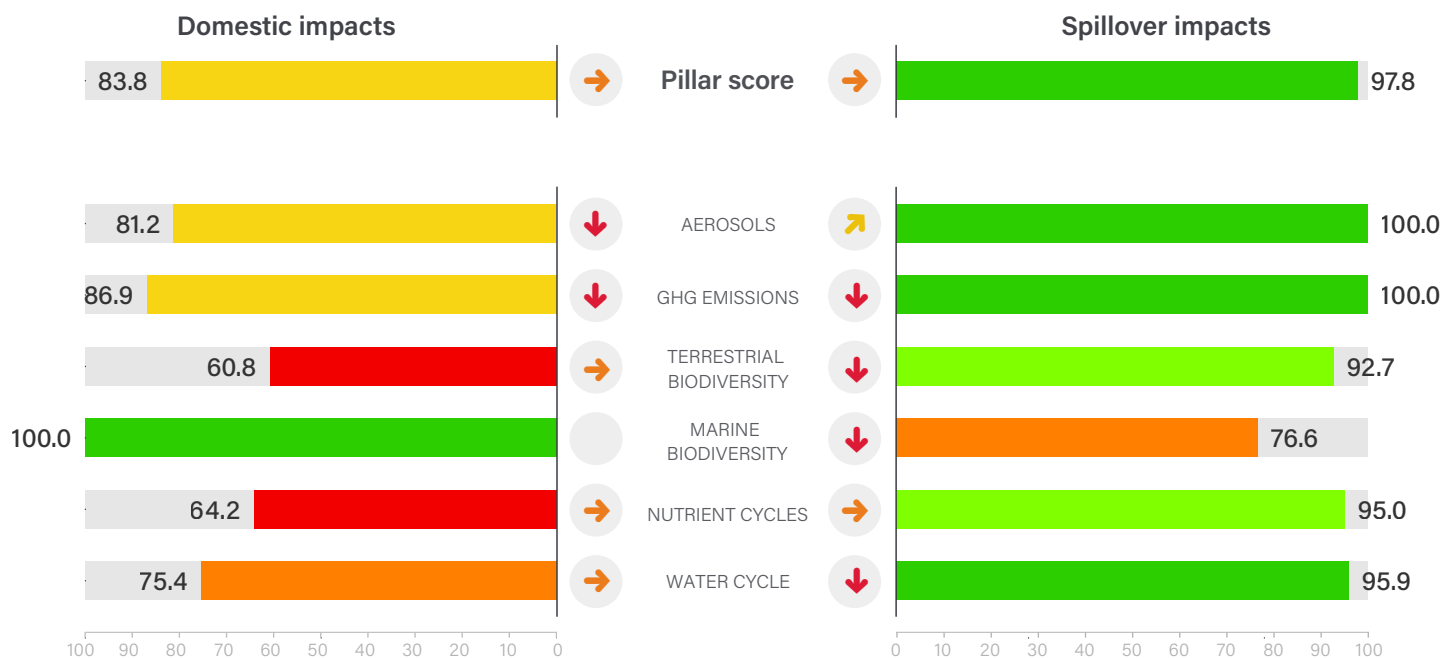
Africa

Land area	273,600 sq. km	Population	20.9 million
GDP (PPP, constant 2017 US\$, billions)	\$45.2	GDP per capita	\$2,161
Human Development Index (HDI)	0.449	HDI category	Low



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

■	95–100	None or limited
■	90–95	Low
■	80–90	Medium-low
■	70–80	Medium-high
■	50–70	High
■	30–50	Very high
■	0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
➔	Insufficient progress toward threshold
⬇	Headed in wrong direction

Burkina Faso

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	1.09	kg/capita	94.8	●	↓	21.60 Gg 2018
Spillover SO ₂ emissions	0.43	kg/capita	100.0	●	↓	7.85 Gg 2015
Domestic NO _x emissions	2.77	kg/capita	100.0	●	↓	54.64 Gg 2018
Spillover NO _x emissions	0.45	kg/capita	100.0	●	↑	8.14 Gg 2015
Domestic black carbon emissions	0.58	kg/capita	56.5	●	→	11.43 Gg 2018
Spillover black carbon emissions	0.02	kg/capita	100.0	●	↑	0.34 Gg 2015
GHG Emissions						
Domestic GHG emissions	2.80	t CO ₂ e/capita	86.9	●	↓	56.96 Tg 2019
Spillover GHG emissions	0.36	t CO ₂ e/capita	100.0	●	↓	7.07 Tg 2018
CO ₂ emissions embodied in fossil fuel exports	NA	t CO ₂ e/capita	NA	●	●	NA Tg NA
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	66.71	%	34.7	●	↓	66.71 % 2020
Unprotected freshwater biodiversity sites	50.18	%	52.5	●	↓	50.18 % 2020
Domestic land use related biodiversity loss	5.39 × 10 ⁻¹³	global PDF/capita	99.3	●	↗	1.07 × 10 ⁻⁵ global PDF 2018
Spillover land use related biodiversity loss	5.39 × 10 ⁻¹³	global PDF/capita	99.8	●	↓	1.06 × 10 ⁻⁵ global PDF 2018
Domestic freshwater biodiversity threats	0.26	spp./million	42.6	●	●	5.11 species 2018
Spillover freshwater biodiversity threats	0.01	spp./million	79.4	●	●	0.16 species 2018
Domestic deforestation	0.00	%	100.0	●	●	0.00 hectares 2020
Spillover deforestation	6.20 × 10 ⁻⁴	ha/capita	93.0	●	↓	1.22 × 10 ⁴ hectares 2018
Red List Index of species survival	0.99	scale 0 to 1	99.4	●	↓	0.99 scale 0 to 1 2021
Biodiversity Habitat Index	0.28	scale 0 to 1	1.0	●	●	0.28 scale 0 to 1 2020
Domestic export of endangered terrestrial animals	0.00	WOE/million	100.0	●	●	0.00 WOE 2019
Spillover endangered terrestrial animals	0.00	WOE/capita	100.0	●	●	0.00 WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	NA	WOE/million	NA	●	●	NA WOE NA
Spillover endangered marine animals	0.00	WOE/capita	100.0	●	●	0.00 WOE 2019
Unprotected marine biodiversity sites	NA	%	NA	●	●	NA % NA
Domestic marine biodiversity threats	0.00	spp./million	100.0	●	●	0.05 species 2018
Spillover marine biodiversity threats	0.01	spp./million	66.4	●	●	0.12 species 2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	●	●	NA % NA
Fish caught by trawling	NA	%	NA	●	●	NA % NA
Domestic vulnerable fisheries catch	NA	tonnes/capita	NA	●	●	NA Tg NA
Spillover vulnerable fisheries catch	1.35	tonnes/capita	67.6	●	↓	0.03 tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.83	scale 0 to 1.4	29.1	●	→	0.83 scale 0 to 1.4 2015
Domestic nitrogen surplus	3.23	kg/capita	92.1	●	↗	58.41 Gg 2015
Spillover nitrogen surplus	0.20	kg/capita	90.2	●	↑	3.67 Tg 2015
Domestic phosphorus fertilizer	1.16	kg/capita	88.5	●	↗	22.85 kt 2018
Spillover phosphorus fertilizer	0.23	g/capita	100.0	●	↓	4.52 kt 2018
Water Cycle						
Domestic scarce water consumption	0.22	m ³ H ₂ O-eq./capita	79.3	●	↓	4.31 Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	98.98	m ³ H ₂ O-eq./capita	22.6	●	↓	74.67 Mm ³ H ₂ O-eq. 2018
Domestic water stress	0.14	ML H ₂ O-eq./capita	61.6	●	↗	2.79 Bm ³ H ₂ O-eq. 2018
Spillover water stress	1.85	m ³ H ₂ O-eq./capita	42.3	●	↓	1.40 Mm ³ H ₂ O-eq. 2018

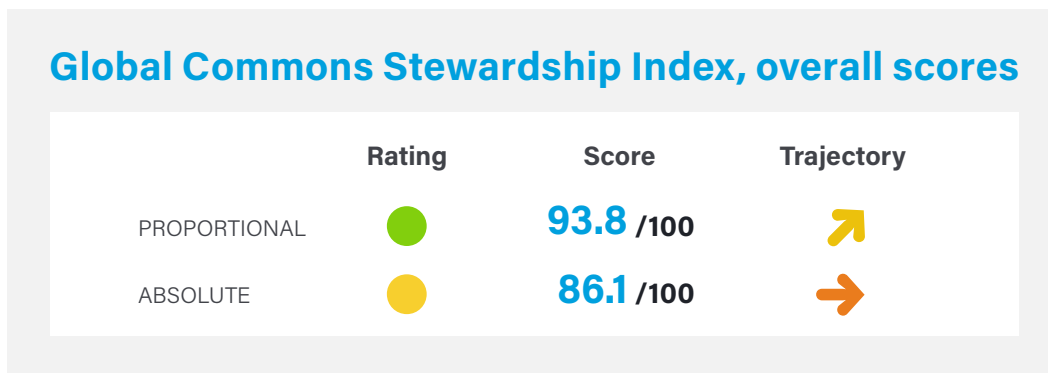
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Burundi

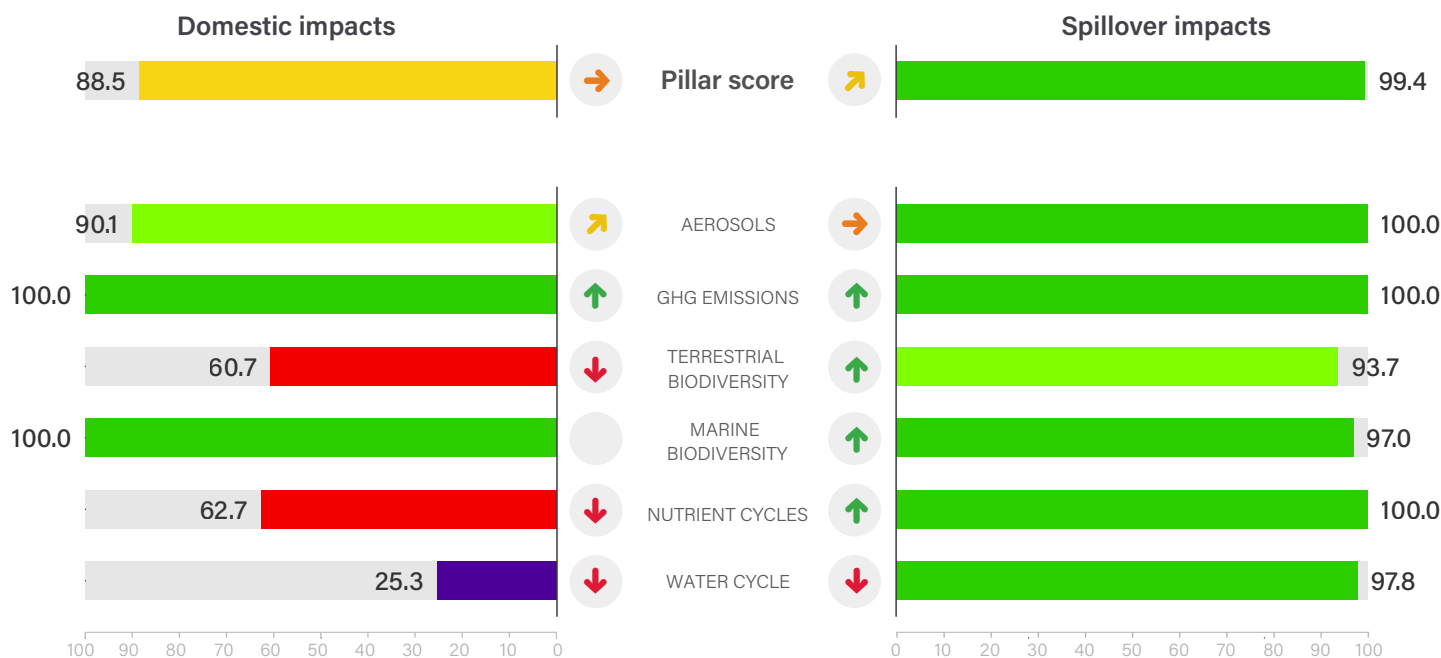
Africa

Land area	25,680 sq. km	Population	11.9 million
GDP (PPP, constant 2017 US\$, billions)	\$8.7	GDP per capita	\$731
Human Development Index (HDI)	0.426	HDI category	Low



Impacts by pillar and sub-pillar

Proportional scores and trajectories



The Global Commons Stewardship Index

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Dashboard categories

Negative impacts on the Global Commons

■	95–100	None or limited
■	90–95	Low
■	80–90	Medium-low
■	70–80	Medium-high
■	50–70	High
■	30–50	Very high
■	0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Burundi

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	0.33	kg/capita	100.0	● ↑	3.66	Gg 2018
Spillover SO ₂ emissions	0.19	kg/capita	100.0	● ↑	1.88	Gg 2015
Domestic NO _x emissions	0.80	kg/capita	100.0	● ↑	8.92	Gg 2018
Spillover NO _x emissions	0.18	kg/capita	100.0	● ↓	1.82	Gg 2015
Domestic black carbon emissions	0.40	kg/capita	73.1	● →	4.42	Gg 2018
Spillover black carbon emissions	0.02	kg/capita	100.0	● ↓	0.24	Gg 2015
GHG Emissions						
Domestic GHG emissions	1.39	t CO ₂ e/capita	100.0	● ↑	16.07	Tg 2019
Spillover GHG emissions	0.09	t CO ₂ e/capita	100.0	● ↑	1.00	Tg 2018
CO ₂ emissions embodied in fossil fuel exports	NA	t CO ₂ e/capita	NA	● ●	NA	Tg NA
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	56.83	%	44.8	● ↓	56.83	% 2020
Unprotected freshwater biodiversity sites	79.95	%	21.7	● ↓	79.95	% 2020
Domestic land use related biodiversity loss	2.02 × 10 ⁻¹²	global PDF/capita	97.3	● ↓	2.26 × 10 ⁻⁵	global PDF 2018
Spillover land use related biodiversity loss	1.27 × 10 ⁻¹³	global PDF/capita	100.0	● ↑	1.42 × 10 ⁻⁶	global PDF 2018
Domestic freshwater biodiversity threats	0.87	spp./million	25.9	● ●	9.75	species 2018
Spillover freshwater biodiversity threats	0.01	spp./million	77.1	● ●	0.10	species 2018
Domestic deforestation	0.43	%	68.1	● ↓	2.35 × 10 ³	hectares 2020
Spillover deforestation	1.21 × 10 ⁻⁴	ha/capita	100.0	● ↑	1.35 × 10 ³	hectares 2018
Red List Index of species survival	0.89	scale 0 to 1	70.0	● ↓	0.89	scale 0 to 1 2021
Biodiversity Habitat Index	0.40	scale 0 to 1	15.9	● ●	0.40	scale 0 to 1 2020
Domestic export of endangered terrestrial animals	0.00	WOE/million	100.0	● ●	0.00	WOE 2019
Spillover endangered terrestrial animals	0.00	WOE/capita	100.0	● ●	0.00	WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	NA	WOE/million	NA	● ●	NA	WOE NA
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE 2019
Unprotected marine biodiversity sites	NA	%	NA	● ●	NA	% NA
Domestic marine biodiversity threats	0.00	spp./million	100.0	● ●	0.04	species 2018
Spillover marine biodiversity threats	0.00	spp./million	91.1	● ●	0.01	species 2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	● ●	NA	% NA
Fish caught by trawling	NA	%	NA	● ●	NA	% NA
Domestic vulnerable fisheries catch	NA	tonnes/capita	NA	● ●	NA	Tg NA
Spillover vulnerable fisheries catch	0.08	tonnes/capita	100.0	● ↑	0.00	tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.87	scale 0 to 1.4	25.0	● ↓	0.87	scale 0 to 1.4 2015
Domestic nitrogen surplus	1.25	kg/capita	97.8	● ↓	12.72	Gg 2015
Spillover nitrogen surplus	0.09	kg/capita	100.0	● ↑	0.90	Tg 2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt NA
Spillover phosphorus fertilizer	0.08	g/capita	100.0	● ↑	0.92	kt 2018
Water Cycle						
Domestic scarce water consumption	25.51	m ³ H ₂ O-eq./capita	25.9	● ↓	285.13	Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	10.63	m ³ H ₂ O-eq./capita	80.7	● ↓	23.96	Mm ³ H ₂ O-eq. 2018
Domestic water stress	2.74	ML H ₂ O-eq./capita	23.4	● ↓	30.63	Bm ³ H ₂ O-eq. 2018
Spillover water stress	0.78	m ³ H ₂ O-eq./capita	64.7	● ↓	1.75	Mm ³ H ₂ O-eq. 2018

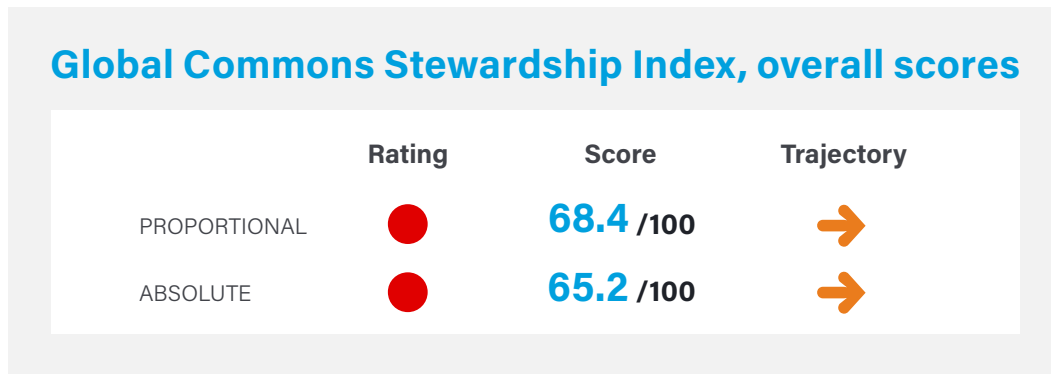
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Cambodia

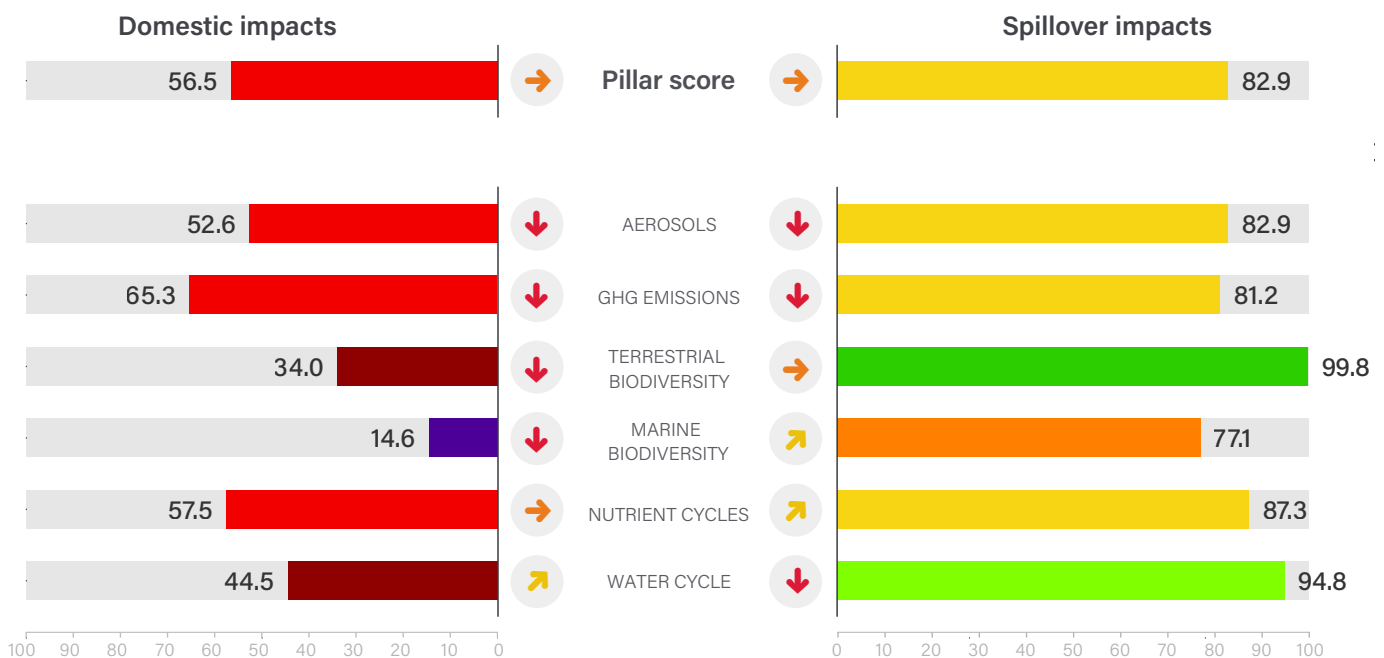
East and South Asia

Land area	176,520 sq. km	Population	16.7 million
GDP (PPP, constant 2017 US\$, billions)	\$70.1	GDP per capita	\$4,192
Human Development Index (HDI)	0.593	HDI category	Medium



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

■	95–100	None or limited
■	90–95	Low
■	80–90	Medium-low
■	70–80	Medium-high
■	50–70	High
■	30–50	Very high
■	0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Cambodia

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	3.43	kg/capita	68.5	● ↓	55.66	Gg 2018
Spillover SO ₂ emissions	1.30	kg/capita	83.7	● ↓	20.15	Gg 2015
Domestic NO _x emissions	5.53	kg/capita	98.7	● ↓	89.82	Gg 2018
Spillover NO _x emissions	1.16	kg/capita	84.0	● ↓	17.95	Gg 2015
Domestic black carbon emissions	0.97	kg/capita	21.5	● ↓	15.71	Gg 2018
Spillover black carbon emissions	0.06	kg/capita	80.9	● ↓	0.86	Gg 2015
GHG Emissions						
Domestic GHG emissions	4.89	t CO ₂ e/capita	65.3	● ↓	80.67	Tg 2019
Spillover GHG emissions	0.80	t CO ₂ e/capita	81.2	● ↓	12.93	Tg 2018
CO ₂ emissions embodied in fossil fuel exports	NA	t CO ₂ e/capita	NA	● ●	NA	Tg NA
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	54.54	%	471	● ↓	54.54	% 2020
Unprotected freshwater biodiversity sites	45.04	%	578	● ↓	45.04	% 2020
Domestic land use related biodiversity loss	5.29 × 10 ⁻¹²	global PDF/capita	93.0	● →	8.59 × 10 ⁻⁵	global PDF 2018
Spillover land use related biodiversity loss	6.26 × 10 ⁻¹³	global PDF/capita	99.3	● ↑	1.02 × 10 ⁻⁵	global PDF 2018
Domestic freshwater biodiversity threats	2.87	spp./million	9.6	● ●	46.62	species 2018
Spillover freshwater biodiversity threats	0.00	spp./million	100.0	● ●	0.04	species 2018
Domestic deforestation	1.73	%	1.0	● →	1.32 × 10 ⁵	hectares 2020
Spillover deforestation	1.37 × 10 ⁻⁴	ha/capita	100.0	● ↓	2.23 × 10 ³	hectares 2018
Red List Index of species survival	0.78	scale 0 to 1	36.5	● ↓	0.78	scale 0 to 1 2021
Biodiversity Habitat Index	0.36	scale 0 to 1	10.7	● ●	0.36	scale 0 to 1 2020
Domestic export of endangered terrestrial animals	0.00	WOE/million	100.0	● ●	0.00	WOE 2019
Spillover endangered terrestrial animals	0.00	WOE/capita	100.0	● ●	0.00	WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	1.22 × 10 ⁻²	WOE/million	1.0	● ●	2.01 × 10 ⁵	WOE 2019
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE 2019
Unprotected marine biodiversity sites	51.03	%	49.5	● ↓	51.03	% 2020
Domestic marine biodiversity threats	0.16	spp./million	55.4	● ●	2.59	species 2018
Spillover marine biodiversity threats	0.01	spp./million	67.7	● ●	0.09	species 2018
Fish caught from overexploited or collapsed stocks	46.94	%	25.1	● ↓	46.94	% 2018
Fish caught by trawling	90.26	%	1.0	● ↓	90.26	% 2018
Domestic vulnerable fisheries catch	41.57	tonnes/capita	19.4	● →	0.68	Tg 2018
Spillover vulnerable fisheries catch	1.34	tonnes/capita	67.7	● ↗	0.02	tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.55	scale 0 to 1.4	53.2	● →	0.55	scale 0 to 1.4 2015
Domestic nitrogen surplus	6.51	kg/capita	82.6	● ↓	101.10	Gg 2015
Spillover nitrogen surplus	0.36	kg/capita	79.2	● ↓	5.63	Tg 2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt NA
Spillover phosphorus fertilizer	0.42	g/capita	96.1	● ↑	6.82	kt 2018
Water Cycle						
Domestic scarce water consumption	6.77	m ³ H ₂ O-eq./capita	40.8	● ↗	110.04	Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	18.10	m ³ H ₂ O-eq./capita	66.8	● ↓	84.46	Mm ³ H ₂ O-eq. 2018
Domestic water stress	0.12	ML H ₂ O-eq./capita	63.4	● ↗	2.00	Bm ³ H ₂ O-eq. 2018
Spillover water stress	0.96	m ³ H ₂ O-eq./capita	59.2	● ↓	4.49	Mm ³ H ₂ O-eq. 2018

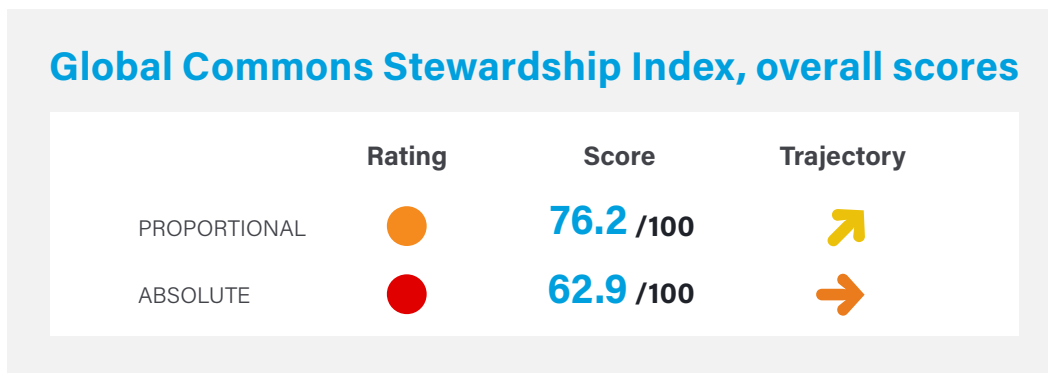
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Cameroon

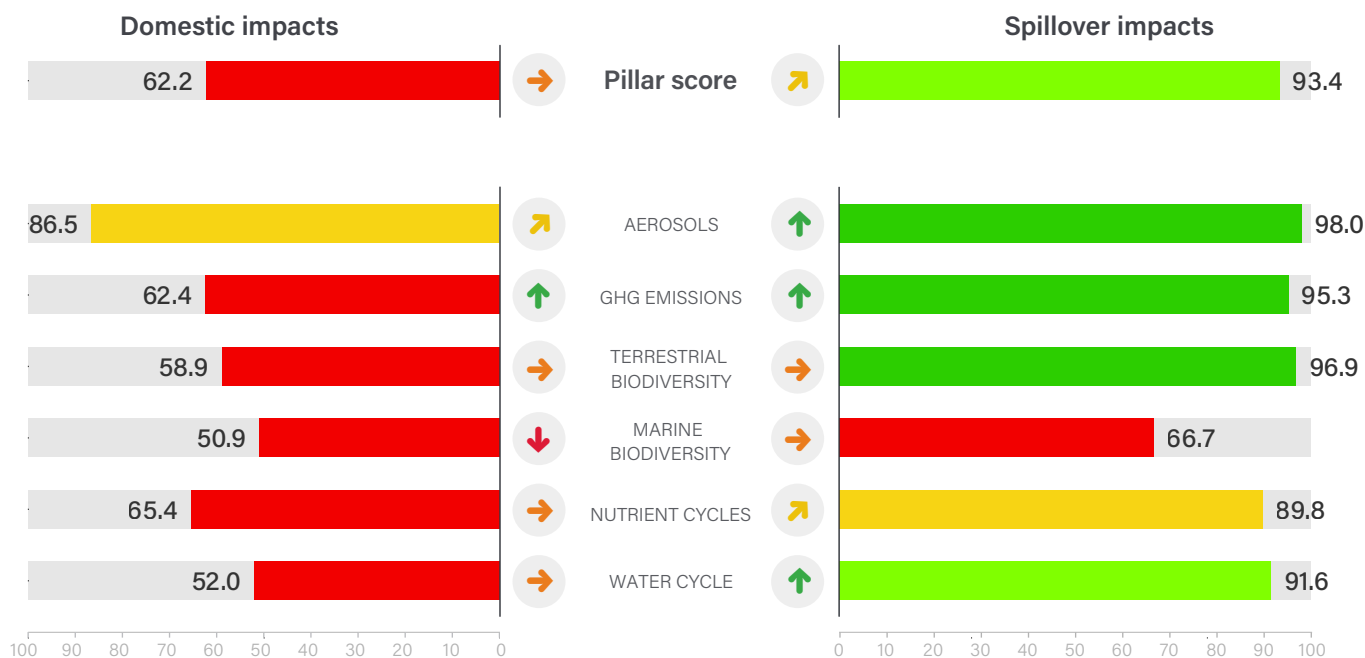
Africa

Land area	472,710 sq. km	Population	26.5 million
GDP (PPP, constant 2017 US\$, billions)	\$94.9	GDP per capita	\$3,576
Human Development Index (HDI)	0.576	HDI category	Medium



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

Dark Green	95–100	None or limited
Light Green	90–95	Low
Yellow	80–90	Medium-low
Orange	70–80	Medium-high
Red	50–70	High
Dark Red	30–50	Very high
Purple	0–30	Extreme

Trajectories

Based on 5-year growth rates

Green arrow up	Projected to meet 2050 threshold
Yellow arrow up-right	Projected to meet 2030 threshold only
Orange arrow right	Insufficient progress toward threshold
Red arrow down	Headed in wrong direction

Cameroon

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	0.92	kg/capita	98.7	●	↑	23.21 Gg
Spillover SO ₂ emissions	0.72	kg/capita	100.0	●	↑	16.69 Gg
Domestic NO _x emissions	2.52	kg/capita	100.0	●	↑	63.62 Gg
Spillover NO _x emissions	0.76	kg/capita	95.2	●	↑	17.73 Gg
Domestic black carbon emissions	0.48	kg/capita	65.6	●	→	12.05 Gg
Spillover black carbon emissions	0.03	kg/capita	99.0	●	↑	0.67 Gg
GHG Emissions						
Domestic GHG emissions	2.66	t CO ₂ e/capita	88.9	●	↑	68.91 Tg
Spillover GHG emissions	0.48	t CO ₂ e/capita	95.3	●	↑	12.13 Tg
CO ₂ emissions embodied in fossil fuel exports	0.48	t CO ₂ e/capita	21.5	●	●	12.03 Tg
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	35.33	%	66.6	●	↓	35.33 %
Unprotected freshwater biodiversity sites	41.27	%	61.7	●	↓	41.27 %
Domestic land use related biodiversity loss	5.09 × 10 ⁻¹²	global PDF/capita	93.3	●	→	1.28 × 10 ⁻⁴ global PDF
Spillover land use related biodiversity loss	8.42 × 10 ⁻¹³	global PDF/capita	98.0	●	↑	2.12 × 10 ⁻⁵ global PDF
Domestic freshwater biodiversity threats	2.85	spp./million	9.7	●	●	71.86 species
Spillover freshwater biodiversity threats	0.00	spp./million	94.3	●	●	0.08 species
Domestic deforestation	0.48	%	64.1	●	↓	1.46 × 10 ⁵ hectares
Spillover deforestation	4.66 × 10 ⁻⁴	ha/capita	95.3	●	↓	1.17 × 10 ⁴ hectares
Red List Index of species survival	0.84	scale 0 to 1	53.8	●	↓	0.84 scale 0 to 1
Biodiversity Habitat Index	0.57	scale 0 to 1	40.1	●	●	0.57 scale 0 to 1
Domestic export of endangered terrestrial animals	4.48 × 10 ⁻⁵	WOE/million	99.5	●	●	1.16 × 10 ³ WOE
Spillover endangered terrestrial animals	0.00	WOE/capita	100.0	●	●	0.00 WOE
Marine Biodiversity Loss						
Domestic export of endangered marine animals	0.00	WOE/million	100.0	●	●	0.00 WOE
Spillover endangered marine animals	0.00	WOE/capita	100.0	●	●	0.00 WOE
Unprotected marine biodiversity sites	NA	%	NA	●	●	NA %
Domestic marine biodiversity threats	0.37	spp./million	43.8	●	●	9.29 species
Spillover marine biodiversity threats	0.00	spp./million	80.2	●	●	0.05 species
Fish caught from overexploited or collapsed stocks	NA	%	NA	●	●	NA %
Fish caught by trawling	9.04	%	85.4	●	↓	9.04 %
Domestic vulnerable fisheries catch	19.33	tonnes/capita	29.5	●	↓	0.49 Tg
Spillover vulnerable fisheries catch	8.50	tonnes/capita	36.9	●	→	0.21 tonnes
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.81	scale 0 to 1.4	30.5	●	→	0.81 scale 0 to 1.4
Domestic nitrogen surplus	3.29	kg/capita	91.9	●	↗	76.69 Gg
Spillover nitrogen surplus	0.20	kg/capita	90.8	●	↓	4.58 Tg
Domestic phosphorus fertilizer	NA	kg/capita	NA	●	●	NA kt
Spillover phosphorus fertilizer	0.53	g/capita	88.8	●	↑	13.40 kt
Water Cycle						
Domestic scarce water consumption	3.03	m ³ H ₂ O-eq./capita	49.8	●	↗	76.53 Mm ³ H ₂ O-eq.
Spillover scarce water consumption	75.51	m ³ H ₂ O-eq./capita	29.7	●	↑	2,798.68 Mm ³ H ₂ O-eq.
Domestic water stress	0.14	ML H ₂ O-eq./capita	62.2	●	↓	3.42 Bm ³ H ₂ O-eq.
Spillover water stress	3.80	m ³ H ₂ O-eq./capita	23.7	●	↑	141.03 Mm ³ H ₂ O-eq.

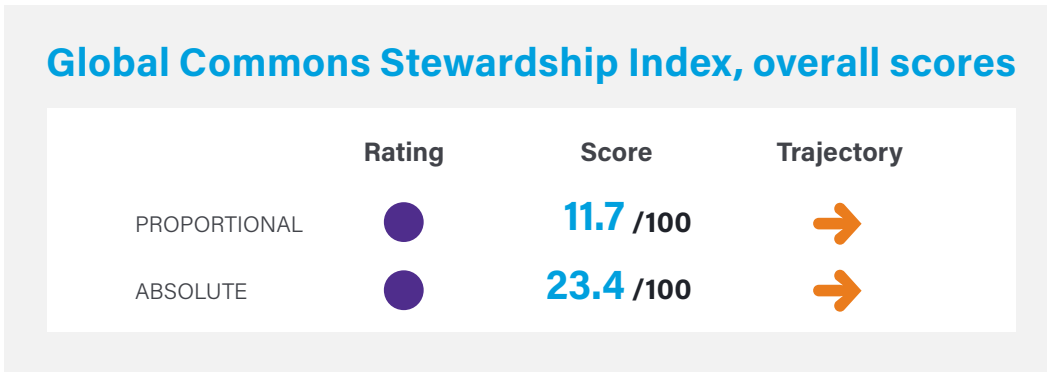
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Canada

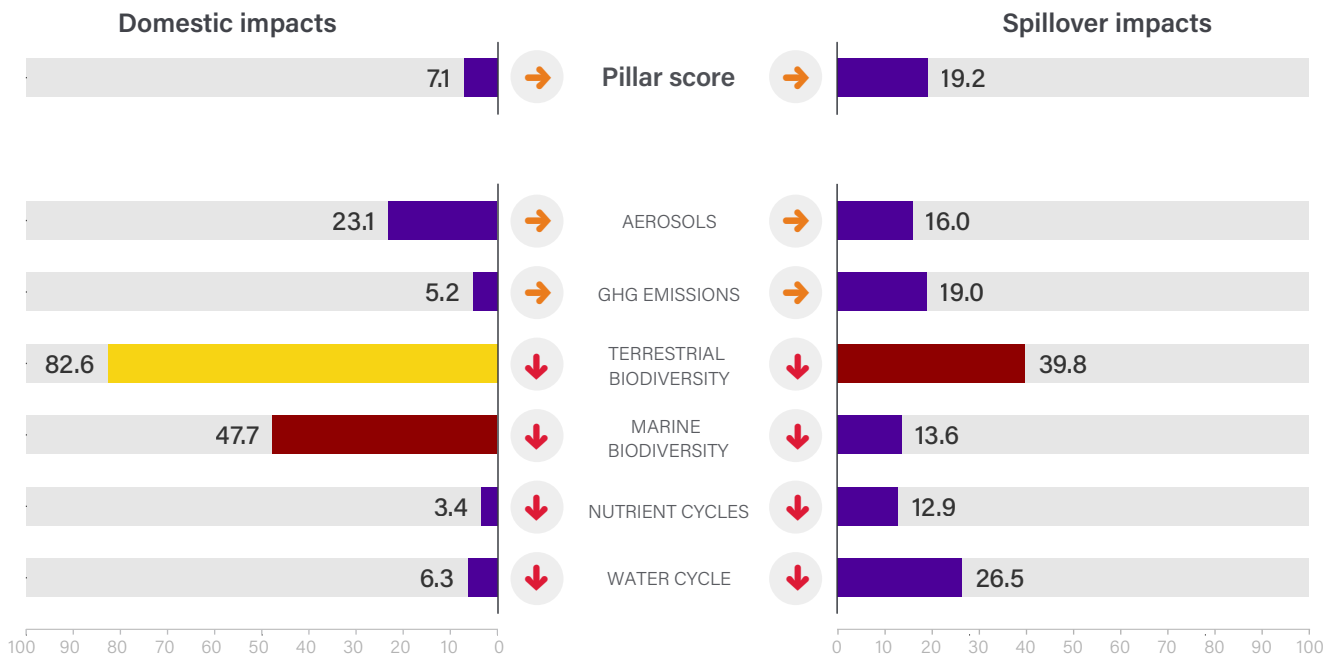
OECD Member

Land area	8,965,590 sq. km	Population	38.0 million
GDP (PPP, constant 2017 US\$, billions)	\$1,744.4	GDP per capita	\$45,900
Human Development Index (HDI)	0.936	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories

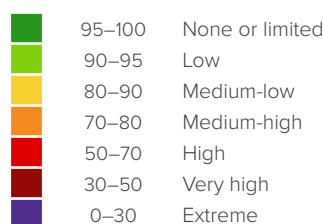


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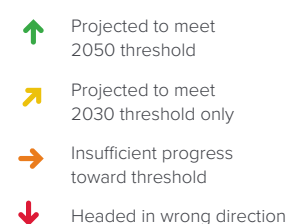
Dashboard categories

Negative impacts on the Global Commons



Trajectories

Based on 5-year growth rates



Canada

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	23.42	kg/capita	24.3	● →	867.96	Gg 2018
Spillover SO ₂ emissions	13.39	kg/capita	19.4	● →	478.04	Gg 2015
Domestic NO _x emissions	40.86	kg/capita	26.4	● →	1,514.53	Gg 2018
Spillover NO _x emissions	17.49	kg/capita	11.9	● →	624.40	Gg 2015
Domestic black carbon emissions	0.99	kg/capita	19.3	● →	36.71	Gg 2018
Spillover black carbon emissions	0.55	kg/capita	17.7	● →	19.46	Gg 2015
GHG Emissions						
Domestic GHG emissions	23.08	t CO ₂ e/capita	5.1	● →	867.54	Tg 2019
Spillover GHG emissions	7.30	t CO ₂ e/capita	19.0	● →	270.44	Tg 2018
CO ₂ emissions embodied in fossil fuel exports	16.55	t CO ₂ e/capita	5.4	● ●	629.02	Tg 2021
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	29.85	%	72.1	● ↓	29.85	% 2020
Unprotected freshwater biodiversity sites	22.86	%	80.7	● ↓	22.86	% 2020
Domestic land use related biodiversity loss	3.12 × 10 ⁻¹²	global PDF/capita	95.9	● →	1.16 × 10 ⁻⁴	global PDF 2018
Spillover land use related biodiversity loss	8.84 × 10 ⁻¹²	global PDF/capita	50.1	● ↓	3.28 × 10 ⁻⁴	global PDF 2018
Domestic freshwater biodiversity threats	0.58	spp./million	31.7	● ●	21.32	species 2018
Spillover freshwater biodiversity threats	0.54	spp./million	8.5	● ●	20.10	species 2018
Domestic deforestation	0.21	%	84.0	● ↓	8.98 × 10 ⁵	hectares 2020
Spillover deforestation	2.80 × 10 ⁻³	ha/capita	61.0	● ↓	1.04 × 10 ⁵	hectares 2018
Red List Index of species survival	0.96	scale 0 to 1	92.4	● ↓	0.96	scale 0 to 1 2021
Biodiversity Habitat Index	0.79	scale 0 to 1	71.3	● ●	0.79	scale 0 to 1 2020
Domestic export of endangered terrestrial animals	3.18 × 10 ⁻⁴	WOE/million	96.7	● ●	1.20 × 10 ⁴	WOE 2019
Spillover endangered terrestrial animals	2.82 × 10 ⁻⁴	WOE/capita	96.7	● ●	1.06 × 10 ⁴	WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	1.58 × 10 ⁻⁴	WOE/million	94.6	● ●	5.94 × 10 ³	WOE 2019
Spillover endangered marine animals	3.44 × 10 ⁻⁴	WOE/capita	78.0	● ●	1.29 × 10 ⁴	WOE 2019
Unprotected marine biodiversity sites	35.62	%	64.7	● ↓	35.62	% 2020
Domestic marine biodiversity threats	0.20	spp./million	52.1	● ●	7.51	species 2018
Spillover marine biodiversity threats	0.90	spp./million	2.4	● ●	33.43	species 2018
Fish caught from overexploited or collapsed stocks	36.28	%	42.1	● →	36.28	% 2018
Fish caught by trawling	26.46	%	56.8	● ↓	26.46	% 2018
Domestic vulnerable fisheries catch	26.07	tonnes/capita	25.6	● ↓	0.97	Tg 2018
Spillover vulnerable fisheries catch	34.50	tonnes/capita	13.5	● ↓	1.28	tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.47	scale 0 to 1.4	60.1	● ↓	0.47	scale 0 to 1.4 2015
Domestic nitrogen surplus	43.20	kg/capita	1.0	● ↓	1,542.28	Gg 2015
Spillover nitrogen surplus	13.67	kg/capita	10.3	● ↓	488.10	Tg 2015
Domestic phosphorus fertilizer	30.49	kg/capita	1.0	● ↓	1,130.00	kt 2018
Spillover phosphorus fertilizer	5.55	g/capita	16.1	● ↓	205.88	kt 2018
Water Cycle						
Domestic scarce water consumption	184.02	m ³ H ₂ O-eq./capita	3.7	● ↓	6,820.90	Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	104.56	m ³ H ₂ O-eq./capita	21.2	● ↓	890.22	Mm ³ H ₂ O-eq. 2018
Domestic water stress	0.26	ML H ₂ O-eq./capita	54.0	● ↓	9.46	Bm ³ H ₂ O-eq. 2018
Spillover water stress	3.02	m ³ H ₂ O-eq./capita	29.6	● ↓	25.71	Mm ³ H ₂ O-eq. 2018

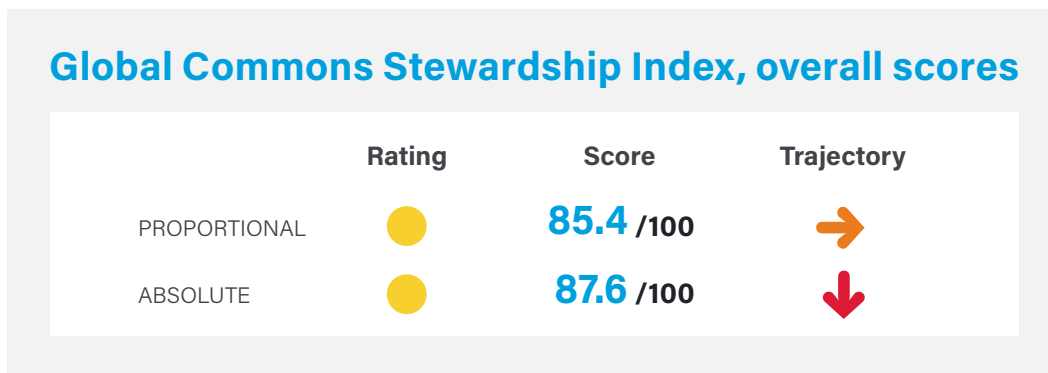
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Central African Republic

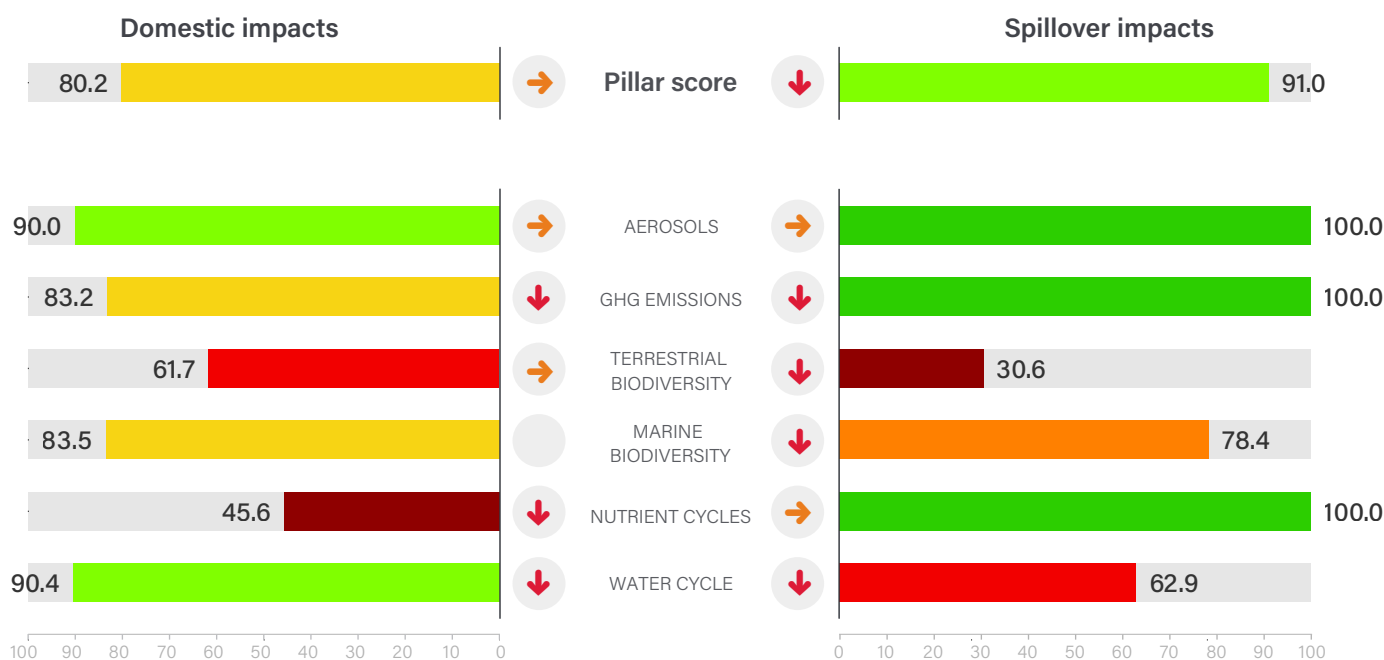
Africa

Land area	622,980 sq. km	Population	4.8 million
GDP (PPP, constant 2017 US\$, billions)	\$4.5	GDP per capita	\$929
Human Development Index (HDI)	0.404	HDI category	Low



Impacts by pillar and sub-pillar

Proportional scores and trajectories

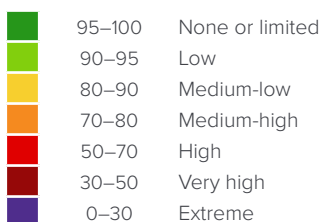


The Global Commons Stewardship Index

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Dashboard categories

Negative impacts on the Global Commons



Trajectories

Based on 5-year growth rates



Central African Republic

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	0.59	kg/capita	100.0	●	↑	2.76 Gg 2018
Spillover SO ₂ emissions	0.23	kg/capita	100.0	●	↓	1.01 Gg 2015
Domestic NO _x emissions	2.03	kg/capita	100.0	●	↓	9.48 Gg 2018
Spillover NO _x emissions	0.32	kg/capita	100.0	●	↑	1.45 Gg 2015
Domestic black carbon emissions	0.40	kg/capita	72.9	●	↓	1.85 Gg 2018
Spillover black carbon emissions	0.01	kg/capita	100.0	●	↓	0.05 Gg 2015
GHG Emissions						
Domestic GHG emissions	3.08	t CO ₂ e/capita	83.2	●	↓	14.63 Tg 2019
Spillover GHG emissions	0.35	t CO ₂ e/capita	100.0	●	↓	1.62 Tg 2018
CO ₂ emissions embodied in fossil fuel exports	NA	t CO ₂ e/capita	NA	●	●	NA Tg NA
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	74.24	%	271	●	↓	74.24 % 2020
Unprotected freshwater biodiversity sites	94.80	%	6.4	●	↓	94.80 % 2020
Domestic land use related biodiversity loss	8.20 × 10 ⁻¹²	global PDF/capita	89.1	●	→	3.83 × 10 ⁻⁵ global PDF 2018
Spillover land use related biodiversity loss	7.90 × 10 ⁻¹³	global PDF/capita	98.3	●	↓	3.68 × 10 ⁻⁶ global PDF 2018
Domestic freshwater biodiversity threats	1.70	spp./million	16.8	●	●	7.93 species 2018
Spillover freshwater biodiversity threats	0.00	spp./million	88.6	●	●	0.02 species 2018
Domestic deforestation	0.10	%	92.6	●	↓	4.66 × 10 ⁴ hectares 2020
Spillover deforestation	9.49 × 10 ⁻³	ha/capita	1.0	●	↓	4.43 × 10 ⁴ hectares 2018
Red List Index of species survival	0.94	scale 0 to 1	83.7	●	↓	0.94 scale 0 to 1 2021
Biodiversity Habitat Index	0.63	scale 0 to 1	49.8	●	●	0.63 scale 0 to 1 2020
Domestic export of endangered terrestrial animals	1.90 × 10 ⁻⁶	WOE/million	100.0	●	●	9.00 WOE 2019
Spillover endangered terrestrial animals	0.00	WOE/capita	100.0	●	●	0.00 WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	NA	WOE/million	NA	●	●	NA WOE NA
Spillover endangered marine animals	0.00	WOE/capita	100.0	●	●	0.00 WOE 2019
Unprotected marine biodiversity sites	NA	%	NA	●	●	NA % NA
Domestic marine biodiversity threats	0.02	spp./million	83.5	●	●	0.10 species 2018
Spillover marine biodiversity threats	0.00	spp./million	100.0	●	●	0.00 species 2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	●	●	NA % NA
Fish caught by trawling	NA	%	NA	●	●	NA % NA
Domestic vulnerable fisheries catch	NA	tonnes/capita	NA	●	●	NA Tg NA
Spillover vulnerable fisheries catch	4.34	tonnes/capita	48.2	●	↓	0.02 tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	1.05	scale 0 to 1.4	9.8	●	↓	1.05 scale 0 to 1.4 2015
Domestic nitrogen surplus	5.18	kg/capita	86.4	●	↓	23.29 Gg 2015
Spillover nitrogen surplus	0.11	kg/capita	100.0	●	↑	0.51 Tg 2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	●	●	NA kt NA
Spillover phosphorus fertilizer	0.18	g/capita	100.0	●	↓	0.84 kt 2018
Water Cycle						
Domestic scarce water consumption	0.00	m ³ H ₂ O-eq./capita	100.0	●	↓	0.01 Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	17.91	m ³ H ₂ O-eq./capita	67.1	●	↓	335.52 Mm ³ H ₂ O-eq. 2018
Domestic water stress	0.16	ML H ₂ O-eq./capita	60.2	●	↓	0.74 Bm ³ H ₂ O-eq. 2018
Spillover water stress	1.28	m ³ H ₂ O-eq./capita	51.7	●	↓	24.06 Mm ³ H ₂ O-eq. 2018

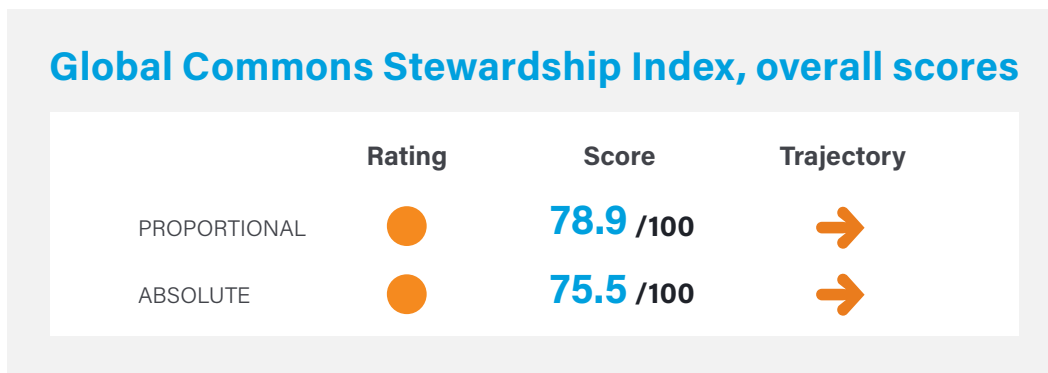
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Chad

Africa

Land area	1,259,200 sq. km	Population	16.4 million
GDP (PPP, constant 2017 US\$, billions)	\$25.0	GDP per capita	\$1,520
Human Development Index (HDI)	0.394	HDI category	Low



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

■	95–100	None or limited
■	90–95	Low
■	80–90	Medium-low
■	70–80	Medium-high
■	50–70	High
■	30–50	Very high
■	0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Chad

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	0.35	kg/capita	100.0	● ↑	5.34	Gg 2018
Spillover SO ₂ emissions	0.42	kg/capita	100.0	● ↑	5.98	Gg 2015
Domestic NO _x emissions	2.41	kg/capita	100.0	● ↓	37.28	Gg 2018
Spillover NO _x emissions	0.59	kg/capita	100.0	● ↑	8.28	Gg 2015
Domestic black carbon emissions	0.42	kg/capita	71.1	● →	6.46	Gg 2018
Spillover black carbon emissions	0.02	kg/capita	100.0	● ↑	0.32	Gg 2015
GHG Emissions						
Domestic GHG emissions	5.76	t CO ₂ e/capita	59.0	● ↓	91.82	Tg 2019
Spillover GHG emissions	0.29	t CO ₂ e/capita	100.0	● ↑	4.47	Tg 2018
CO ₂ emissions embodied in fossil fuel exports	NA	t CO ₂ e/capita	NA	● ●	NA	Tg NA
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	67.31	%	34.1	● ↓	67.31	% 2020
Unprotected freshwater biodiversity sites	61.38	%	40.9	● ↓	61.38	% 2020
Domestic land use related biodiversity loss	4.47 × 10 ⁻¹³	global PDF/capita	99.4	● ↗	6.92 × 10 ⁻⁶	global PDF 2018
Spillover land use related biodiversity loss	3.53 × 10 ⁻¹³	global PDF/capita	100.0	● ↓	5.46 × 10 ⁻⁶	global PDF 2018
Domestic freshwater biodiversity threats	0.34	spp./million	38.7	● ●	5.31	species 2018
Spillover freshwater biodiversity threats	0.00	spp./million	100.0	● ●	0.03	species 2018
Domestic deforestation	0.82	%	38.1	● ↓	5.13 × 10 ³	hectares 2020
Spillover deforestation	2.06 × 10 ⁻⁴	ha/capita	99.1	● ↓	3.19 × 10 ³	hectares 2018
Red List Index of species survival	0.91	scale 0 to 1	76.9	● ↓	0.91	scale 0 to 1 2021
Biodiversity Habitat Index	0.52	scale 0 to 1	33.9	● ●	0.52	scale 0 to 1 2020
Domestic export of endangered terrestrial animals	1.08 × 10 ⁻³	WOE/million	88.7	● ●	1.73 × 10 ⁴	WOE 2019
Spillover endangered terrestrial animals	2.76 × 10 ⁻⁶	WOE/capita	100.0	● ●	4.40 × 10	WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	NA	WOE/million	NA	● ●	NA	WOE NA
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE 2019
Unprotected marine biodiversity sites	NA	%	NA	● ●	NA	% NA
Domestic marine biodiversity threats	0.01	spp./million	92.8	● ●	0.16	species 2018
Spillover marine biodiversity threats	0.00	spp./million	100.0	● ●	0.00	species 2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	● ●	NA	% NA
Fish caught by trawling	NA	%	NA	● ●	NA	% NA
Domestic vulnerable fisheries catch	NA	tonnes/capita	NA	● ●	NA	Tg NA
Spillover vulnerable fisheries catch	0.30	tonnes/capita	92.8	● ↑	0.00	tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.83	scale 0 to 1.4	28.5	● →	0.83	scale 0 to 1.4 2015
Domestic nitrogen surplus	2.07	kg/capita	95.4	● ↓	29.14	Gg 2015
Spillover nitrogen surplus	0.06	kg/capita	100.0	● ↑	0.89	Tg 2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt NA
Spillover phosphorus fertilizer	0.13	g/capita	100.0	● ↓	2.07	kt 2018
Water Cycle						
Domestic scarce water consumption	1.07	m ³ H ₂ O-eq./capita	61.5	● ↓	16.52	Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	12.15	m ³ H ₂ O-eq./capita	77.2	● ↓	16,926.42	Mm ³ H ₂ O-eq. 2018
Domestic water stress	0.17	ML H ₂ O-eq./capita	59.0	● ↗	2.68	Bm ³ H ₂ O-eq. 2018
Spillover water stress	0.41	m ³ H ₂ O-eq./capita	81.6	● ↑	564.13	Mm ³ H ₂ O-eq. 2018

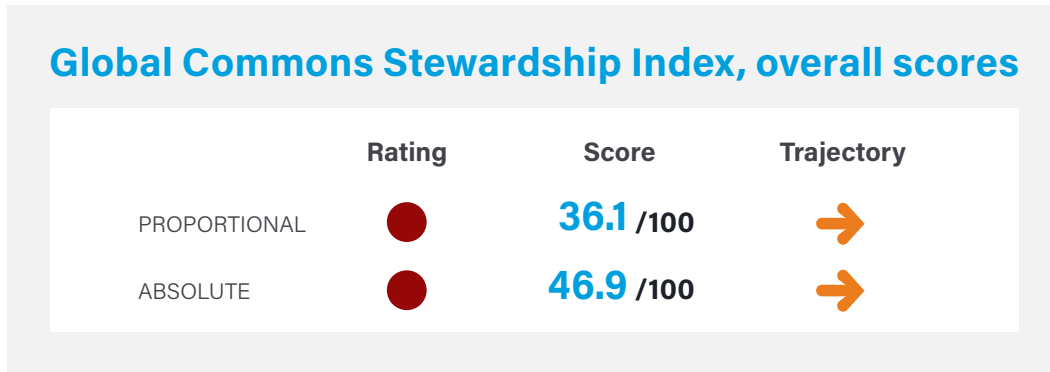
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Chile

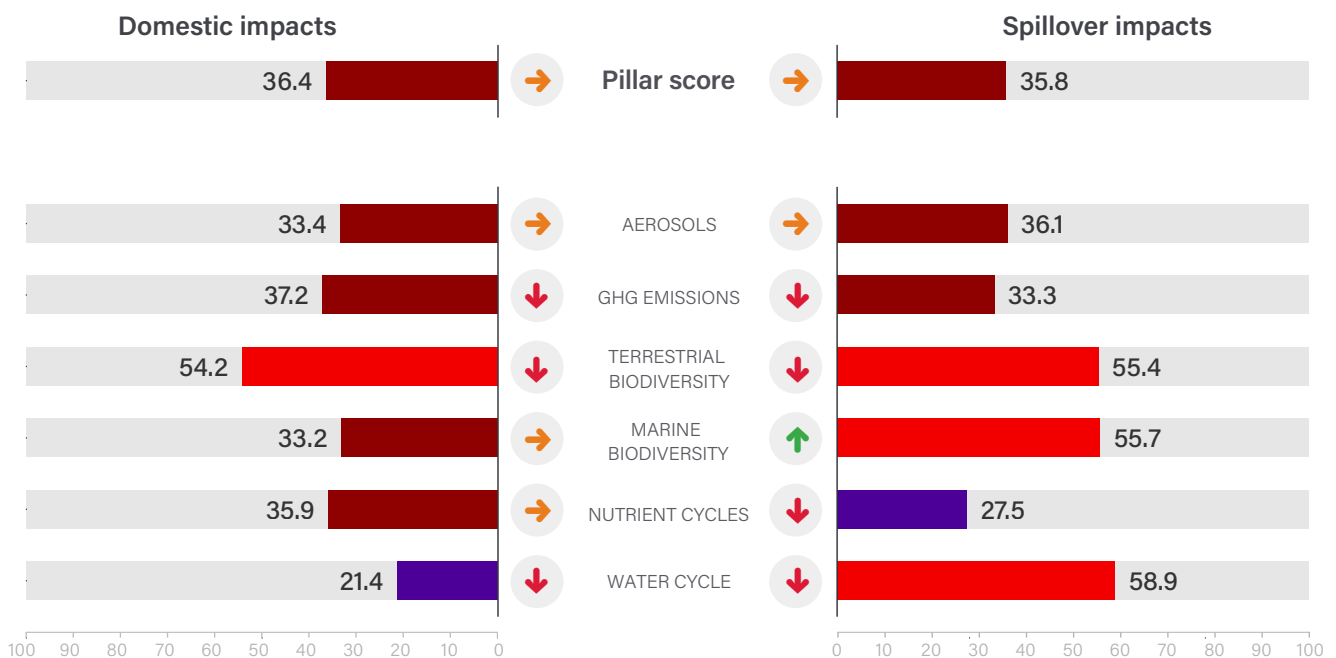
OECD Member

Land area	743,532 sq. km	Population	19.1 million
GDP (PPP, constant 2017 US\$, billions)	\$445.9	GDP per capita	\$23,325
Human Development Index (HDI)	0.855	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

95–100	None or limited
90–95	Low
80–90	Medium-low
70–80	Medium-high
50–70	High
30–50	Very high
0–30	Extreme















































Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Chile

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	37.46	kg/capita	13.5	 	701.64	Gg	2018
Spillover SO ₂ emissions	7.00	kg/capita	37.3	 	125.71	Gg	2015
Domestic NO _x emissions	22.33	kg/capita	64.3	 	418.20	Gg	2018
Spillover NO _x emissions	6.97	kg/capita	36.3	 	125.26	Gg	2015
Domestic black carbon emissions	0.73	kg/capita	43.2	 	13.61	Gg	2018
Spillover black carbon emissions	0.30	kg/capita	34.7	 	5.31	Gg	2015
GHG Emissions							
Domestic GHG emissions	9.27	t CO ₂ e/capita	40.5	 	175.71	Tg	2019
Spillover GHG emissions	4.39	t CO ₂ e/capita	33.3	 	82.25	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	0.10	t CO ₂ e/capita	28.8	 	1.87	Tg	2020
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	36.42	%	65.4	 	36.42	%	2020
Unprotected freshwater biodiversity sites	39.98	%	63.0	 	39.98	%	2020
Domestic land use related biodiversity loss	1.20 × 10 ⁻¹¹	global PDF/capita	84.1	 	2.24 × 10 ⁻⁴	global PDF	2018
Spillover land use related biodiversity loss	9.58 × 10 ⁻¹²	global PDF/capita	45.6	 	1.80 × 10 ⁻⁴	global PDF	2018
Domestic freshwater biodiversity threats	0.42	spp./million	36.1	 	7.80	species	2018
Spillover freshwater biodiversity threats	0.09	spp./million	39.7	 	1.60	species	2018
Domestic deforestation	0.35	%	73.7	 	7.29 × 10 ⁴	hectares	2020
Spillover deforestation	3.40 × 10 ⁻³	ha/capita	52.2	 	6.37 × 10 ⁴	hectares	2018
Red List Index of species survival	0.76	scale 0 to 1	29.5	 	0.76	scale 0 to 1	2021
Biodiversity Habitat Index	0.65	scale 0 to 1	51.4	 	0.65	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	5.28 × 10 ⁻⁸	WOE/million	100.0	 	1.00	WOE	2019
Spillover endangered terrestrial animals	2.69 × 10 ⁻⁶	WOE/capita	100.0	 	5.10 × 10	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	6.68 × 10 ⁻⁷	WOE/million	100.0	 	1.27 × 10	WOE	2019
Spillover endangered marine animals	7.66 × 10 ⁻⁵	WOE/capita	95.1	 	1.45 × 10 ³	WOE	2019
Unprotected marine biodiversity sites	29.90	%	70.4	 	29.90	%	2020
Domestic marine biodiversity threats	2.14	spp./million	19.4	 	40.02	species	2018
Spillover marine biodiversity threats	0.04	spp./million	43.1	 	0.71	species	2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	 	NA	%	NA
Fish caught by trawling	0.20	%	100.0	 	0.20	%	2018
Domestic vulnerable fisheries catch	109.97	tonnes/capita	6.7	 	2.06	Tg	2018
Spillover vulnerable fisheries catch	6.23	tonnes/capita	42.1	 	0.12	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	0.78	scale 0 to 1.4	33.0	 	0.78	scale 0 to 1.4	2015
Domestic nitrogen surplus	22.13	kg/capita	37.6	 	397.73	Gg	2015
Spillover nitrogen surplus	6.26	kg/capita	25.2	 	112.45	Tg	2015
Domestic phosphorus fertilizer	7.95	kg/capita	37.0	 	148.93	kt	2018
Spillover phosphorus fertilizer	3.55	g/capita	30.0	 	66.43	kt	2018
Water Cycle							
Domestic scarce water consumption	40.76	m ³ H ₂ O-eq./capita	20.6	 	763.37	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	23.41	m ³ H ₂ O-eq./capita	60.1	 	586.98	Mm ³ H ₂ O-eq.	2018
Domestic water stress	2.41	ML H ₂ O-eq./capita	25.0	 	45.16	Bm ³ H ₂ O-eq.	2018
Spillover water stress	0.94	m ³ H ₂ O-eq./capita	59.7	 	23.66	Mm ³ H ₂ O-eq.	2018

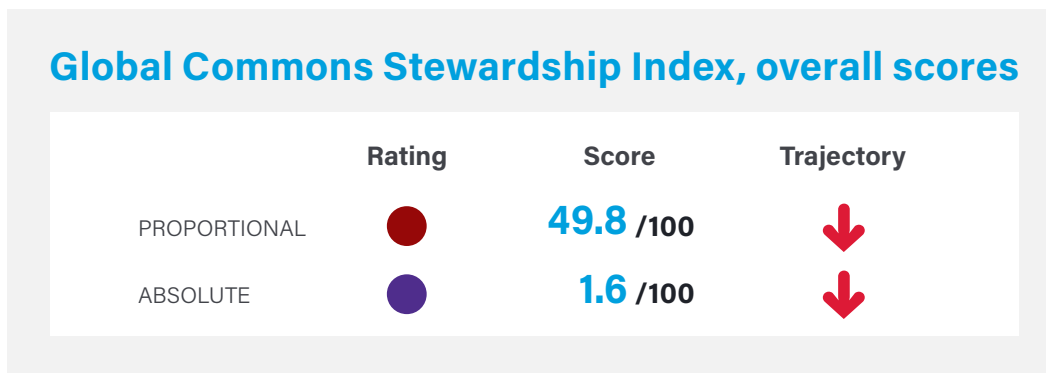
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

China

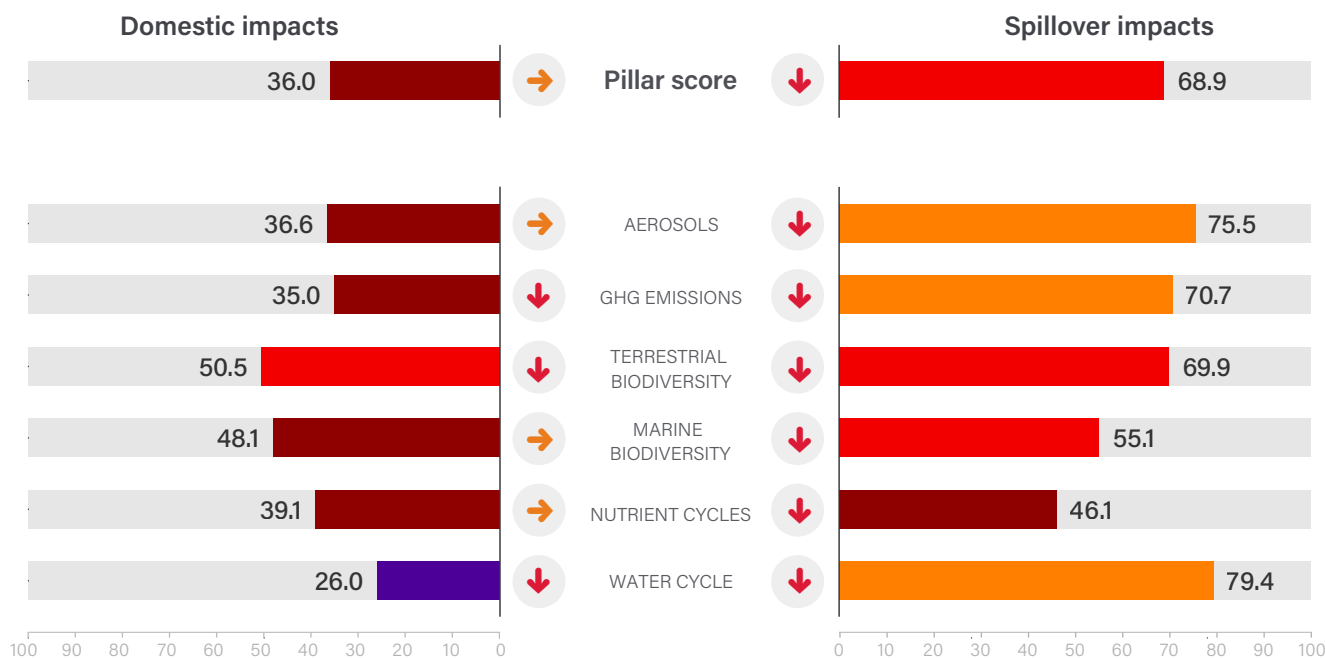
East and South Asia

Land area	9,424,703 sq. km	Population	1,402.1 million
GDP (PPP, constant 2017 US\$, billions)	\$23,009.8	GDP per capita	\$16,411
Human Development Index (HDI)	0.768	HDI category	High



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

	95–100	None or limited
	90–95	Low
	80–90	Medium-low
	70–80	Medium-high
	50–70	High
	30–50	Very high
	0–30	Extreme































Trajectories

Based on 5-year growth rates

	Projected to meet 2050 threshold
	Projected to meet 2030 threshold only
	Insufficient progress toward threshold
	Headed in wrong direction

China

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	30.20	kg/capita	18.4	 	42,055.98	Gg	2018
Spillover SO ₂ emissions	1.52	kg/capita	79.4	 	2,079.10	Gg	2015
Domestic NO _x emissions	18.51	kg/capita	72.1	 	25,776.09	Gg	2018
Spillover NO _x emissions	1.69	kg/capita	74.0	 	2,311.21	Gg	2015
Domestic black carbon emissions	0.80	kg/capita	37.0	 	1,107.48	Gg	2018
Spillover black carbon emissions	0.07	kg/capita	73.2	 	100.91	Gg	2015
GHG Emissions							
Domestic GHG emissions	10.77	t CO ₂ e/capita	34.7	 	15,055.84	Tg	2019
Spillover GHG emissions	1.16	t CO ₂ e/capita	70.7	 	1,613.82	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	0.02	t CO ₂ e/capita	36.0	 	28.34	Tg	2020
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	10.06	%	92.2	 	10.06	%	2020
Unprotected freshwater biodiversity sites	9.58	%	94.4	 	9.58	%	2020
Domestic land use related biodiversity loss	3.39 × 10 ⁻¹²	global PDF/capita	95.5	 	4.73 × 10 ⁻³	global PDF	2018
Spillover land use related biodiversity loss	3.26 × 10 ⁻¹²	global PDF/capita	83.5	 	4.54 × 10 ⁻³	global PDF	2018
Domestic freshwater biodiversity threats	0.17	spp./million	48.0	 	248.36	species	2018
Spillover freshwater biodiversity threats	0.08	spp./million	39.9	 	120.55	species	2018
Domestic deforestation	0.30	%	77.2	 	4.69 × 10 ⁵	hectares	2020
Spillover deforestation	1.23 × 10 ⁻³	ha/capita	84.1	 	1.71 × 10 ⁶	hectares	2018
Red List Index of species survival	0.73	scale 0 to 1	20.8	 	0.73	scale 0 to 1	2021
Biodiversity Habitat Index	0.44	scale 0 to 1	21.8	 	0.44	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	3.27 × 10 ⁻⁴	WOE/million	96.6	 	4.57 × 10 ⁵	WOE	2019
Spillover endangered terrestrial animals	1.25 × 10 ⁻³	WOE/capita	85.4	 	1.75 × 10 ⁶	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	0.00	WOE/million	100.0	 	0.00	WOE	2019
Spillover endangered marine animals	7.61 × 10 ⁻⁵	WOE/capita	95.1	 	1.06 × 10 ⁵	WOE	2019
Unprotected marine biodiversity sites	7.08	%	93.0	 	7.08	%	2020
Domestic marine biodiversity threats	0.09	spp./million	63.5	 	126.83	species	2018
Spillover marine biodiversity threats	0.04	spp./million	41.5	 	61.53	species	2018
Fish caught from overexploited or collapsed stocks	25.52	%	59.3	 	25.52	%	2018
Fish caught by trawling	51.10	%	16.4	 	51.10	%	2018
Domestic vulnerable fisheries catch	10.79	tonnes/capita	37.2	 	15.03	Tg	2018
Spillover vulnerable fisheries catch	6.09	tonnes/capita	42.5	 	8.48	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	0.69	scale 0 to 1.4	40.8	 	0.69	scale 0 to 1.4	2015
Domestic nitrogen surplus	21.32	kg/capita	40.0	 	29,229.41	Gg	2015
Spillover nitrogen surplus	1.22	kg/capita	56.2	 	1,672.14	Tg	2015
Domestic phosphorus fertilizer	7.85	kg/capita	37.3	 	10,929.89	kt	2018
Spillover phosphorus fertilizer	2.76	g/capita	37.9	 	3,838.24	kt	2018
Water Cycle							
Domestic scarce water consumption	16.11	m ³ H ₂ O-eq./capita	31.0	 	22,433.78	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	7.90	m ³ H ₂ O-eq./capita	88.4	 	199.08	Mm ³ H ₂ O-eq.	2018
Domestic water stress	6.17	ML H ₂ O-eq./capita	12.9	 	8,587.46	Bm ³ H ₂ O-eq.	2018
Spillover water stress	0.24	m ³ H ₂ O-eq./capita	94.8	 	6.13	Mm ³ H ₂ O-eq.	2018

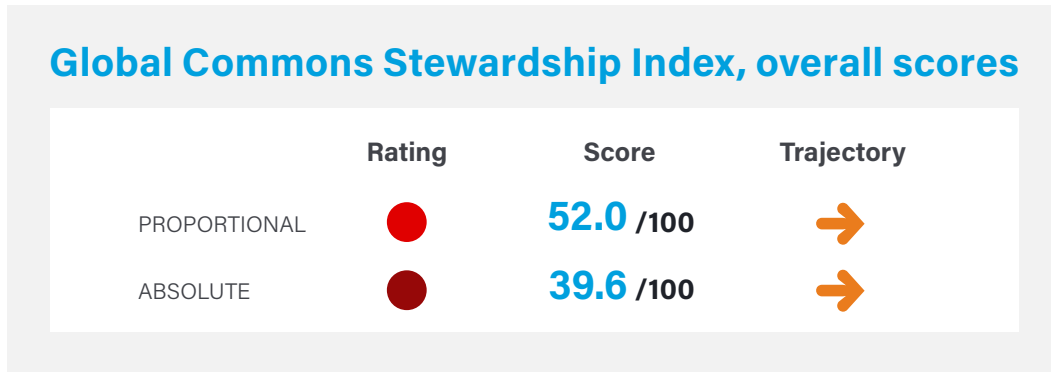
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Colombia

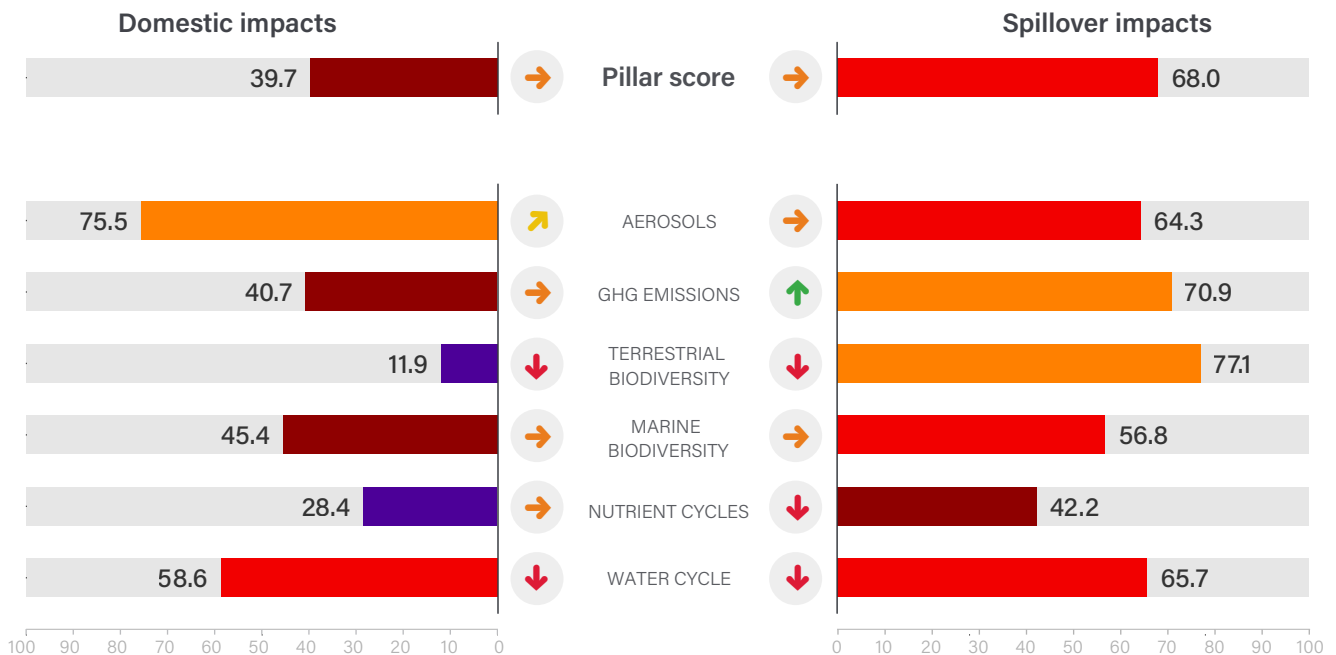
OECD Member

Land area	1,109,500 sq. km	Population	50.9 million
GDP (PPP, constant 2017 US\$, billions)	\$683.9	GDP per capita	\$13,441
Human Development Index (HDI)	0.752	HDI category	High



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

	95–100	None or limited
	90–95	Low
	80–90	Medium-low
	70–80	Medium-high
	50–70	High
	30–50	Very high
	0–30	Extreme

Trajectories

Based on 5-year growth rates

	Projected to meet 2050 threshold
	Projected to meet 2030 threshold only
	Insufficient progress toward threshold
	Headed in wrong direction

Colombia

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	3.42	kg/capita	68.5	● ↗	169.69	Gg	2018
Spillover SO ₂ emissions	2.54	kg/capita	65.2	● →	120.52	Gg	2015
Domestic NO _x emissions	10.27	kg/capita	89.0	● →	509.94	Gg	2018
Spillover NO _x emissions	2.60	kg/capita	62.5	● →	123.69	Gg	2015
Domestic black carbon emissions	0.42	kg/capita	70.6	● ↑	20.98	Gg	2018
Spillover black carbon emissions	0.10	kg/capita	65.2	● →	4.65	Gg	2015
GHG Emissions							
Domestic GHG emissions	4.95	t CO ₂ e/capita	64.8	● →	249.29	Tg	2019
Spillover GHG emissions	1.15	t CO ₂ e/capita	70.9	● ↑	57.07	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	5.85	t CO ₂ e/capita	101	● ●	297.81	Tg	2020
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	47.64	%	54.1	● ↓	47.64	%	2020
Unprotected freshwater biodiversity sites	50.67	%	52.0	● ↓	50.67	%	2020
Domestic land use related biodiversity loss	7.56 × 10 ⁻¹¹	global PDF/capita	1.0	● ↓	3.75 × 10 ⁻³	global PDF	2018
Spillover land use related biodiversity loss	3.65 × 10 ⁻¹²	global PDF/capita	81.2	● ↓	1.81 × 10 ⁻⁴	global PDF	2018
Domestic freshwater biodiversity threats	1.73	spp./million	16.5	● ●	86.09	species	2018
Spillover freshwater biodiversity threats	0.06	spp./million	46.8	● ●	2.77	species	2018
Domestic deforestation	0.37	%	71.9	● ↓	3.06 × 10 ⁵	hectares	2020
Spillover deforestation	5.93 × 10 ⁻⁴	ha/capita	93.4	● ↓	2.95 × 10 ⁴	hectares	2018
Red List Index of species survival	0.74	scale 0 to 1	22.4	● ↓	0.74	scale 0 to 1	2021
Biodiversity Habitat Index	0.56	scale 0 to 1	38.9	● ●	0.56	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	2.59 × 10 ⁻⁵	WOE/million	99.7	● ●	1.30 × 10 ³	WOE	2019
Spillover endangered terrestrial animals	4.93 × 10 ⁻⁵	WOE/capita	99.4	● ●	2.48 × 10 ³	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	1.99 × 10 ⁻⁷	WOE/million	100.0	● ●	1.00 × 10	WOE	2019
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE	2019
Unprotected marine biodiversity sites	54.81	%	45.7	● ↓	54.81	%	2020
Domestic marine biodiversity threats	1.34	spp./million	25.9	● ●	66.65	species	2018
Spillover marine biodiversity threats	0.05	spp./million	39.5	● ●	2.50	species	2018
Fish caught from overexploited or collapsed stocks	51.12	%	18.4	● →	51.12	%	2018
Fish caught by trawling	0.00	%	100.0	● ●	0.00	%	2018
Domestic vulnerable fisheries catch	0.76	tonnes/capita	72.0	● ↑	0.04	Tg	2018
Spillover vulnerable fisheries catch	4.82	tonnes/capita	46.4	● →	0.24	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	1.06	scale 0 to 1.4	8.5	● ↓	1.06	scale 0 to 1.4	2015
Domestic nitrogen surplus	16.72	kg/capita	53.2	● →	794.65	Gg	2015
Spillover nitrogen surplus	2.81	kg/capita	40.4	● ↓	133.38	Tg	2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt	NA
Spillover phosphorus fertilizer	2.26	g/capita	44.1	● ↓	112.00	kt	2018
Water Cycle							
Domestic scarce water consumption	2.01	m ³ H ₂ O-eq./capita	54.4	● ↓	99.95	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	21.61	m ³ H ₂ O-eq./capita	62.2	● ↓	1,816.99	Mm ³ H ₂ O-eq.	2018
Domestic water stress	0.04	ML H ₂ O-eq./capita	78.8	● ↓	1.86	Bm ³ H ₂ O-eq.	2018
Spillover water stress	0.17	m ³ H ₂ O-eq./capita	100.0	● ↓	14.31	Mm ³ H ₂ O-eq.	2018

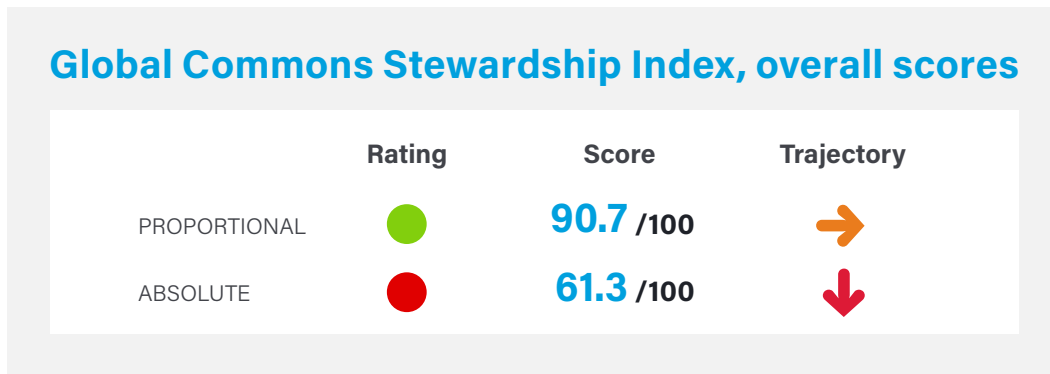
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Congo, Dem. Rep.

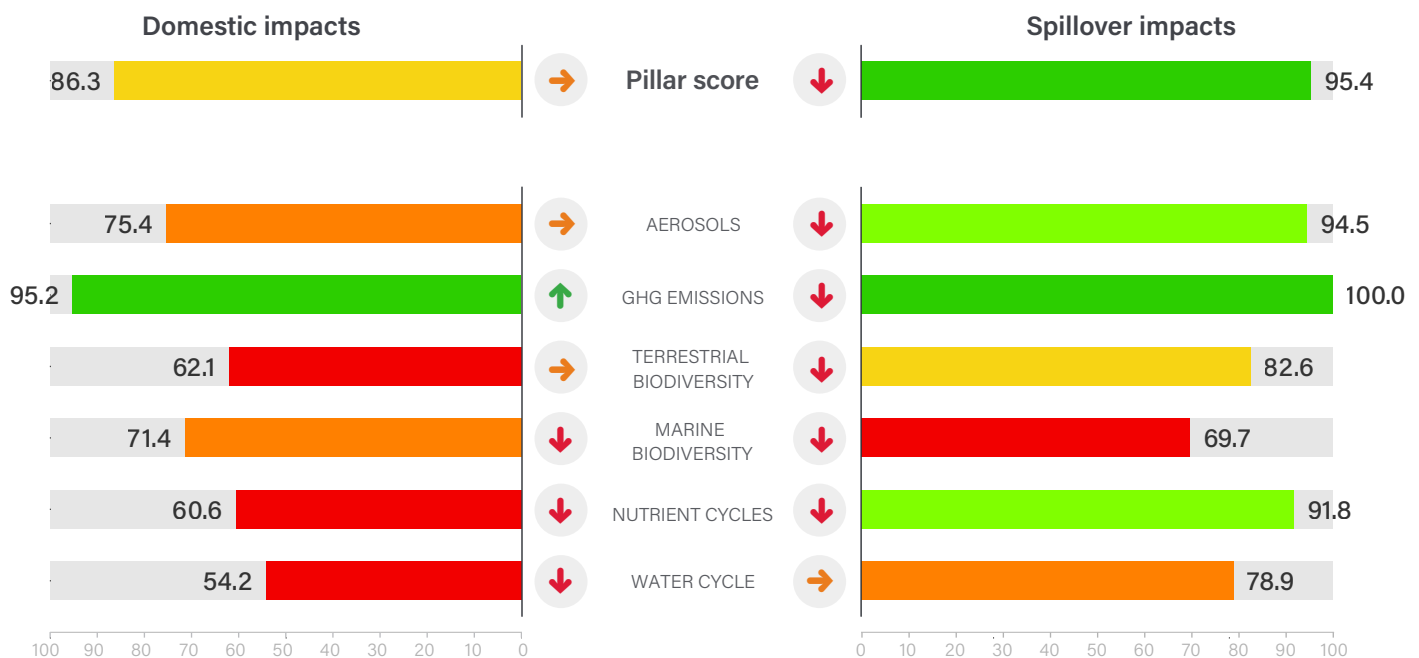
Africa

Land area	2,267,050 sq. km	Population	89.6 million
GDP (PPP, constant 2017 US\$, billions)	\$96.0	GDP per capita	\$1,072
Human Development Index (HDI)	0.479	HDI category	Low



Impacts by pillar and sub-pillar

Proportional scores and trajectories



The Global Commons Stewardship Index

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Dashboard categories

Negative impacts on the Global Commons

■	95–100	None or limited
■	90–95	Low
■	80–90	Medium-low
■	70–80	Medium-high
■	50–70	High
■	30–50	Very high
■	0–30	Extreme

Trajectories

Based on 5-year growth rates

⬆	Projected to meet 2050 threshold
➔	Projected to meet 2030 threshold only
➔	Insufficient progress toward threshold
⬇	Headed in wrong direction

Congo, Dem. Rep.

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	0.43	kg/capita	100.0	● ↓	36.01	Gg 2018
Spillover SO ₂ emissions	1.15	kg/capita	87.2	● ↓	87.36	Gg 2015
Domestic NO _x emissions	1.18	kg/capita	100.0	● ↑	99.53	Gg 2018
Spillover NO _x emissions	0.39	kg/capita	100.0	● ↓	29.77	Gg 2015
Domestic black carbon emissions	0.73	kg/capita	42.8	● ↓	61.43	Gg 2018
Spillover black carbon emissions	0.03	kg/capita	96.7	● ↓	2.40	Gg 2015
GHG Emissions						
Domestic GHG emissions	1.58	t CO ₂ e/capita	100.0	● ↑	137.05	Tg 2019
Spillover GHG emissions	0.26	t CO ₂ e/capita	100.0	● ↓	21.95	Tg 2018
CO ₂ emissions embodied in fossil fuel exports	0.00	t CO ₂ e/capita	82.0	● ●	0.00	Tg 2020
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	52.66	%	49.0	● ↓	52.66	% 2020
Unprotected freshwater biodiversity sites	52.46	%	50.1	● ↓	52.46	% 2020
Domestic land use related biodiversity loss	3.77 × 10 ⁻¹²	global PDF/capita	95.0	● →	3.17 × 10 ⁻⁴	global PDF 2018
Spillover land use related biodiversity loss	4.24 × 10 ⁻¹³	global PDF/capita	100.0	● ↓	3.56 × 10 ⁻⁵	global PDF 2018
Domestic freshwater biodiversity threats	2.84	spp./million	9.7	● ●	238.57	species 2018
Spillover freshwater biodiversity threats	0.05	spp./million	47.4	● ●	4.54	species 2018
Domestic deforestation	0.65	%	51.2	● ↓	1.29 × 10 ⁶	hectares 2020
Spillover deforestation	2.60 × 10 ⁻⁴	ha/capita	98.3	● ↓	2.19 × 10 ⁴	hectares 2018
Red List Index of species survival	0.88	scale 0 to 1	66.8	● ↓	0.88	scale 0 to 1 2021
Biodiversity Habitat Index	0.67	scale 0 to 1	55.3	● ●	0.67	scale 0 to 1 2020
Domestic export of endangered terrestrial animals	1.30 × 10 ⁻⁴	WOE/million	98.6	● ●	1.13 × 10 ⁴	WOE 2019
Spillover endangered terrestrial animals	0.00	WOE/capita	100.0	● ●	0.00	WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	9.45 × 10 ⁻⁷	WOE/million	100.0	● ●	8.20 × 10	WOE 2019
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE 2019
Unprotected marine biodiversity sites	NA	%	NA	● ●	NA	% NA
Domestic marine biodiversity threats	0.31	spp./million	46.4	● ●	25.70	species 2018
Spillover marine biodiversity threats	0.01	spp./million	62.1	● ●	0.71	species 2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	● ●	NA	% NA
Fish caught by trawling	0.00	%	100.0	● ●	0.00	% 2018
Domestic vulnerable fisheries catch	0.77	tonnes/capita	71.9	● ↓	0.06	Tg 2018
Spillover vulnerable fisheries catch	2.97	tonnes/capita	54.5	● ↓	0.25	tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.91	scale 0 to 1.4	21.9	● ↓	0.91	scale 0 to 1.4 2015
Domestic nitrogen surplus	0.76	kg/capita	99.2	● ↓	57.68	Gg 2015
Spillover nitrogen surplus	0.28	kg/capita	84.3	● ↓	21.16	Tg 2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt NA
Spillover phosphorus fertilizer	0.20	g/capita	100.0	● ↓	16.49	kt 2018
Water Cycle						
Domestic scarce water consumption	2.75	m ³ H ₂ O-eq./capita	50.9	● ↓	231.55	Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	17.58	m ³ H ₂ O-eq./capita	67.6	● →	92.19	Mm ³ H ₂ O-eq. 2018
Domestic water stress	0.08	ML H ₂ O-eq./capita	69.7	● ↓	6.37	Bm ³ H ₂ O-eq. 2018
Spillover water stress	0.66	m ³ H ₂ O-eq./capita	69.2	● ↓	3.44	Mm ³ H ₂ O-eq. 2018

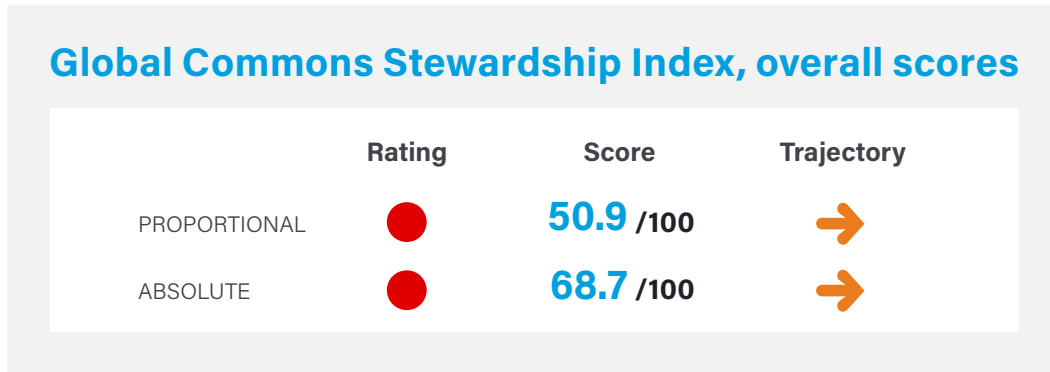
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Congo, Republic of

Africa

Land area	341,500 sq. km	Population	5.5 million
GDP (PPP, constant 2017 US\$, billions)	\$19.0	GDP per capita	\$3,449
Human Development Index (HDI)	0.571	HDI category	Medium



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

95–100	None or limited
90–95	Low
80–90	Medium-low
70–80	Medium-high
50–70	High
30–50	Very high
0–30	Extreme

Trajectories

Based on 5-year growth rates

↕	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↘	Headed in wrong direction

Congo, Republic of

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	0.33	kg/capita	100.0	● ↑	1.75	Gg 2018
Spillover SO ₂ emissions	3.83	kg/capita	53.8	● ↓	18.62	Gg 2015
Domestic NO _x emissions	3.20	kg/capita	100.0	● ↑	16.79	Gg 2018
Spillover NO _x emissions	4.00	kg/capita	51.1	● ↓	19.41	Gg 2015
Domestic black carbon emissions	0.65	kg/capita	50.3	● →	3.40	Gg 2018
Spillover black carbon emissions	0.20	kg/capita	45.8	● ↓	0.96	Gg 2015
GHG Emissions						
Domestic GHG emissions	5.99	t CO ₂ e/capita	57.4	● ↓	32.24	Tg 2019
Spillover GHG emissions	1.35	t CO ₂ e/capita	66.4	● ↑	7.07	Tg 2018
CO ₂ emissions embodied in fossil fuel exports	6.22	t CO ₂ e/capita	9.8	● ●	34.33	Tg 2020
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	60.86	%	40.7	● ↓	60.86	% 2020
Unprotected freshwater biodiversity sites	65.69	%	36.4	● ↓	65.69	% 2020
Domestic land use related biodiversity loss	2.94 × 10 ⁻¹¹	global PDF/capita	61.0	● →	1.54 × 10 ⁻⁴	global PDF 2018
Spillover land use related biodiversity loss	4.55 × 10 ⁻¹²	global PDF/capita	75.8	● →	2.38 × 10 ⁻⁵	global PDF 2018
Domestic freshwater biodiversity threats	4.89	spp./million	2.3	● ●	25.63	species 2018
Spillover freshwater biodiversity threats	0.04	spp./million	52.1	● ●	0.21	species 2018
Domestic deforestation	0.24	%	82.0	● ↓	6.38 × 10 ⁴	hectares 2020
Spillover deforestation	1.01 × 10 ⁻¹	ha/capita	1.0	● ↓	5.32 × 10 ⁵	hectares 2018
Red List Index of species survival	0.97	scale 0 to 1	93.0	● ↓	0.97	scale 0 to 1 2021
Biodiversity Habitat Index	0.67	scale 0 to 1	55.5	● ●	0.67	scale 0 to 1 2020
Domestic export of endangered terrestrial animals	5.22 × 10 ⁻⁶	WOE/million	99.9	● ●	2.81 × 10	WOE 2019
Spillover endangered terrestrial animals	0.00	WOE/capita	100.0	● ●	0.00	WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE 2019
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE 2019
Unprotected marine biodiversity sites	65.37	%	35.3	● ↓	65.37	% 2020
Domestic marine biodiversity threats	0.77	spp./million	33.5	● ●	4.06	species 2018
Spillover marine biodiversity threats	0.03	spp./million	45.7	● ●	0.16	species 2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	● ●	NA	% NA
Fish caught by trawling	3.19	%	95.0	● ↗	3.19	% 2018
Domestic vulnerable fisheries catch	47.50	tonnes/capita	17.7	● ↓	0.25	Tg 2018
Spillover vulnerable fisheries catch	5.19	tonnes/capita	45.2	● ↓	0.03	tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.90	scale 0 to 1.4	23.1	● ↓	0.90	scale 0 to 1.4 2015
Domestic nitrogen surplus	0.60	kg/capita	99.6	● ↑	2.93	Gg 2015
Spillover nitrogen surplus	0.77	kg/capita	64.8	● ↓	3.76	Tg 2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt NA
Spillover phosphorus fertilizer	1.15	g/capita	65.0	● ↑	6.02	kt 2018
Water Cycle						
Domestic scarce water consumption	0.35	m ³ H ₂ O-eq./capita	73.9	● ↗	1.85	Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	16.65	m ³ H ₂ O-eq./capita	69.0	● ↑	826.68	Mm ³ H ₂ O-eq. 2018
Domestic water stress	0.00	ML H ₂ O-eq./capita	100.0	● ↑	0.01	Bm ³ H ₂ O-eq. 2018
Spillover water stress	0.85	m ³ H ₂ O-eq./capita	62.5	● ↑	42.04	Mm ³ H ₂ O-eq. 2018

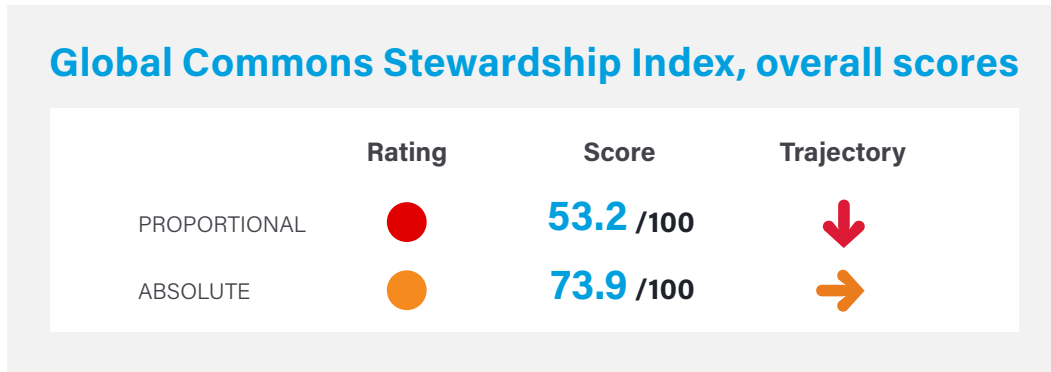
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Costa Rica

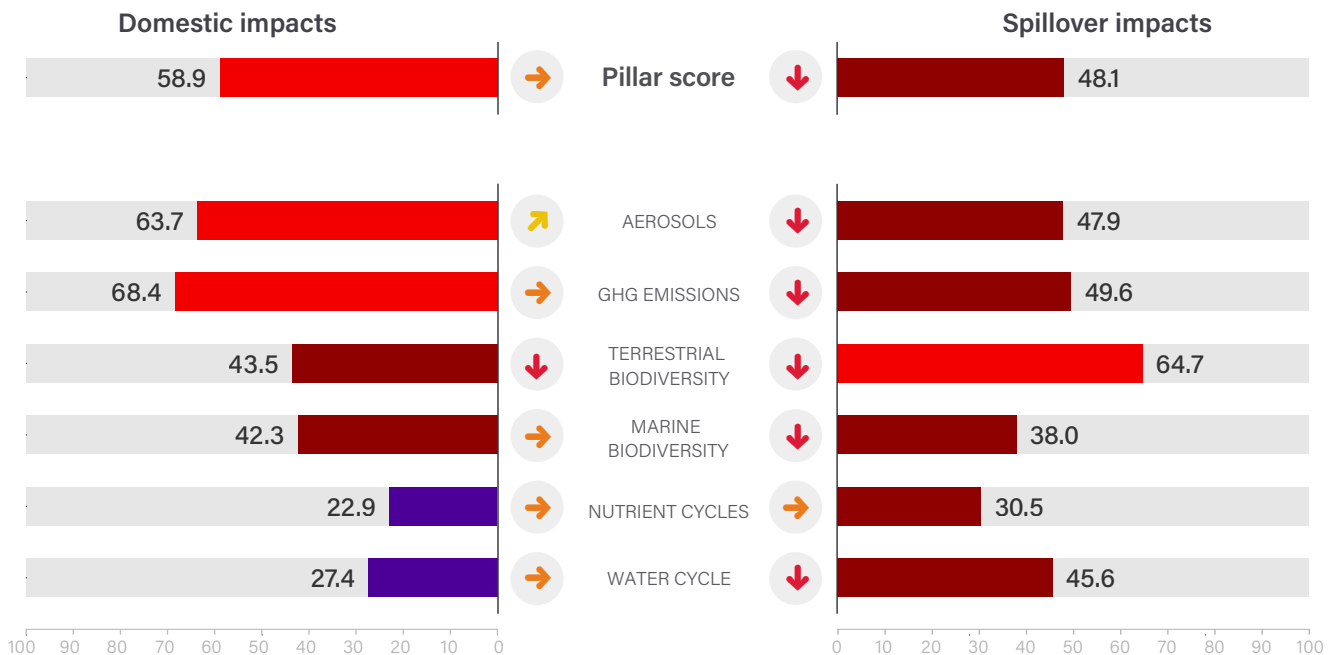
OECD Member

Land area	51,060 sq. km	Population	5.1 million
GDP (PPP, constant 2017 US\$, billions)	\$100.2	GDP per capita	\$19,679
Human Development Index (HDI)	0.809	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

■	95–100	None or limited
■	90–95	Low
■	80–90	Medium-low
■	70–80	Medium-high
■	50–70	High
■	30–50	Very high
■	0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Costa Rica

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	2.47	kg/capita	76.0	●	↑	12.33 Gg 2018
Spillover SO ₂ emissions	4.57	kg/capita	49.0	●	↓	22.15 Gg 2015
Domestic NO _x emissions	13.96	kg/capita	81.4	●	→	69.82 Gg 2018
Spillover NO _x emissions	4.96	kg/capita	45.4	●	↓	24.03 Gg 2015
Domestic black carbon emissions	0.74	kg/capita	41.8	●	→	3.71 Gg 2018
Spillover black carbon emissions	0.17	kg/capita	49.4	●	↓	0.84 Gg 2015
GHG Emissions						
Domestic GHG emissions	4.51	t CO ₂ e/capita	68.4	●	→	22.78 Tg 2019
Spillover GHG emissions	2.45	t CO ₂ e/capita	49.6	●	↓	12.25 Tg 2018
CO ₂ emissions embodied in fossil fuel exports	NA	t CO ₂ e/capita	NA	●	●	NA Tg NA
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	41.13	%	60.7	●	↓	41.13 % 2020
Unprotected freshwater biodiversity sites	49.97	%	52.7	●	↓	49.97 % 2020
Domestic land use related biodiversity loss	4.64 × 10 ⁻¹¹	global PDF/capita	38.3	●	→	2.32 × 10 ⁻⁴ global PDF 2018
Spillover land use related biodiversity loss	9.97 × 10 ⁻¹²	global PDF/capita	43.3	●	↓	4.98 × 10 ⁻⁵ global PDF 2018
Domestic freshwater biodiversity threats	1.04	spp./million	23.6	●	●	5.18 species 2018
Spillover freshwater biodiversity threats	0.04	spp./million	54.4	●	●	0.18 species 2018
Domestic deforestation	0.27	%	79.9	●	↓	1.04 × 10 ⁴ hectares 2020
Spillover deforestation	1.89 × 10 ⁻³	ha/capita	74.4	●	↓	9.46 × 10 ³ hectares 2018
Red List Index of species survival	0.81	scale 0 to 1	45.7	●	↓	0.81 scale 0 to 1 2021
Biodiversity Habitat Index	0.41	scale 0 to 1	18.4	●	●	0.41 scale 0 to 1 2020
Domestic export of endangered terrestrial animals	0.00	WOE/million	100.0	●	●	0.00 WOE 2019
Spillover endangered terrestrial animals	4.56 × 10 ⁻⁶	WOE/capita	99.9	●	●	2.30 × 10 WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	0.00	WOE/million	100.0	●	●	0.00 WOE 2019
Spillover endangered marine animals	0.00	WOE/capita	100.0	●	●	0.00 WOE 2019
Unprotected marine biodiversity sites	48.66	%	51.8	●	↓	48.66 % 2020
Domestic marine biodiversity threats	2.48	spp./million	17.4	●	●	12.39 species 2018
Spillover marine biodiversity threats	0.25	spp./million	19.0	●	●	1.24 species 2018
Fish caught from overexploited or collapsed stocks	36.57	%	41.6	●	↓	36.57 % 2018
Fish caught by trawling	0.00	%	100.0	●	●	0.00 % 2018
Domestic vulnerable fisheries catch	20.55	tonnes/capita	28.7	●	→	0.10 Tg 2018
Spillover vulnerable fisheries catch	13.81	tonnes/capita	28.8	●	↓	0.07 tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	1.09	scale 0 to 1.4	6.2	●	↓	1.09 scale 0 to 1.4 2015
Domestic nitrogen surplus	23.03	kg/capita	35.0	●	→	111.66 Gg 2015
Spillover nitrogen surplus	4.30	kg/capita	32.3	●	→	20.85 Tg 2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	●	●	NA kt NA
Spillover phosphorus fertilizer	3.69	g/capita	28.8	●	→	18.45 kt 2018
Water Cycle						
Domestic scarce water consumption	21.86	m ³ H ₂ O-eq./capita	27.6	●	→	109.31 Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	34.11	m ³ H ₂ O-eq./capita	50.4	●	↓	170.54 Mm ³ H ₂ O-eq. 2018
Domestic water stress	2.09	ML H ₂ O-eq./capita	26.9	●	→	10.43 Bm ³ H ₂ O-eq. 2018
Spillover water stress	1.93	m ³ H ₂ O-eq./capita	41.3	●	↓	9.63 Mm ³ H ₂ O-eq. 2018

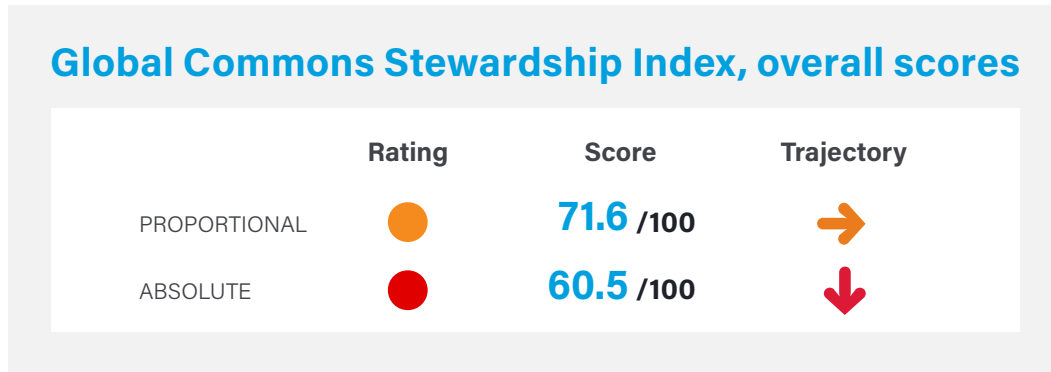
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Côte d'Ivoire

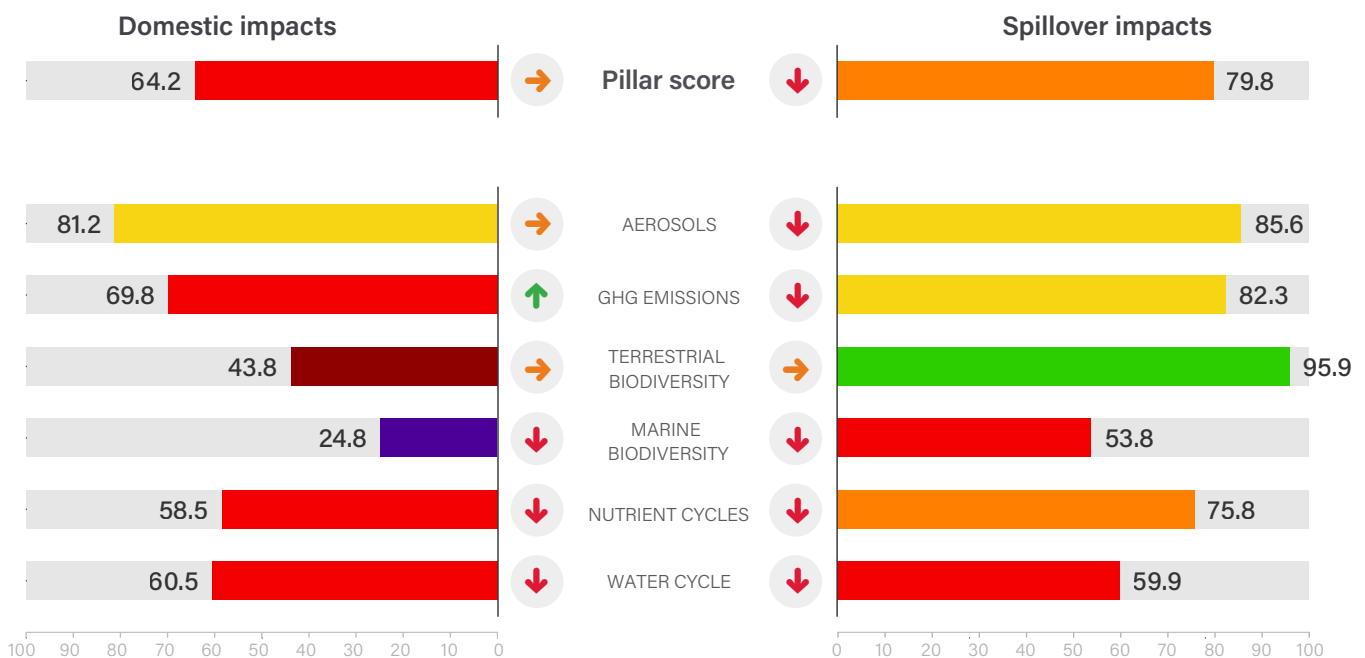
Africa

Land area	318,000 sq. km	Population	26.4 million
GDP (PPP, constant 2017 US\$, billions)	\$136.5	GDP per capita	\$5,174
Human Development Index (HDI)	0.550	HDI category	Medium



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

	95–100	None or limited
	90–95	Low
	80–90	Medium-low
	70–80	Medium-high
	50–70	High
	30–50	Very high
	0–30	Extreme

Trajectories

Based on 5-year growth rates

	Projected to meet 2050 threshold
	Projected to meet 2030 threshold only
	Insufficient progress toward threshold
	Headed in wrong direction

Côte d'Ivoire

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	0.94	kg/capita	98.2	●	↑	23.60 Gg 2018
Spillover SO ₂ emissions	1.00	kg/capita	90.9	●	↓	23.28 Gg 2015
Domestic NO _x emissions	2.93	kg/capita	100.0	●	↓	73.48 Gg 2018
Spillover NO _x emissions	1.13	kg/capita	84.5	●	↓	26.35 Gg 2015
Domestic black carbon emissions	0.60	kg/capita	54.6	●	→	15.05 Gg 2018
Spillover black carbon emissions	0.05	kg/capita	81.6	●	↓	1.26 Gg 2015
GHG Emissions						
Domestic GHG emissions	2.12	t CO ₂ e/capita	97.7	●	↑	54.51 Tg 2019
Spillover GHG emissions	0.76	t CO ₂ e/capita	82.3	●	↓	19.16 Tg 2018
CO ₂ emissions embodied in fossil fuel exports	0.21	t CO ₂ e/capita	25.4	●	●	5.28 Tg 2019
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	73.78	%	27.6	●	↓	73.78 % 2020
Unprotected freshwater biodiversity sites	80.95	%	20.7	●	↓	80.95 % 2020
Domestic land use related biodiversity loss	6.60 × 10 ⁻¹²	global PDF/capita	91.2	●	→	1.65 × 10 ⁻⁴ global PDF 2018
Spillover land use related biodiversity loss	1.47 × 10 ⁻¹²	global PDF/capita	94.2	●	↓	3.69 × 10 ⁻⁵ global PDF 2018
Domestic freshwater biodiversity threats	0.55	spp./million	32.2	●	●	13.85 species 2018
Spillover freshwater biodiversity threats	0.00	spp./million	95.7	●	●	0.07 species 2018
Domestic deforestation	1.94	%	1.0	●	↓	2.71 × 10 ⁵ hectares 2020
Spillover deforestation	5.65 × 10 ⁻⁴	ha/capita	93.8	●	→	1.42 × 10 ⁴ hectares 2018
Red List Index of species survival	0.90	scale 0 to 1	73.1	●	↓	0.90 scale 0 to 1 2021
Biodiversity Habitat Index	0.41	scale 0 to 1	17.8	●	●	0.41 scale 0 to 1 2020
Domestic export of endangered terrestrial animals	0.00	WOE/million	100.0	●	●	0.00 WOE 2019
Spillover endangered terrestrial animals	0.00	WOE/capita	100.0	●	●	0.00 WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	0.00	WOE/million	100.0	●	●	0.00 WOE 2019
Spillover endangered marine animals	0.00	WOE/capita	100.0	●	●	0.00 WOE 2019
Unprotected marine biodiversity sites	97.90	%	3.1	●	↓	97.90 % 2020
Domestic marine biodiversity threats	0.20	spp./million	52.0	●	●	5.09 species 2018
Spillover marine biodiversity threats	0.00	spp./million	83.9	●	●	0.04 species 2018
Fish caught from overexploited or collapsed stocks	52.06	%	16.9	●	↓	52.06 % 2018
Fish caught by trawling	12.61	%	79.6	●	↓	12.61 % 2018
Domestic vulnerable fisheries catch	18.19	tonnes/capita	30.3	●	→	0.46 Tg 2018
Spillover vulnerable fisheries catch	25.55	tonnes/capita	18.6	●	↓	0.64 tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.92	scale 0 to 1.4	20.8	●	↓	0.92 scale 0 to 1.4 2015
Domestic nitrogen surplus	2.86	kg/capita	93.1	●	↓	66.44 Gg 2015
Spillover nitrogen surplus	0.15	kg/capita	95.9	●	↓	3.50 Tg 2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	●	●	NA kt NA
Spillover phosphorus fertilizer	1.35	g/capita	59.9	●	↓	33.87 kt 2018
Water Cycle						
Domestic scarce water consumption	0.94	m ³ H ₂ O-eq./capita	63.0	●	↓	23.46 Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	13.71	m ³ H ₂ O-eq./capita	74.1	●	↓	155.41 Mm ³ H ₂ O-eq. 2018
Domestic water stress	0.31	ML H ₂ O-eq./capita	51.6	●	↓	7.73 Bm ³ H ₂ O-eq. 2018
Spillover water stress	0.81	m ³ H ₂ O-eq./capita	63.8	●	↓	9.14 Mm ³ H ₂ O-eq. 2018

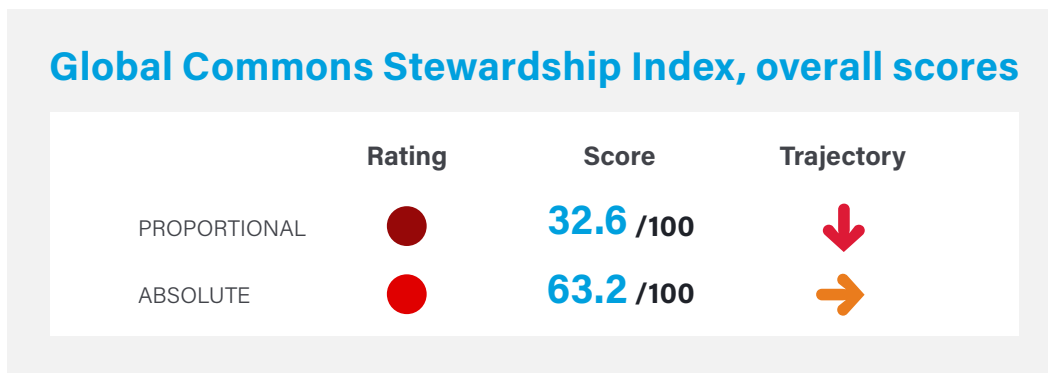
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Croatia

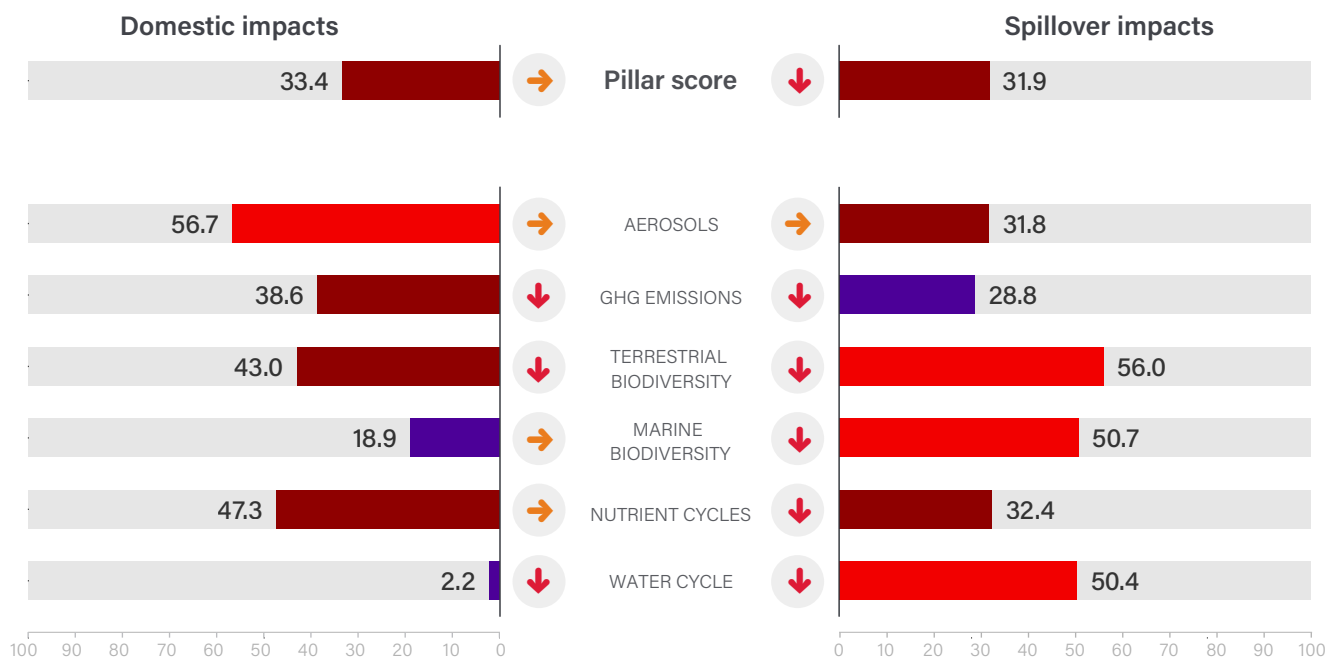
Eastern Europe and Central Asia

Land area	56,590 sq. km	Population	4.0 million
GDP (PPP, constant 2017 US\$, billions)	\$107.1	GDP per capita	\$26,465
Human Development Index (HDI)	0.858	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories

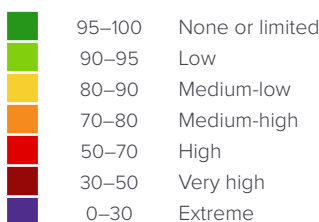


The Global Commons Stewardship Index

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Dashboard categories

Negative impacts on the Global Commons



Trajectories

Based on 5-year growth rates



Croatia

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	7.74	kg/capita	49.7	● ↗	31.65	Gg	2018
Spillover SO ₂ emissions	12.23	kg/capita	21.8	● ↓	51.42	Gg	2015
Domestic NO _x emissions	12.02	kg/capita	85.4	● ↓	49.15	Gg	2018
Spillover NO _x emissions	7.81	kg/capita	33.3	● ↗	32.81	Gg	2015
Domestic black carbon emissions	0.73	kg/capita	43.0	● ↓	2.98	Gg	2018
Spillover black carbon emissions	0.21	kg/capita	44.2	● ↗	0.88	Gg	2015
GHG Emissions							
Domestic GHG emissions	7.89	t CO ₂ e/capita	46.8	● ↓	32.06	Tg	2019
Spillover GHG emissions	5.14	t CO ₂ e/capita	28.8	● ↓	21.02	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	0.47	t CO ₂ e/capita	21.7	● ●	1.88	Tg	2020
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	76.88	%	24.4	● ↓	76.88	%	2020
Unprotected freshwater biodiversity sites	84.93	%	16.6	● ↓	84.93	%	2020
Domestic land use related biodiversity loss	6.33 × 10 ⁻¹²	global PDF/capita	91.6	● ↓	2.59 × 10 ⁻⁵	global PDF	2018
Spillover land use related biodiversity loss	5.65 × 10 ⁻¹²	global PDF/capita	69.2	● ↓	2.31 × 10 ⁻⁵	global PDF	2018
Domestic freshwater biodiversity threats	7.19	spp./million	1.0	● ●	29.89	species	2018
Spillover freshwater biodiversity threats	0.33	spp./million	16.9	● ●	1.37	species	2018
Domestic deforestation	0.26	%	80.8	● ↓	5.99 × 10 ³	hectares	2020
Spillover deforestation	1.22 × 10 ⁻³	ha/capita	84.2	● ↓	4.99 × 10 ³	hectares	2018
Red List Index of species survival	0.90	scale 0 to 1	71.4	● ↓	0.90	scale 0 to 1	2021
Biodiversity Habitat Index	0.34	scale 0 to 1	7.4	● ●	0.34	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	3.94 × 10 ⁻⁶	WOE/million	100.0	● ●	1.60 × 10	WOE	2019
Spillover endangered terrestrial animals	3.20 × 10 ⁻⁶	WOE/capita	100.0	● ●	1.30 × 10	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE	2019
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE	2019
Unprotected marine biodiversity sites	81.68	%	19.1	● ↓	81.68	%	2020
Domestic marine biodiversity threats	0.42	spp./million	42.0	● ●	1.75	species	2018
Spillover marine biodiversity threats	0.05	spp./million	40.1	● ●	0.20	species	2018
Fish caught from overexploited or collapsed stocks	62.00	%	1.0	● ↗	62.00	%	2018
Fish caught by trawling	14.40	%	76.6	● ↗	14.40	%	2018
Domestic vulnerable fisheries catch	26.46	tonnes/capita	25.4	● ↗	0.11	Tg	2018
Spillover vulnerable fisheries catch	11.10	tonnes/capita	32.5	● ↓	0.05	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	0.49	scale 0 to 1.4	58.7	● ↗	0.49	scale 0 to 1.4	2015
Domestic nitrogen surplus	15.05	kg/capita	58.0	● ↑	63.25	Gg	2015
Spillover nitrogen surplus	6.10	kg/capita	25.6	● ↓	25.64	Tg	2015
Domestic phosphorus fertilizer	8.72	kg/capita	34.5	● ↓	35.65	kt	2018
Spillover phosphorus fertilizer	2.49	g/capita	41.0	● ↓	10.17	kt	2018
Water Cycle							
Domestic scarce water consumption	233.29	m ³ H ₂ O-eq./capita	1.0	● ↓	953.64	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	114.62	m ³ H ₂ O-eq./capita	18.8	● ↓	136.31	Mm ³ H ₂ O-eq.	2018
Domestic water stress	0.36	ML H ₂ O-eq./capita	49.6	● ↓	1.47	Bm ³ H ₂ O-eq.	2018
Spillover water stress	4.23	m ³ H ₂ O-eq./capita	20.9	● ↓	5.03	Mm ³ H ₂ O-eq.	2018

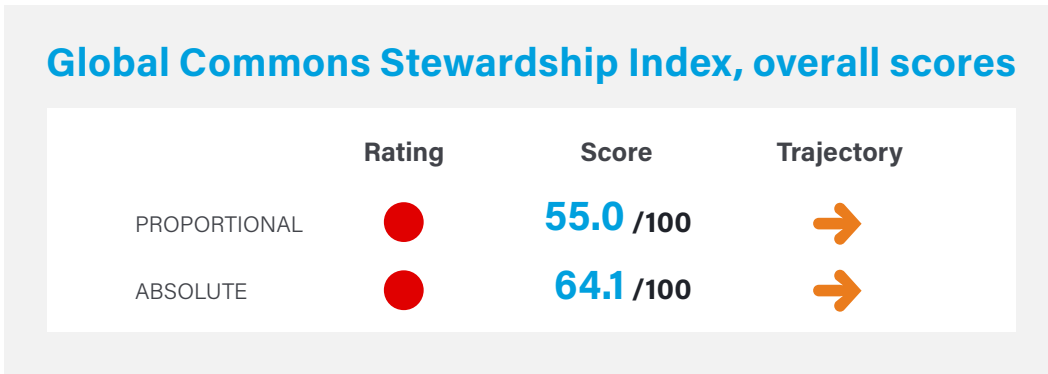
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Cuba

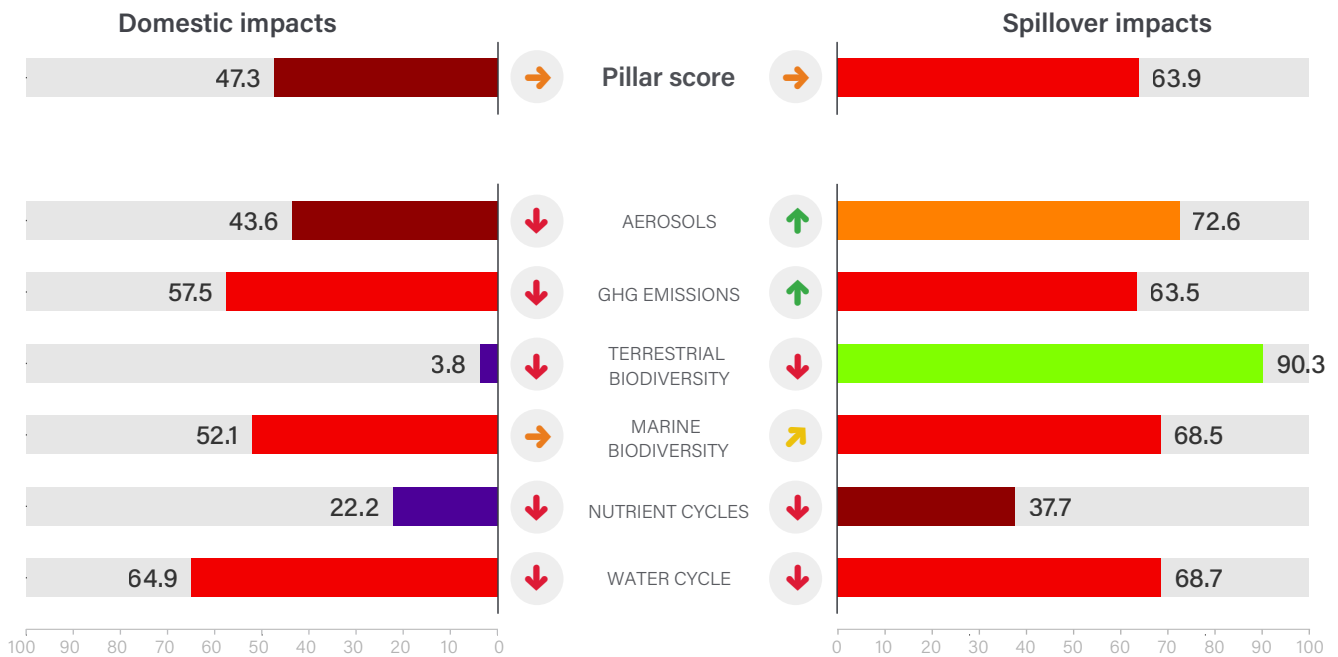
Latin America and Caribbean

Land area	103,800 sq. km	Population	11.3 million
GDP (PPP, constant 2017 US\$, billions)	\$279.4	GDP per capita	\$24,668
Human Development Index (HDI)	0.764	HDI category	High



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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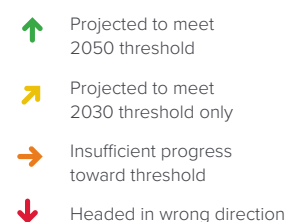
Dashboard categories

Negative impacts on the Global Commons












Trajectories

Based on 5-year growth rates



Cuba

Performance by Indicator

Indicator	Proportional			Absolute		
	Value	Units	Score	Value	Units	Year
Aerosols						
Domestic SO ₂ emissions	28.46	kg/capita	19.8	 	322.74	Gg 2018
Spillover SO ₂ emissions	1.62	kg/capita	77.7	 	18.31	Gg 2015
Domestic NO _x emissions	11.47	kg/capita	86.5	 	130.10	Gg 2018
Spillover NO _x emissions	2.34	kg/capita	65.3	 	26.48	Gg 2015
Domestic black carbon emissions	0.67	kg/capita	48.4	 	7.58	Gg 2018
Spillover black carbon emissions	0.07	kg/capita	75.5	 	0.77	Gg 2015
GHG Emissions						
Domestic GHG emissions	5.98	t CO ₂ e/capita	57.5	 	67.77	Tg 2019
Spillover GHG emissions	1.50	t CO ₂ e/capita	63.5	 	16.96	Tg 2018
CO ₂ emissions embodied in fossil fuel exports	NA	t CO ₂ e/capita	NA	 	NA	Tg NA
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	54.48	%	47.1	 	54.48	% 2020
Unprotected freshwater biodiversity sites	98.19	%	2.9	 	98.19	% 2020
Domestic land use related biodiversity loss	8.12 × 10 ⁻¹¹	global PDF/capita	1.0	 	9.20 × 10 ⁻⁴	global PDF 2018
Spillover land use related biodiversity loss	3.69 × 10 ⁻¹²	global PDF/capita	80.9	 	4.19 × 10 ⁻⁵	global PDF 2018
Domestic freshwater biodiversity threats	1.33	spp./million	20.1	 	15.11	species 2018
Spillover freshwater biodiversity threats	0.00	spp./million	88.6	 	0.05	species 2018
Domestic deforestation	0.26	%	80.2	 	1.12 × 10 ⁴	hectares 2020
Spillover deforestation	6.46 × 10 ⁻⁴	ha/capita	92.6	 	7.33 × 10 ³	hectares 2018
Red List Index of species survival	0.66	scale 0 to 1	1.0	 	0.66	scale 0 to 1 2021
Biodiversity Habitat Index	0.38	scale 0 to 1	13.9	 	0.38	scale 0 to 1 2020
Domestic export of endangered terrestrial animals	4.16 × 10 ⁻⁵	WOE/million	99.6	 	4.71 × 10 ²	WOE 2019
Spillover endangered terrestrial animals	0.00	WOE/capita	100.0	 	0.00	WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	4.41 × 10 ⁻⁷	WOE/million	100.0	 	5.00	WOE 2019
Spillover endangered marine animals	0.00	WOE/capita	100.0	 	0.00	WOE 2019
Unprotected marine biodiversity sites	70.06	%	30.6	 	70.06	% 2020
Domestic marine biodiversity threats	1.94	spp./million	20.8	 	21.95	species 2018
Spillover marine biodiversity threats	0.02	spp./million	53.2	 	0.19	species 2018
Fish caught from overexploited or collapsed stocks	5.91	%	90.6	 	5.91	% 2018
Fish caught by trawling	0.00	%	100.0	 	0.00	% 2018
Domestic vulnerable fisheries catch	2.54	tonnes/capita	56.2	 	0.03	Tg 2018
Spillover vulnerable fisheries catch	2.10	tonnes/capita	60.3	 	0.02	tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	1.06	scale 0 to 1.4	9.2	 	1.06	scale 0 to 1.4 2015
Domestic nitrogen surplus	10.66	kg/capita	70.7	 	120.74	Gg 2015
Spillover nitrogen surplus	1.18	kg/capita	56.8	 	13.36	Tg 2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	 	NA	kt NA
Spillover phosphorus fertilizer	4.17	g/capita	25.0	 	47.27	kt 2018
Water Cycle						
Domestic scarce water consumption	0.30	m ³ H ₂ O-eq./capita	75.9	 	3.37	Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	40.15	m ³ H ₂ O-eq./capita	46.1	 	426.78	Mm ³ H ₂ O-eq. 2018
Domestic water stress	1.13	ML H ₂ O-eq./capita	34.8	 	12.83	Bm ³ H ₂ O-eq. 2018
Spillover water stress	1.50	m ³ H ₂ O-eq./capita	47.8	 	15.89	Mm ³ H ₂ O-eq. 2018

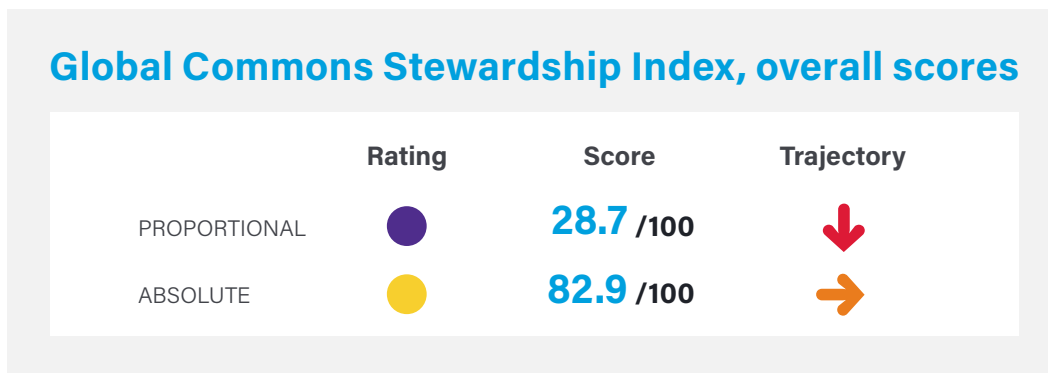
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Cyprus

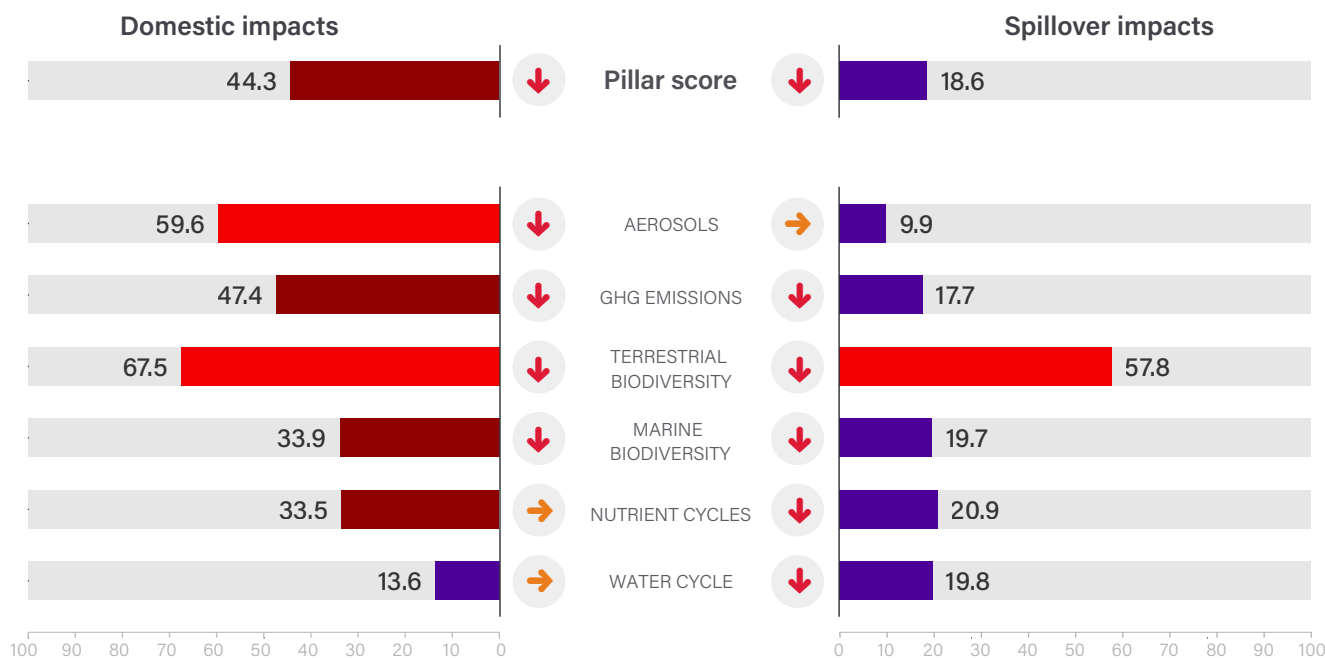
Eastern Europe and Central Asia

Land area	9,240 sq. km	Population	1.2 million
GDP (PPP, constant 2017 US\$, billions)	\$33.7	GDP per capita	\$27,885
Human Development Index (HDI)	0.896	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons



Trajectories

Based on 5-year growth rates



Cyprus

Performance by Indicator

Indicator	Proportional			Absolute		
	Value	Units	Score	Value	Units	Year
Aerosols						
Domestic SO ₂ emissions	18.48	kg/capita	29.7	● ↓	21.98 Gg	2018
Spillover SO ₂ emissions	12.24	kg/capita	21.8	● →	14.21 Gg	2015
Domestic NO _x emissions	15.54	kg/capita	78.2	● ↓	18.48 Gg	2018
Spillover NO _x emissions	25.01	kg/capita	2.4	● ↓	29.04 Gg	2015
Domestic black carbon emissions	0.20	kg/capita	91.1	● ↓	0.23 Gg	2018
Spillover black carbon emissions	0.53	kg/capita	18.4	● ↓	0.62 Gg	2015
GHG Emissions						
Domestic GHG emissions	7.77	t CO ₂ e/capita	47.4	● ↓	9.31 Tg	2019
Spillover GHG emissions	7.65	t CO ₂ e/capita	17.7	● ↓	9.10 Tg	2018
CO ₂ emissions embodied in fossil fuel exports	NA	t CO ₂ e/capita	NA	● ●	NA Tg	NA
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	72.31	%	29.1	● ↓	72.31 %	2020
Unprotected freshwater biodiversity sites	36.57	%	66.5	● ↓	36.57 %	2020
Domestic land use related biodiversity loss	1.03 × 10 ⁻¹¹	global PDF/capita	86.4	● ↓	1.22 × 10 ⁻⁵ global PDF	2018
Spillover land use related biodiversity loss	9.21 × 10 ⁻¹²	global PDF/capita	47.8	● ↓	1.10 × 10 ⁻⁵ global PDF	2018
Domestic freshwater biodiversity threats	0.72	spp./million	28.6	● ●	0.85 species	2018
Spillover freshwater biodiversity threats	0.11	spp./million	35.3	● ●	0.13 species	2018
Domestic deforestation	0.02	%	98.4	● ↓	1.98 × 10 hectares	2020
Spillover deforestation	2.21 × 10 ⁻³	ha/capita	69.7	● ↓	2.63 × 10 ³ hectares	2018
Red List Index of species survival	0.99	scale 0 to 1	100.0	● ↓	0.99 scale 0 to 1	2021
Biodiversity Habitat Index	0.36	scale 0 to 1	10.2	● ●	0.36 scale 0 to 1	2020
Domestic export of endangered terrestrial animals	0.00	WOE/million	100.0	● ●	0.00 WOE	2019
Spillover endangered terrestrial animals	4.35 × 10 ⁻⁴	WOE/capita	94.9	● ●	5.21 × 10 ² WOE	2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00 WOE	2019
Spillover endangered marine animals	1.27 × 10 ⁻³	WOE/capita	18.5	● ●	1.53 × 10 ³ WOE	2019
Unprotected marine biodiversity sites	49.64	%	50.9	● ↓	49.64 %	2020
Domestic marine biodiversity threats	0.76	spp./million	33.6	● ●	0.91 species	2018
Spillover marine biodiversity threats	0.29	spp./million	16.8	● ●	0.35 species	2018
Fish caught from overexploited or collapsed stocks	54.34	%	13.2	● →	54.34 %	2018
Fish caught by trawling	18.31	%	70.2	● ↓	18.31 %	2018
Domestic vulnerable fisheries catch	36.63	tonnes/capita	21.1	● ↓	0.04 Tg	2018
Spillover vulnerable fisheries catch	17.74	tonnes/capita	24.6	● ↓	0.02 tonnes	2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	1.07	scale 0 to 1.4	7.8	● →	1.07 scale 0 to 1.4	2015
Domestic nitrogen surplus	8.10	kg/capita	78.0	● →	9.40 Gg	2015
Spillover nitrogen surplus	8.58	kg/capita	19.2	● →	9.96 Tg	2015
Domestic phosphorus fertilizer	4.37	kg/capita	53.0	● ↓	5.19 kt	2018
Spillover phosphorus fertilizer	4.47	g/capita	22.8	● ↓	5.32 kt	2018
Water Cycle						
Domestic scarce water consumption	73.09	m ³ H ₂ O-eq./capita	14.0	● →	86.92 Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	85.88	m ³ H ₂ O-eq./capita	26.3	● ↓	7,119.97 Mm ³ H ₂ O-eq.	2018
Domestic water stress	6.64	ML H ₂ O-eq./capita	12.0	● →	7.89 Bm ³ H ₂ O-eq.	2018
Spillover water stress	3.39	m ³ H ₂ O-eq./capita	26.6	● ↓	281.31 Mm ³ H ₂ O-eq.	2018

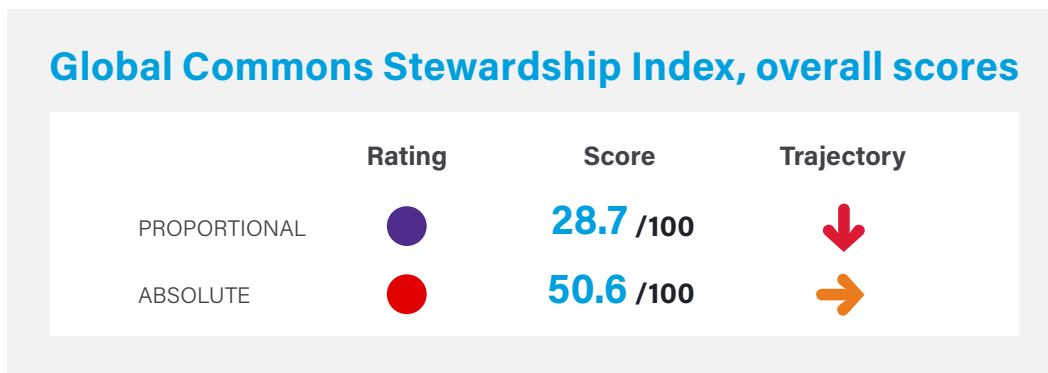
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Czechia

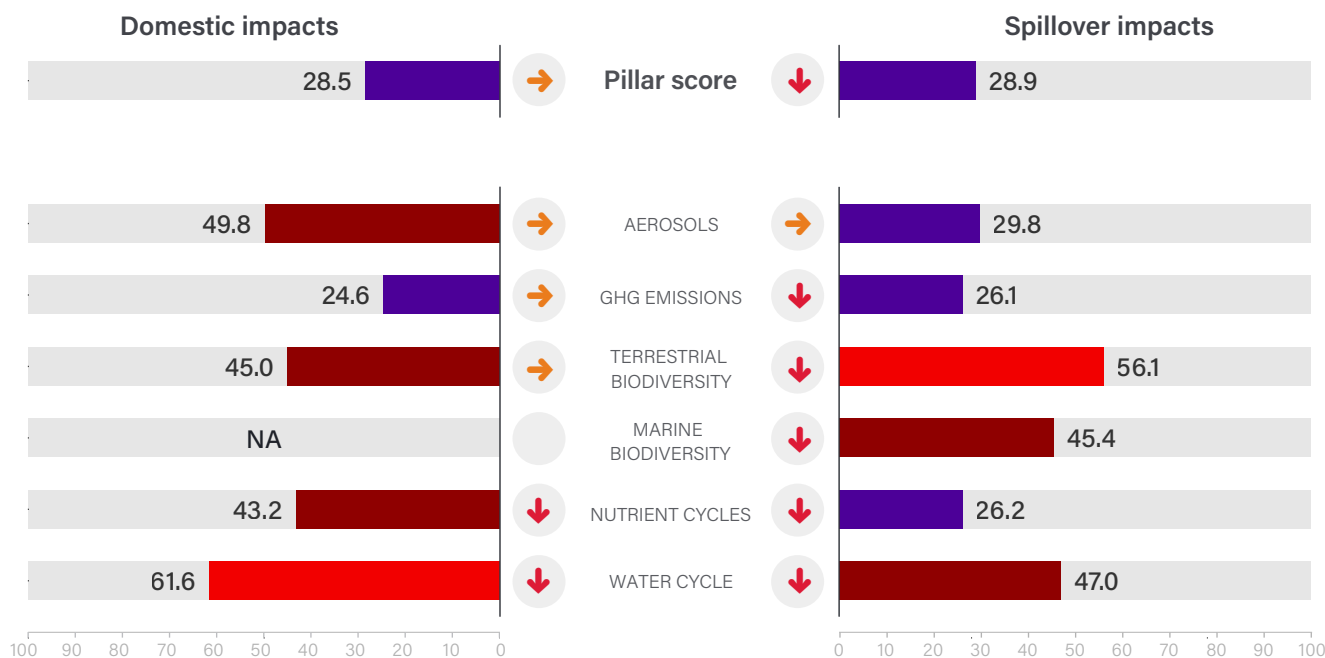
OECD Member

Land area	77,200 sq. km	Population	10.7 million
GDP (PPP, constant 2017 US\$, billions)	\$412.0	GDP per capita	\$38,509
Human Development Index (HDI)	0.889	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

	95–100	None or limited
	90–95	Low
	80–90	Medium-low
	70–80	Medium-high
	50–70	High
	30–50	Very high
	0–30	Extreme

Trajectories

Based on 5-year growth rates

	Projected to meet 2050 threshold
	Projected to meet 2030 threshold only
	Insufficient progress toward threshold
	Headed in wrong direction

Czechia

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	16.68	kg/capita	32.1	● →	177.26	Gg 2018
Spillover SO ₂ emissions	8.99	kg/capita	30.3	● →	94.78	Gg 2015
Domestic NO _x emissions	20.79	kg/capita	67.5	● →	221.00	Gg 2018
Spillover NO _x emissions	10.46	kg/capita	25.6	● →	110.32	Gg 2015
Domestic black carbon emissions	0.57	kg/capita	57.0	● →	6.09	Gg 2018
Spillover black carbon emissions	0.30	kg/capita	34.0	● →	3.19	Gg 2015
GHG Emissions						
Domestic GHG emissions	13.62	t CO ₂ e/capita	25.6	● →	145.38	Tg 2019
Spillover GHG emissions	5.67	t CO ₂ e/capita	26.1	● ↓	60.32	Tg 2018
CO ₂ emissions embodied in fossil fuel exports	0.46	t CO ₂ e/capita	21.8	● ●	4.87	Tg 2021
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	94.71	%	6.4	● ↓	94.71	% 2020
Unprotected freshwater biodiversity sites	92.11	%	9.1	● ↓	92.11	% 2020
Domestic land use related biodiversity loss	1.51 × 10 ⁻¹²	global PDF/capita	98.0	● →	1.61 × 10 ⁻⁵	global PDF 2018
Spillover land use related biodiversity loss	5.55 × 10 ⁻¹²	global PDF/capita	69.8	● ↓	5.90 × 10 ⁻⁵	global PDF 2018
Domestic freshwater biodiversity threats	0.04	spp./million	68.9	● ●	0.39	species 2018
Spillover freshwater biodiversity threats	0.18	spp./million	27.2	● ●	1.91	species 2018
Domestic deforestation	2.19	%	1.0	● ↓	7.07 × 10 ⁴	hectares 2020
Spillover deforestation	2.35 × 10 ⁻³	ha/capita	67.6	● ↓	2.50 × 10 ⁴	hectares 2018
Red List Index of species survival	0.97	scale 0 to 1	94.5	● ↗	0.97	scale 0 to 1 2021
Biodiversity Habitat Index	0.39	scale 0 to 1	14.6	● ●	0.39	scale 0 to 1 2020
Domestic export of endangered terrestrial animals	0.00	WOE/million	100.0	● ●	0.00	WOE 2019
Spillover endangered terrestrial animals	1.97 × 10 ⁻³	WOE/capita	77.0	● ●	2.10 × 10 ⁴	WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	NA	WOE/million	NA	● ●	NA	WOE NA
Spillover endangered marine animals	1.56 × 10 ⁻⁴	WOE/capita	90.0	● ●	1.67 × 10 ³	WOE 2019
Unprotected marine biodiversity sites	NA	%	NA	● ●	NA	% NA
Domestic marine biodiversity threats	NA	spp./million	NA	● ●	NA	species NA
Spillover marine biodiversity threats	0.05	spp./million	38.6	● ●	0.57	species 2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	● ●	NA	% NA
Fish caught by trawling	NA	%	NA	● ●	NA	% NA
Domestic vulnerable fisheries catch	NA	tonnes/capita	NA	● ●	NA	Tg NA
Spillover vulnerable fisheries catch	15.42	tonnes/capita	27.0	● ↓	0.16	tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.49	scale 0 to 1.4	58.2	● ↓	0.49	scale 0 to 1.4 2015
Domestic nitrogen surplus	26.08	kg/capita	26.2	● ↓	275.04	Gg 2015
Spillover nitrogen surplus	8.24	kg/capita	19.9	● ↓	86.88	Tg 2015
Domestic phosphorus fertilizer	4.84	kg/capita	50.3	● ↓	51.44	kt 2018
Spillover phosphorus fertilizer	3.09	g/capita	34.4	● ↓	32.79	kt 2018
Water Cycle						
Domestic scarce water consumption	1.42	m ³ H ₂ O-eq./capita	58.3	● ↓	15.11	Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	98.64	m ³ H ₂ O-eq./capita	22.7	● ↓	571.50	Mm ³ H ₂ O-eq. 2018
Domestic water stress	0.04	ML H ₂ O-eq./capita	76.9	● ↓	0.46	Bm ³ H ₂ O-eq. 2018
Spillover water stress	3.22	m ³ H ₂ O-eq./capita	28.0	● ↓	18.67	Mm ³ H ₂ O-eq. 2018

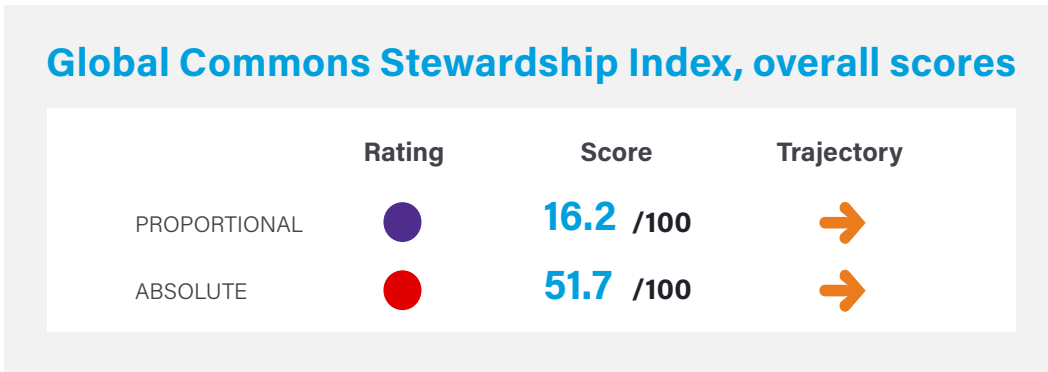
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Denmark

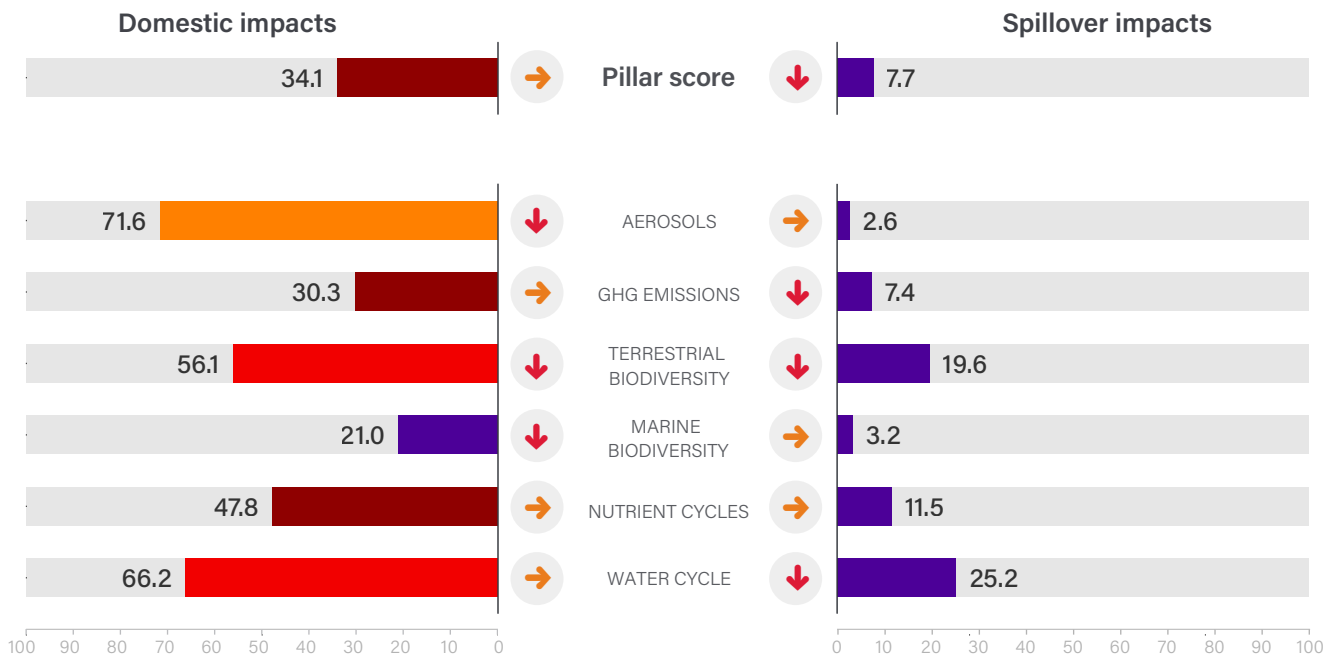
OECD Member

Land area	40,000 sq. km	Population	5.8 million
GDP (PPP, constant 2017 US\$, billions)	\$325.5	GDP per capita	\$55,820
Human Development Index (HDI)	0.948	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories



The Global Commons Stewardship Index

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Dashboard categories

Negative impacts on the Global Commons

	95–100	None or limited
	90–95	Low
	80–90	Medium-low
	70–80	Medium-high
	50–70	High
	30–50	Very high
	0–30	Extreme

Trajectories

Based on 5-year growth rates

	Projected to meet 2050 threshold
	Projected to meet 2030 threshold only
	Insufficient progress toward threshold
	Headed in wrong direction

Denmark

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	3.57	kg/capita	67.5	● ↓	20.69	Gg 2018
Spillover SO ₂ emissions	21.32	kg/capita	6.5	● →	121.18	Gg 2015
Domestic NO _x emissions	17.92	kg/capita	73.3	● →	103.82	Gg 2018
Spillover NO _x emissions	27.60	kg/capita	1.0	● →	156.84	Gg 2015
Domestic black carbon emissions	0.38	kg/capita	74.1	● ↓	2.23	Gg 2018
Spillover black carbon emissions	0.94	kg/capita	2.6	● →	5.34	Gg 2015
GHG Emissions						
Domestic GHG emissions	10.61	t CO ₂ e/capita	35.3	● →	61.67	Tg 2019
Spillover GHG emissions	11.04	t CO ₂ e/capita	7.4	● ↓	63.94	Tg 2018
CO ₂ emissions embodied in fossil fuel exports	0.78	t CO ₂ e/capita	19.3	● ●	4.57	Tg 2021
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	88.82	%	12.3	● ↓	88.82	% 2020
Unprotected freshwater biodiversity sites	99.48	%	1.5	● ↓	99.48	% 2020
Domestic land use related biodiversity loss	1.96 × 10 ⁻¹²	global PDF/capita	97.4	● →	1.14 × 10 ⁻⁵	global PDF 2018
Spillover land use related biodiversity loss	1.02 × 10 ⁻¹¹	global PDF/capita	42.2	● ↓	5.88 × 10 ⁻⁵	global PDF 2018
Domestic freshwater biodiversity threats	0.01	spp./million	89.2	● ●	0.04	species 2018
Spillover freshwater biodiversity threats	0.11	spp./million	35.1	● ●	0.65	species 2018
Domestic deforestation	0.66	%	50.5	● ↓	4.75 × 10 ³	hectares 2020
Spillover deforestation	6.89 × 10 ⁻³	ha/capita	1.0	● ↓	3.99 × 10 ⁴	hectares 2018
Red List Index of species survival	0.97	scale 0 to 1	95.5	● ↓	0.97	scale 0 to 1 2021
Biodiversity Habitat Index	0.34	scale 0 to 1	8.7	● ●	0.34	scale 0 to 1 2020
Domestic export of endangered terrestrial animals	0.00	WOE/million	100.0	● ●	0.00	WOE 2019
Spillover endangered terrestrial animals	8.48 × 10 ⁻⁵	WOE/capita	99.0	● ●	4.93 × 10 ²	WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	2.75 × 10 ⁻⁶	WOE/million	99.9	● ●	1.60 × 10	WOE 2019
Spillover endangered marine animals	3.14 × 10 ⁻²	WOE/capita	1.0	● ●	1.82 × 10 ⁵	WOE 2019
Unprotected marine biodiversity sites	86.99	%	13.9	● ↓	86.99	% 2020
Domestic marine biodiversity threats	0.07	spp./million	67.3	● ●	0.39	species 2018
Spillover marine biodiversity threats	0.08	spp./million	34.0	● ●	0.44	species 2018
Fish caught from overexploited or collapsed stocks	35.73	%	43.0	● ↓	35.73	% 2018
Fish caught by trawling	20.49	%	66.6	● ↓	20.49	% 2018
Domestic vulnerable fisheries catch	328.63	tonnes/capita	1.0	● ↓	1.90	Tg 2018
Spillover vulnerable fisheries catch	78.93	tonnes/capita	1.0	● →	0.46	tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.37	scale 0 to 1.4	68.4	● →	0.37	scale 0 to 1.4 2015
Domestic nitrogen surplus	22.67	kg/capita	36.1	● ↓	128.86	Gg 2015
Spillover nitrogen surplus	15.49	kg/capita	8.0	● ↓	88.06	Tg 2015
Domestic phosphorus fertilizer	5.86	kg/capita	45.1	● ↓	33.96	kt 2018
Spillover phosphorus fertilizer	5.45	g/capita	16.7	● →	31.58	kt 2018
Water Cycle						
Domestic scarce water consumption	0.58	m ³ H ₂ O-eq./capita	68.3	● ↗	3.38	Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	19.13	m ³ H ₂ O-eq./capita	65.4	● ↓	203.27	Mm ³ H ₂ O-eq. 2018
Domestic water stress	0.18	ML H ₂ O-eq./capita	58.3	● ↓	1.06	Bm ³ H ₂ O-eq. 2018
Spillover water stress	0.94	m ³ H ₂ O-eq./capita	59.8	● ↓	10.01	Mm ³ H ₂ O-eq. 2018

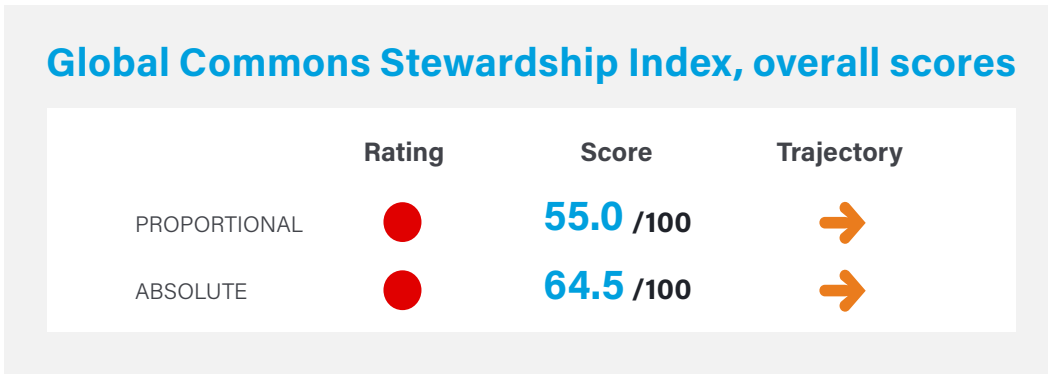
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Dominican Republic

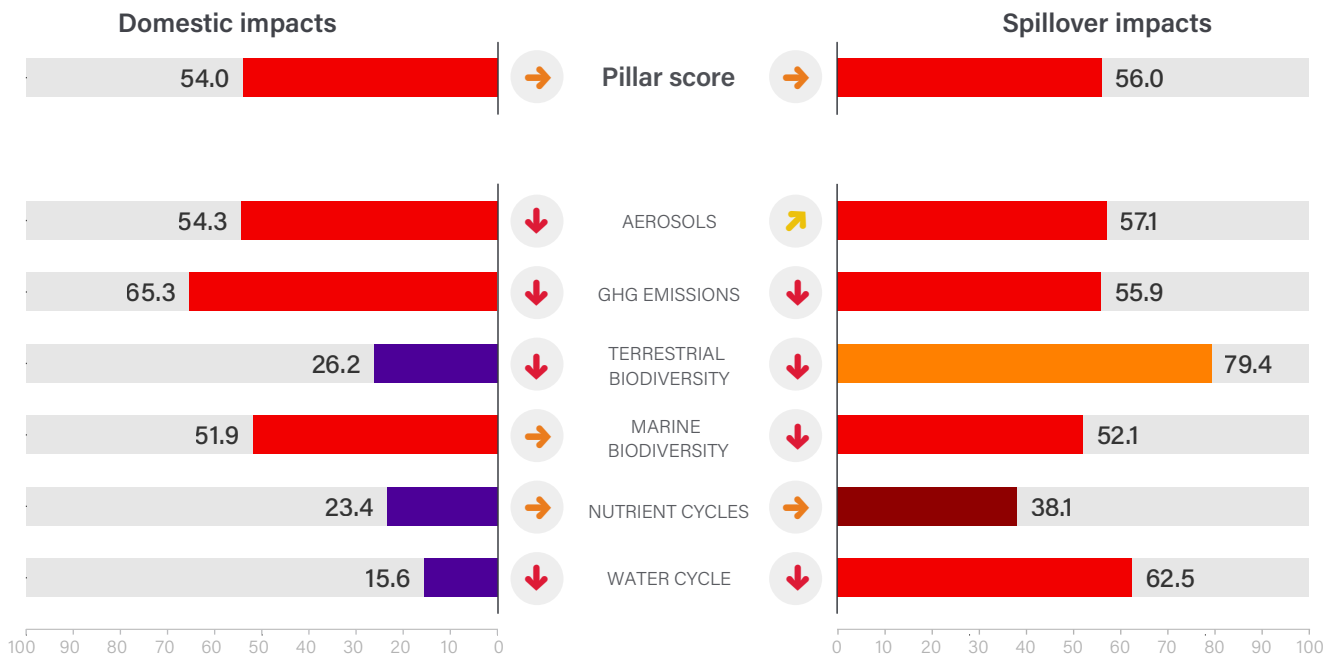
Latin America and Caribbean

Land area	48,310 sq. km	Population	10.8 million
GDP (PPP, constant 2017 US\$, billions)	\$184.4	GDP per capita	\$17,003
Human Development Index (HDI)	0.767	HDI category	High



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

95–100	None or limited
90–95	Low
80–90	Medium-low
70–80	Medium-high
50–70	High
30–50	Very high
0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Dominican Republic

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	16.13	kg/capita	32.8	● →	171.41	Gg 2018
Spillover SO ₂ emissions	2.68	kg/capita	63.7	● ↑	27.58	Gg 2015
Domestic NO _x emissions	18.36	kg/capita	72.4	● ↓	195.15	Gg 2018
Spillover NO _x emissions	3.22	kg/capita	56.9	● →	33.06	Gg 2015
Domestic black carbon emissions	0.46	kg/capita	67.2	● ↓	4.89	Gg 2018
Spillover black carbon emissions	0.16	kg/capita	51.4	● ↑	1.66	Gg 2015
GHG Emissions						
Domestic GHG emissions	4.89	t CO ₂ e/capita	65.3	● ↓	52.54	Tg 2019
Spillover GHG emissions	1.96	t CO ₂ e/capita	55.9	● ↓	20.82	Tg 2018
CO ₂ emissions embodied in fossil fuel exports	NA	t CO ₂ e/capita	NA	● ●	NA	Tg NA
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	76.92	%	24.4	● ↓	76.92	% 2020
Unprotected freshwater biodiversity sites	95.45	%	5.7	● ↓	95.45	% 2020
Domestic land use related biodiversity loss	5.47 × 10 ⁻¹¹	global PDF/capita	27.2	● ↓	5.82 × 10 ⁻⁴	global PDF 2018
Spillover land use related biodiversity loss	6.00 × 10 ⁻¹²	global PDF/capita	67.1	● ↓	6.38 × 10 ⁻⁵	global PDF 2018
Domestic freshwater biodiversity threats	0.23	spp./million	44.1	● ●	2.46	species 2018
Spillover freshwater biodiversity threats	0.01	spp./million	75.1	● ●	0.11	species 2018
Domestic deforestation	0.68	%	49.1	● ↓	1.66 × 10 ⁴	hectares 2020
Spillover deforestation	1.59 × 10 ⁻³	ha/capita	78.8	● ↓	1.69 × 10 ⁴	hectares 2018
Red List Index of species survival	0.73	scale 0 to 1	20.4	● ↓	0.73	scale 0 to 1 2021
Biodiversity Habitat Index	0.38	scale 0 to 1	14.4	● ●	0.38	scale 0 to 1 2020
Domestic export of endangered terrestrial animals	0.00	WOE/million	100.0	● ●	0.00	WOE 2019
Spillover endangered terrestrial animals	5.87 × 10 ⁻⁶	WOE/capita	99.9	● ●	6.30 × 10	WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE 2019
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE 2019
Unprotected marine biodiversity sites	81.39	%	19.4	● ↓	81.39	% 2020
Domestic marine biodiversity threats	0.57	spp./million	37.6	● ●	6.11	species 2018
Spillover marine biodiversity threats	0.08	spp./million	33.4	● ●	0.86	species 2018
Fish caught from overexploited or collapsed stocks	2.55	%	96.0	● ↗	2.55	% 2018
Fish caught by trawling	0.00	%	100.0	● ●	0.00	% 2018
Domestic vulnerable fisheries catch	5.95	tonnes/capita	45.0	● →	0.06	Tg 2018
Spillover vulnerable fisheries catch	6.19	tonnes/capita	42.2	● ↓	0.07	tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	1.05	scale 0 to 1.4	10.0	● →	1.05	scale 0 to 1.4 2015
Domestic nitrogen surplus	8.84	kg/capita	75.9	● ↓	90.87	Gg 2015
Spillover nitrogen surplus	1.33	kg/capita	54.6	● →	13.65	Tg 2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt NA
Spillover phosphorus fertilizer	3.97	g/capita	26.6	● ↓	42.17	kt 2018
Water Cycle						
Domestic scarce water consumption	71.50	m ³ H ₂ O-eq./capita	14.3	● ↓	759.80	Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	18.04	m ³ H ₂ O-eq./capita	66.9	● ↓	761.82	Mm ³ H ₂ O-eq. 2018
Domestic water stress	3.02	ML H ₂ O-eq./capita	22.1	● ↓	32.12	Bm ³ H ₂ O-eq. 2018
Spillover water stress	1.42	m ³ H ₂ O-eq./capita	49.2	● ↓	59.77	Mm ³ H ₂ O-eq. 2018

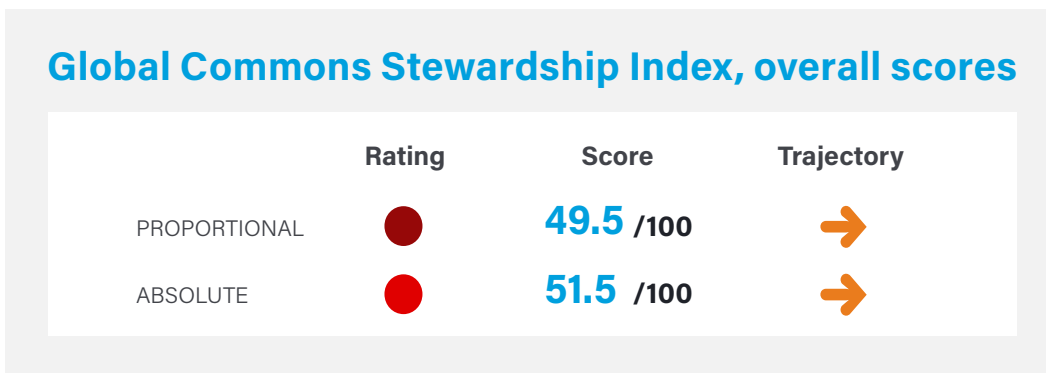
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Ecuador

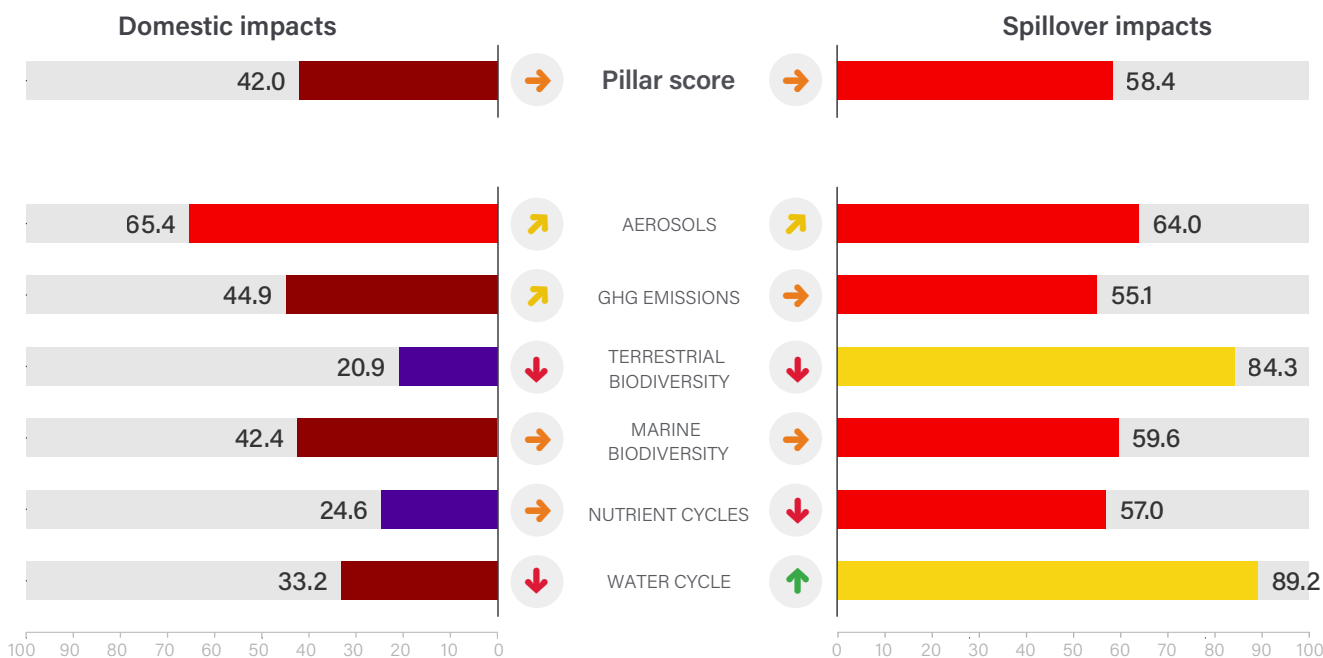
Latin America and Caribbean

Land area	248,360 sq. km	Population	17.6 million
GDP (PPP, constant 2017 US\$, billions)	\$182.2	GDP per capita	\$10,329
Human Development Index (HDI)	0.740	HDI category	High



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

95–100	None or limited
90–95	Low
80–90	Medium-low
70–80	Medium-high
50–70	High
30–50	Very high
0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Ecuador

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	8.39	kg/capita	47.9	●	↑	143.35 Gg 2018
Spillover SO ₂ emissions	2.56	kg/capita	65.0	●	↗	41.49 Gg 2015
Domestic NO _x emissions	16.04	kg/capita	77.2	●	→	273.98 Gg 2018
Spillover NO _x emissions	2.61	kg/capita	62.4	●	→	42.28 Gg 2015
Domestic black carbon emissions	0.37	kg/capita	75.6	●	↗	6.28 Gg 2018
Spillover black carbon emissions	0.10	kg/capita	64.5	●	↗	1.63 Gg 2015
GHG Emissions						
Domestic GHG emissions	4.53	t CO ₂ e/capita	68.3	●	↗	78.65 Tg 2019
Spillover GHG emissions	2.02	t CO ₂ e/capita	55.1	●	→	34.45 Tg 2018
CO ₂ emissions embodied in fossil fuel exports	3.30	t CO ₂ e/capita	12.7	●	●	58.17 Tg 2020
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	29.73	%	72.2	●	↓	29.73 % 2020
Unprotected freshwater biodiversity sites	59.45	%	42.9	●	↓	59.45 % 2020
Domestic land use related biodiversity loss	3.75 × 10 ⁻¹¹	global PDF/capita	50.1	●	→	6.41 × 10 ⁻⁴ global PDF 2018
Spillover land use related biodiversity loss	2.60 × 10 ⁻¹²	global PDF/capita	87.5	●	↓	4.43 × 10 ⁻⁵ global PDF 2018
Domestic freshwater biodiversity threats	2.13	spp./million	13.7	●	●	36.35 species 2018
Spillover freshwater biodiversity threats	0.02	spp./million	61.1	●	●	0.41 species 2018
Domestic deforestation	0.21	%	84.3	●	↓	4.03 × 10 ⁴ hectares 2020
Spillover deforestation	5.21 × 10 ⁻⁴	ha/capita	94.5	●	↓	8.90 × 10 ³ hectares 2018
Red List Index of species survival	0.67	scale 0 to 1	3.0	●	↓	0.67 scale 0 to 1 2021
Biodiversity Habitat Index	0.50	scale 0 to 1	30.1	●	●	0.50 scale 0 to 1 2020
Domestic export of endangered terrestrial animals	5.76 × 10 ⁻⁶	WOE/million	99.9	●	●	1.00 × 10 ² WOE 2019
Spillover endangered terrestrial animals	0.00	WOE/capita	100.0	●	●	0.00 WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	7.60 × 10 ⁻⁶	WOE/million	99.7	●	●	1.32 × 10 ² WOE 2019
Spillover endangered marine animals	0.00	WOE/capita	100.0	●	●	0.00 WOE 2019
Unprotected marine biodiversity sites	70.31	%	30.4	●	↓	70.31 % 2020
Domestic marine biodiversity threats	1.62	spp./million	23.3	●	●	27.62 species 2018
Spillover marine biodiversity threats	0.03	spp./million	48.1	●	●	0.44 species 2018
Fish caught from overexploited or collapsed stocks	29.00	%	53.7	●	↓	29.00 % 2018
Fish caught by trawling	0.00	%	100.0	●	●	0.00 % 2018
Domestic vulnerable fisheries catch	20.54	tonnes/capita	28.7	●	↑	0.35 Tg 2018
Spillover vulnerable fisheries catch	5.52	tonnes/capita	44.1	●	→	0.09 tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	1.00	scale 0 to 1.4	14.2	●	→	1.00 scale 0 to 1.4 2015
Domestic nitrogen surplus	13.04	kg/capita	63.8	●	→	211.48 Gg 2015
Spillover nitrogen surplus	1.62	kg/capita	50.8	●	↓	26.26 Tg 2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	●	●	NA kt NA
Spillover phosphorus fertilizer	1.19	g/capita	64.0	●	↓	20.26 kt 2018
Water Cycle						
Domestic scarce water consumption	20.87	m ³ H ₂ O-eq./capita	28.1	●	↓	356.47 Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	6.73	m ³ H ₂ O-eq./capita	92.6	●	↑	114.95 Mm ³ H ₂ O-eq. 2018
Domestic water stress	0.11	ML H ₂ O-eq./capita	65.0	●	↓	1.86 Bm ³ H ₂ O-eq. 2018
Spillover water stress	0.34	m ³ H ₂ O-eq./capita	85.9	●	↗	5.86 Mm ³ H ₂ O-eq. 2018

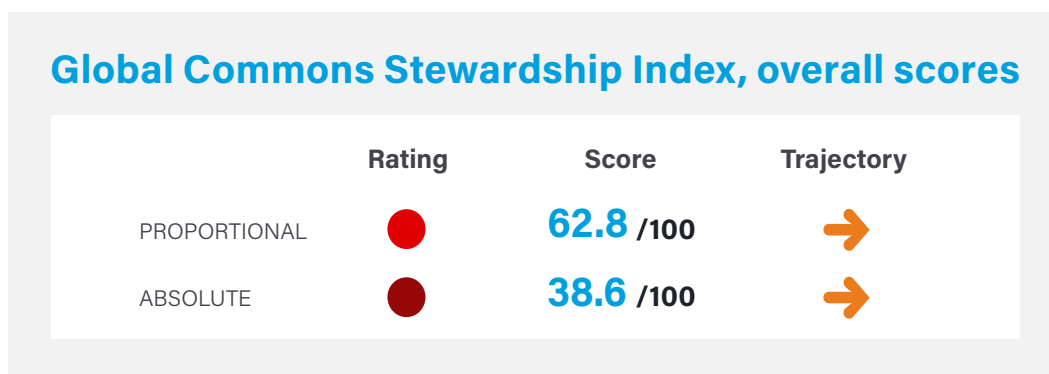
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Egypt

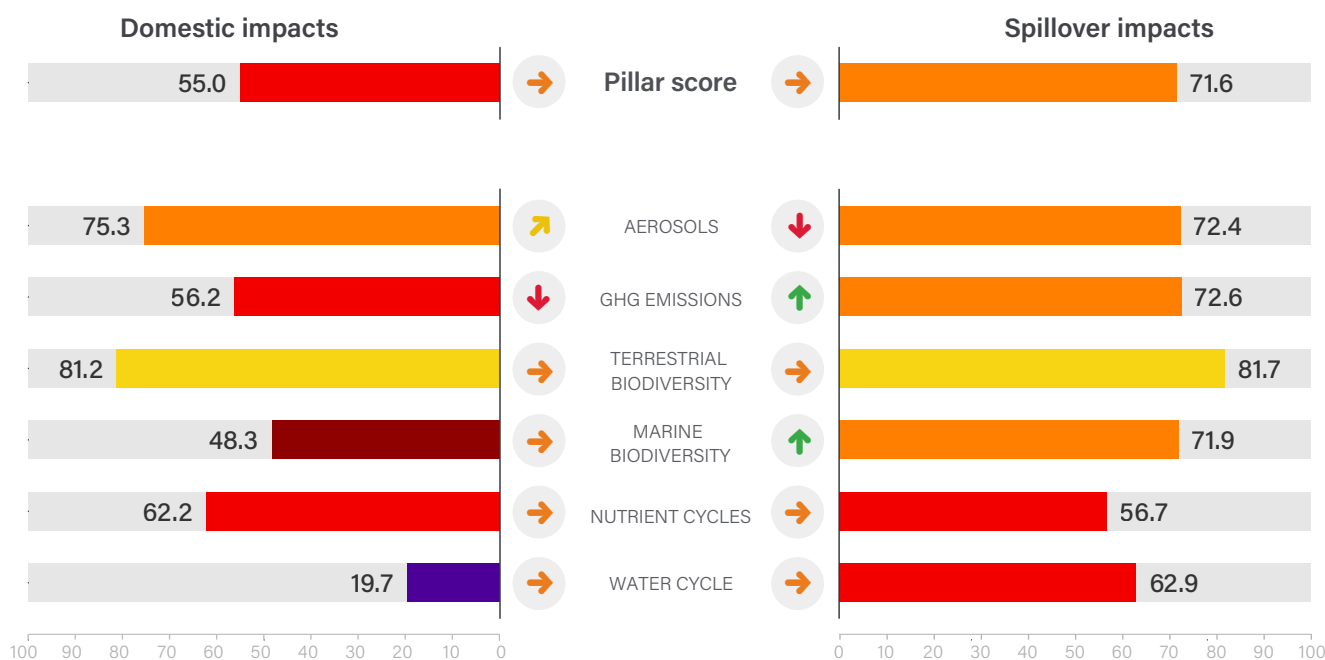
Middle East and North Africa

Land area	995,450 sq. km	Population	102.3 million
GDP (PPP, constant 2017 US\$, billions)	\$1,223.0	GDP per capita	\$11,951
Human Development Index (HDI)	0.731	HDI category	High



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

■	95–100	None or limited
■	90–95	Low
■	80–90	Medium-low
■	70–80	Medium-high
■	50–70	High
■	30–50	Very high
■	0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
➔	Insufficient progress toward threshold
↓	Headed in wrong direction

Egypt

Performance by Indicator

Indicator	Proportional		Score	Absolute		Year
	Value	Units		Value	Units	
Aerosols						
Domestic SO ₂ emissions	718	kg/capita	51.5	●	↑	706.26 Gg 2018
Spillover SO ₂ emissions	1.78	kg/capita	74.9	●	↓	164.94 Gg 2015
Domestic NO _x emissions	8.89	kg/capita	91.8	●	↓	875.03 Gg 2018
Spillover NO _x emissions	1.95	kg/capita	70.1	●	↓	180.54 Gg 2015
Domestic black carbon emissions	0.20	kg/capita	90.4	●	↑	20.01 Gg 2018
Spillover black carbon emissions	0.08	kg/capita	72.3	●	↓	7.00 Gg 2015
GHG Emissions						
Domestic GHG emissions	3.98	t CO ₂ e/capita	73.3	●	↓	399.70 Tg 2019
Spillover GHG emissions	1.08	t CO ₂ e/capita	72.6	●	↑	106.29 Tg 2018
CO ₂ emissions embodied in fossil fuel exports	0.21	t CO ₂ e/capita	25.4	●	●	21.13 Tg 2020
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	38.37	%	63.5	●	↓	38.37 % 2020
Unprotected freshwater biodiversity sites	28.49	%	74.9	●	↓	28.49 % 2020
Domestic land use related biodiversity loss	2.88 × 10 ⁻¹⁴	global PDF/capita	100.0	●	↗	2.84 × 10 ⁻⁶ global PDF 2018
Spillover land use related biodiversity loss	3.24 × 10 ⁻¹²	global PDF/capita	83.6	●	→	3.19 × 10 ⁻⁴ global PDF 2018
Domestic freshwater biodiversity threats	0.06	spp./million	61.6	●	●	6.24 species 2018
Spillover freshwater biodiversity threats	0.02	spp./million	67.0	●	●	1.65 species 2018
Domestic deforestation	0.01	%	99.5	●	↓	1.04 × 10 hectares 2020
Spillover deforestation	1.55 × 10 ⁻³	ha/capita	79.4	●	↓	1.52 × 10 ⁵ hectares 2018
Red List Index of species survival	0.91	scale 0 to 1	76.0	●	↓	0.91 scale 0 to 1 2021
Biodiversity Habitat Index	0.63	scale 0 to 1	49.9	●	●	0.63 scale 0 to 1 2020
Domestic export of endangered terrestrial animals	9.98 × 10 ⁻⁶	WOE/million	99.9	●	●	1.00 × 10 ³ WOE 2019
Spillover endangered terrestrial animals	2.11 × 10 ⁻⁶	WOE/capita	100.0	●	●	2.11 × 10 ² WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	8.97 × 10 ⁻⁶	WOE/million	99.7	●	●	9.00 × 10 ² WOE 2019
Spillover endangered marine animals	1.95 × 10 ⁻⁶	WOE/capita	99.9	●	●	1.95 × 10 ² WOE 2019
Unprotected marine biodiversity sites	43.01	%	57.4	●	↓	43.01 % 2020
Domestic marine biodiversity threats	0.25	spp./million	49.3	●	●	24.37 species 2018
Spillover marine biodiversity threats	0.01	spp./million	59.6	●	●	1.02 species 2018
Fish caught from overexploited or collapsed stocks	36.75	%	41.3	●	↓	36.75 % 2018
Fish caught by trawling	41.53	%	32.1	●	→	41.53 % 2018
Domestic vulnerable fisheries catch	2.28	tonnes/capita	57.6	●	↗	0.22 Tg 2018
Spillover vulnerable fisheries catch	1.86	tonnes/capita	62.3	●	↑	0.18 tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.64	scale 0 to 1.4	45.5	●	↓	0.64 scale 0 to 1.4 2015
Domestic nitrogen surplus	10.24	kg/capita	71.9	●	↓	946.88 Gg 2015
Spillover nitrogen surplus	0.52	kg/capita	72.5	●	↗	47.76 Tg 2015
Domestic phosphorus fertilizer	2.26	kg/capita	70.6	●	↑	222.80 kt 2018
Spillover phosphorus fertilizer	2.24	g/capita	44.3	●	↓	220.23 kt 2018
Water Cycle						
Domestic scarce water consumption	6.32	m ³ H ₂ O-eq./capita	41.5	●	↗	621.87 Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	26.27	m ³ H ₂ O-eq./capita	57.2	●	↓	2,585.48 Mm ³ H ₂ O-eq. 2018
Domestic water stress	42.99	ML H ₂ O-eq./capita	1.0	●	→	4,231.14 Bm ³ H ₂ O-eq. 2018
Spillover water stress	0.65	m ³ H ₂ O-eq./capita	69.3	●	↗	64.10 Mm ³ H ₂ O-eq. 2018

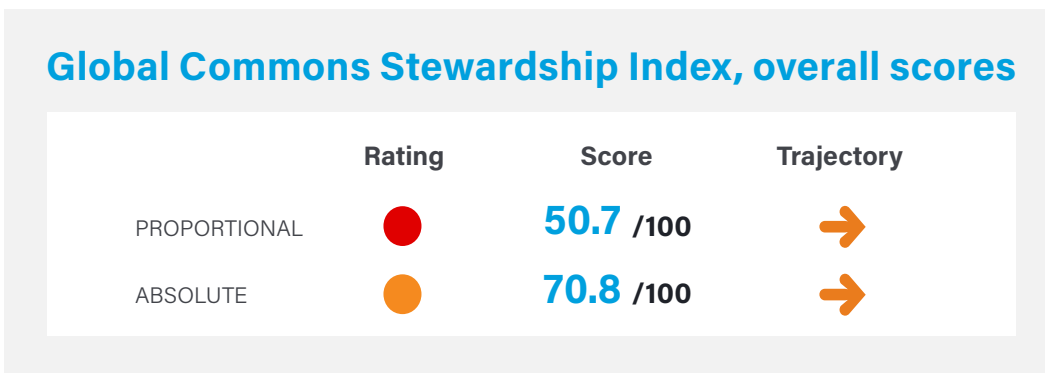
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

El Salvador

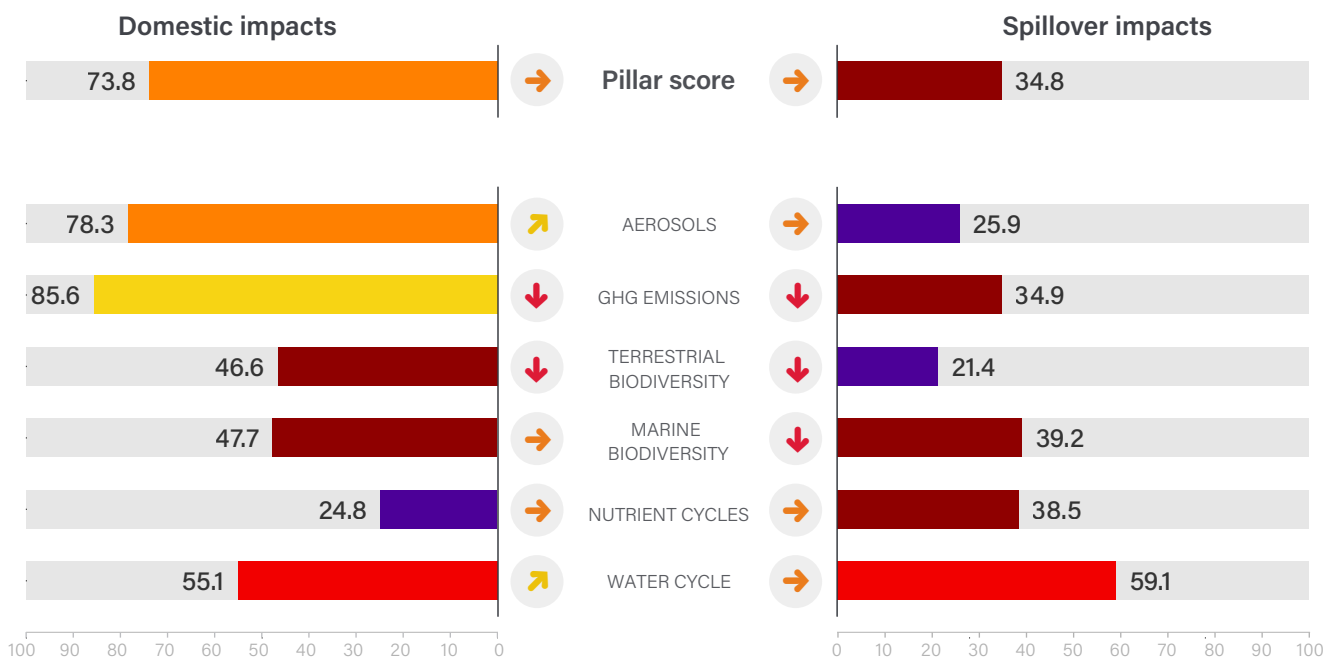
Latin America and Caribbean

Land area	20,720 sq. km	Population	6.5 million
GDP (PPP, constant 2017 US\$, billions)	\$52.3	GDP per capita	\$8,057
Human Development Index (HDI)	0.675	HDI category	Medium



Impacts by pillar and sub-pillar

Proportional scores and trajectories



The Global Commons Stewardship Index

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Dashboard categories

Negative impacts on the Global Commons

■	95–100	None or limited
■	90–95	Low
■	80–90	Medium-low
■	70–80	Medium-high
■	50–70	High
■	30–50	Very high
■	0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

El Salvador

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	5.07	kg/capita	59.5	● ↑	32.53	Gg	2018
Spillover SO ₂ emissions	13.15	kg/capita	19.8	● ↓	83.19	Gg	2015
Domestic NO _x emissions	8.77	kg/capita	92.1	● ↑	56.32	Gg	2018
Spillover NO _x emissions	15.92	kg/capita	14.4	● ↓	100.69	Gg	2015
Domestic black carbon emissions	0.23	kg/capita	87.7	● ↗	1.50	Gg	2018
Spillover black carbon emissions	0.11	kg/capita	60.8	● ↗	0.73	Gg	2015
GHG Emissions							
Domestic GHG emissions	2.68	t CO ₂ e/capita	88.6	● ↓	17.30	Tg	2019
Spillover GHG emissions	4.15	t CO ₂ e/capita	34.9	● ↓	26.62	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	0.00	t CO ₂ e/capita	77.0	● ●	0.00	Tg	2019
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	28.05	%	73.9	● ↓	28.05	%	2020
Unprotected freshwater biodiversity sites	97.73	%	3.3	● ↓	97.73	%	2020
Domestic land use related biodiversity loss	2.04 × 10 ⁻¹¹	global PDF/capita	72.9	● →	1.31 × 10 ⁻⁴	global PDF	2018
Spillover land use related biodiversity loss	1.84 × 10 ⁻¹¹	global PDF/capita	1.0	● →	1.18 × 10 ⁻⁴	global PDF	2018
Domestic freshwater biodiversity threats	0.20	spp./million	46.2	● ●	1.28	species	2018
Spillover freshwater biodiversity threats	0.04	spp./million	54.0	● ●	0.23	species	2018
Domestic deforestation	0.26	%	80.7	● ↓	2.37 × 10 ³	hectares	2020
Spillover deforestation	4.25 × 10 ⁻³	ha/capita	39.7	● ↓	2.73 × 10 ⁴	hectares	2018
Red List Index of species survival	0.80	scale 0 to 1	43.4	● ↓	0.80	scale 0 to 1	2021
Biodiversity Habitat Index	0.37	scale 0 to 1	12.0	● ●	0.37	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	0.00	WOE/million	100.0	● ●	0.00	WOE	2019
Spillover endangered terrestrial animals	2.34 × 10 ⁻⁴	WOE/capita	97.3	● ●	1.51 × 10 ³	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE	2019
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE	2019
Unprotected marine biodiversity sites	46.56	%	53.9	● ↓	46.56	%	2020
Domestic marine biodiversity threats	0.37	spp./million	43.7	● ●	2.37	species	2018
Spillover marine biodiversity threats	0.19	spp./million	22.4	● ●	1.22	species	2018
Fish caught from overexploited or collapsed stocks	38.50	%	38.5	● ↑	38.50	%	2018
Fish caught by trawling	28.56	%	53.4	● ↓	28.56	%	2018
Domestic vulnerable fisheries catch	7.46	tonnes/capita	42.0	● →	0.05	Tg	2018
Spillover vulnerable fisheries catch	15.59	tonnes/capita	26.8	● ↓	0.10	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	1.01	scale 0 to 1.4	13.1	● ↓	1.01	scale 0 to 1.4	2015
Domestic nitrogen surplus	10.63	kg/capita	70.8	● →	67.21	Gg	2015
Spillover nitrogen surplus	3.34	kg/capita	37.1	● →	21.13	Tg	2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt	NA
Spillover phosphorus fertilizer	2.57	g/capita	40.0	● →	16.52	kt	2018
Water Cycle							
Domestic scarce water consumption	3.39	m ³ H ₂ O-eq./capita	48.5	● ↗	21.79	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	5.55	m ³ H ₂ O-eq./capita	97.6	● →	19.17	Mm ³ H ₂ O-eq.	2018
Domestic water stress	0.01	ML H ₂ O-eq./capita	91.4	● ↗	0.09	Bm ³ H ₂ O-eq.	2018
Spillover water stress	0.20	m ³ H ₂ O-eq./capita	100.0	● →	0.68	Mm ³ H ₂ O-eq.	2018

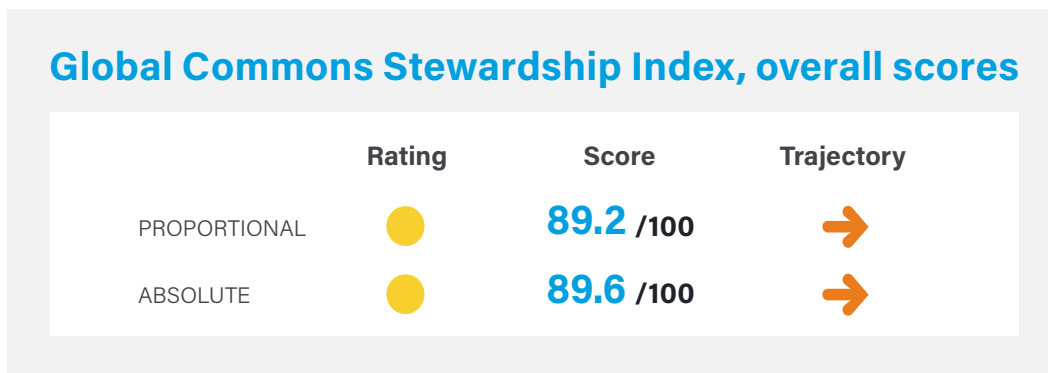
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Eritrea

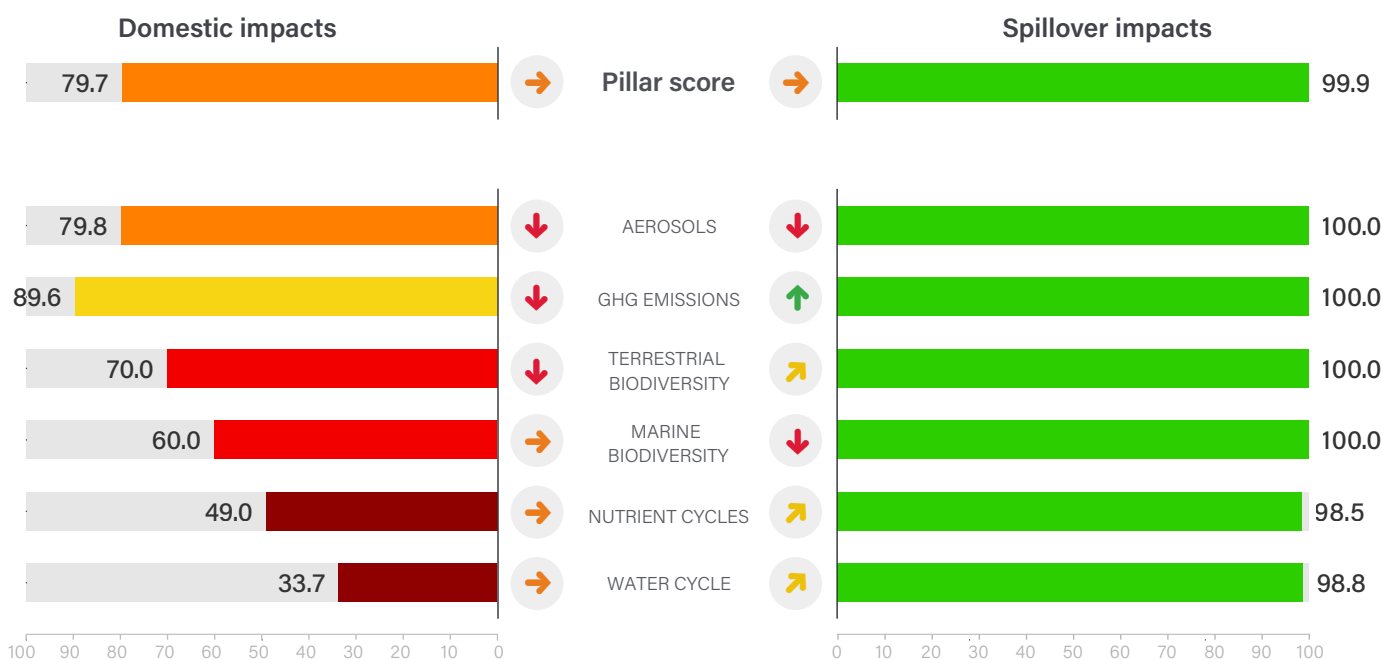
Africa

Land area	101,000 sq. km	Population	3.5 million
GDP (PPP, constant 2017 US\$, billions)	\$10.7	GDP per capita	\$3,004
Human Development Index (HDI)	0.492	HDI category	Low



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

■	95–100	None or limited
■	90–95	Low
■	80–90	Medium-low
■	70–80	Medium-high
■	50–70	High
■	30–50	Very high
■	0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Eritrea

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	2.24	kg/capita	78.3	●	↓	7.72 Gg 2018
Spillover SO ₂ emissions	0.24	kg/capita	100.0	●	↓	0.81 Gg 2015
Domestic NO _x emissions	3.76	kg/capita	100.0	●	↓	12.99 Gg 2018
Spillover NO _x emissions	0.25	kg/capita	100.0	●	↓	0.83 Gg 2015
Domestic black carbon emissions	0.49	kg/capita	64.9	●	↓	1.68 Gg 2018
Spillover black carbon emissions	0.01	kg/capita	100.0	●	↓	0.03 Gg 2015
GHG Emissions						
Domestic GHG emissions	2.61	t CO ₂ e/capita	89.6	●	↓	9.14 Tg 2019
Spillover GHG emissions	0.12	t CO ₂ e/capita	100.0	●	↑	0.42 Tg 2018
CO ₂ emissions embodied in fossil fuel exports	NA	t CO ₂ e/capita	NA	●	●	NA Tg NA
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	13.34	%	88.8	●	↓	13.34 % 2020
Unprotected freshwater biodiversity sites	0.03	%	100.0	●	↓	0.03 % 2020
Domestic land use related biodiversity loss	3.19 × 10 ⁻¹²	global PDF/capita	95.8	●	→	1.10 × 10 ⁻⁵ global PDF 2018
Spillover land use related biodiversity loss	2.70 × 10 ⁻¹³	global PDF/capita	100.0	●	↓	9.31 × 10 ⁻⁷ global PDF 2018
Domestic freshwater biodiversity threats	0.02	spp./million	74.4	●	●	0.08 species 2018
Spillover freshwater biodiversity threats	0.00	spp./million	100.0	●	●	0.01 species 2018
Domestic deforestation	NA	%	NA	●	●	NA hectares NA
Spillover deforestation	3.75 × 10 ⁻⁵	ha/capita	100.0	●	↑	1.29 × 10 ² hectares 2018
Red List Index of species survival	0.89	scale 0 to 1	69.8	●	↓	0.89 scale 0 to 1 2021
Biodiversity Habitat Index	0.35	scale 0 to 1	8.9	●	●	0.35 scale 0 to 1 2020
Domestic export of endangered terrestrial animals	0.00	WOE/million	100.0	●	●	0.00 WOE 2019
Spillover endangered terrestrial animals	0.00	WOE/capita	100.0	●	●	0.00 WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	0.00	WOE/million	100.0	●	●	0.00 WOE 2019
Spillover endangered marine animals	0.00	WOE/capita	100.0	●	●	0.00 WOE 2019
Unprotected marine biodiversity sites	0.00	%	100.0	●	●	0.00 % 2020
Domestic marine biodiversity threats	2.85	spp./million	15.4	●	●	9.84 species 2018
Spillover marine biodiversity threats	0.00	spp./million	100.0	●	●	0.00 species 2018
Fish caught from overexploited or collapsed stocks	12.57	%	80.0	●	↓	12.57 % 2018
Fish caught by trawling	0.00	%	100.0	●	●	0.00 % 2018
Domestic vulnerable fisheries catch	2.73	tonnes/capita	55.2	●	↗	0.01 Tg 2018
Spillover vulnerable fisheries catch	0.19	tonnes/capita	100.0	●	↓	0.00 tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	1.03	scale 0 to 1.4	11.2	●	↓	1.03 scale 0 to 1.4 2015
Domestic nitrogen surplus	1.86	kg/capita	96.0	●	↗	6.94 Gg 2011
Spillover nitrogen surplus	0.14	kg/capita	97.1	●	↑	0.42 Tg 2011
Domestic phosphorus fertilizer	NA	kg/capita	NA	●	●	NA kt NA
Spillover phosphorus fertilizer	0.36	g/capita	100.0	●	↓	1.23 kt 2018
Water Cycle						
Domestic scarce water consumption	14.26	m ³ H ₂ O-eq./capita	32.4	●	→	49.25 Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	50.07	m ³ H ₂ O-eq./capita	40.4	●	↓	2,343.15 Mm ³ H ₂ O-eq. 2018
Domestic water stress	0.80	ML H ₂ O-eq./capita	39.3	●	→	2.75 Bm ³ H ₂ O-eq. 2018
Spillover water stress	2.03	m ³ H ₂ O-eq./capita	39.9	●	↑	95.02 Mm ³ H ₂ O-eq. 2018

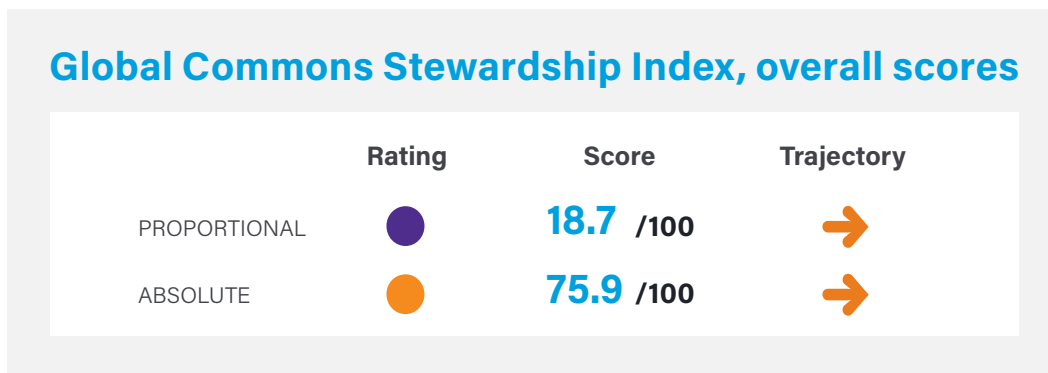
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Estonia

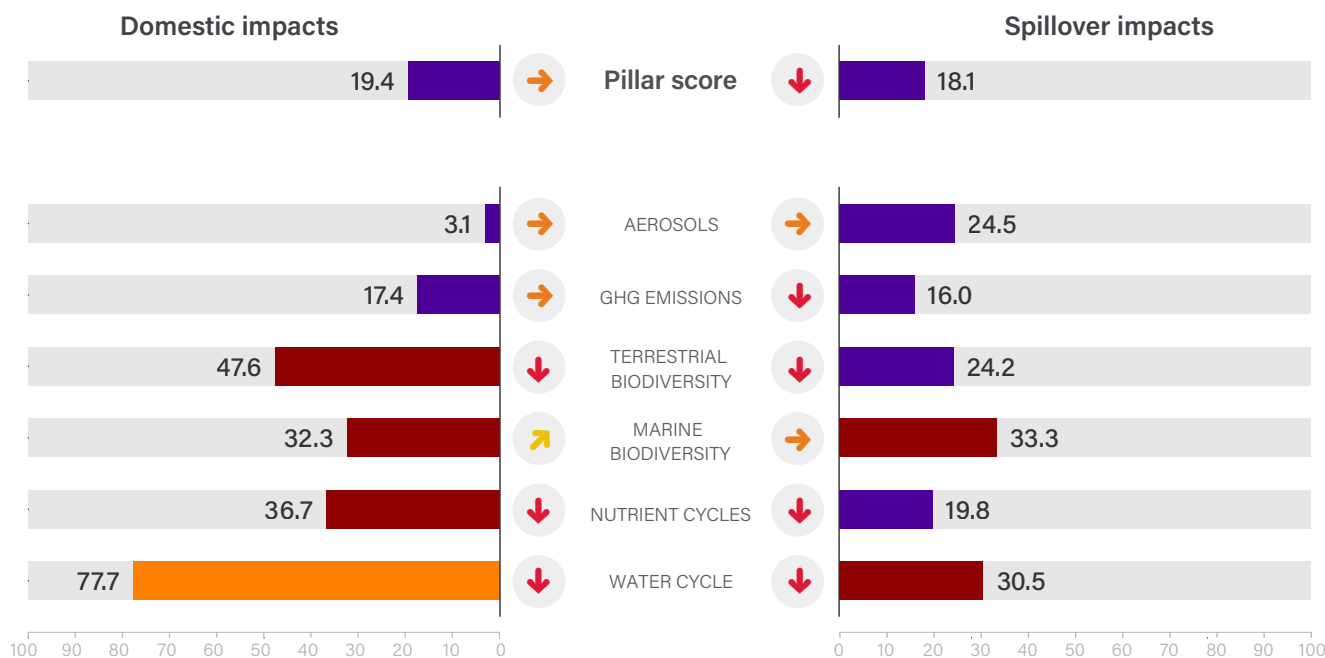
OECD Member

Land area	43,470 sq. km	Population	1.3 million
GDP (PPP, constant 2017 US\$, billions)	\$46.9	GDP per capita	\$35,215
Human Development Index (HDI)	0.890	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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	95–100	None or limited
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	70–80	Medium-high
	50–70	High
	30–50	Very high
	0–30	Extreme

Trajectories

Based on 5-year growth rates

	Projected to meet 2050 threshold
	Projected to meet 2030 threshold only
	Insufficient progress toward threshold
	Headed in wrong direction

Estonia

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	101.77	kg/capita	1.0		134.54	Gg	2018
Spillover SO ₂ emissions	9.98	kg/capita	27.5		13.12	Gg	2015
Domestic NO _x emissions	57.39	kg/capita	1.0		75.87	Gg	2018
Spillover NO _x emissions	12.67	kg/capita	20.5		16.67	Gg	2015
Domestic black carbon emissions	0.87	kg/capita	29.9		1.15	Gg	2018
Spillover black carbon emissions	0.40	kg/capita	26.2		0.53	Gg	2015
GHG Emissions							
Domestic GHG emissions	18.77	t CO ₂ e/capita	13.1		24.91	Tg	2019
Spillover GHG emissions	8.13	t CO ₂ e/capita	16.0		10.74	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	0.01	t CO ₂ e/capita	40.7		0.01	Tg	2020
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	94.84	%	6.2		94.84	%	2020
Unprotected freshwater biodiversity sites	92.90	%	8.3		92.90	%	2020
Domestic land use related biodiversity loss	1.91 × 10 ⁻¹²	global PDF/capita	97.5		2.53 × 10 ⁻⁶	global PDF	2018
Spillover land use related biodiversity loss	7.76 × 10 ⁻¹²	global PDF/capita	56.5		1.03 × 10 ⁻⁵	global PDF	2018
Domestic freshwater biodiversity threats	0.05	spp./million	66.0		0.06	species	2018
Spillover freshwater biodiversity threats	0.02	spp./million	60.6		0.03	species	2018
Domestic deforestation	1.49	%	1.0		4.07 × 10 ⁴	hectares	2020
Spillover deforestation	1.26 × 10 ⁻²	ha/capita	1.0		1.67 × 10 ⁴	hectares	2018
Red List Index of species survival	0.99	scale 0 to 1	99.1		0.99	scale 0 to 1	2021
Biodiversity Habitat Index	0.49	scale 0 to 1	29.3		0.49	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	3.01 × 10 ⁻⁶	WOE/million	100.0		4.00	WOE	2019
Spillover endangered terrestrial animals	6.78 × 10 ⁻⁶	WOE/capita	99.9		9.00	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	0.00	WOE/million	100.0		0.00	WOE	2019
Spillover endangered marine animals	7.54 × 10 ⁻⁷	WOE/capita	100.0		1.00	WOE	2019
Unprotected marine biodiversity sites	97.68	%	3.3		97.68	%	2020
Domestic marine biodiversity threats	0.02	spp./million	86.5		0.02	species	2018
Spillover marine biodiversity threats	0.07	spp./million	35.1		0.09	species	2018
Fish caught from overexploited or collapsed stocks	1.60	%	97.5		1.60	%	2018
Fish caught by trawling	5.29	%	91.6		5.29	%	2018
Domestic vulnerable fisheries catch	83.72	tonnes/capita	10.2		0.11	Tg	2018
Spillover vulnerable fisheries catch	41.39	tonnes/capita	10.5		0.05	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	0.62	scale 0 to 1.4	47.2		0.62	scale 0 to 1.4	2015
Domestic nitrogen surplus	26.40	kg/capita	25.3		34.72	Gg	2015
Spillover nitrogen surplus	8.21	kg/capita	20.0		10.80	Tg	2015
Domestic phosphorus fertilizer	7.04	kg/capita	40.2		9.30	kt	2018
Spillover phosphorus fertilizer	4.97	g/capita	19.6		6.57	kt	2018
Water Cycle							
Domestic scarce water consumption	0.28	m ³ H ₂ O-eq./capita	76.6		0.37	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	93.91	m ³ H ₂ O-eq./capita	24.0		124.14	Mm ³ H ₂ O-eq.	2018
Domestic water stress	0.03	ML H ₂ O-eq./capita	82.1		0.04	Bm ³ H ₂ O-eq.	2018
Spillover water stress	2.11	m ³ H ₂ O-eq./capita	38.9		2.79	Mm ³ H ₂ O-eq.	2018

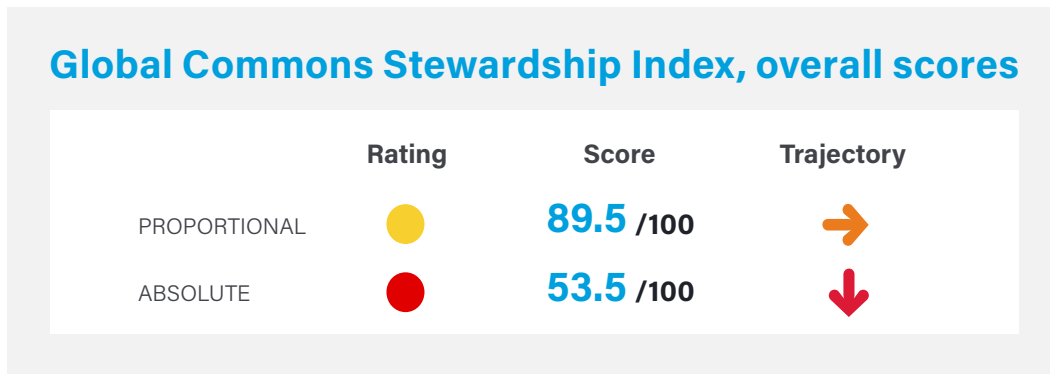
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Ethiopia

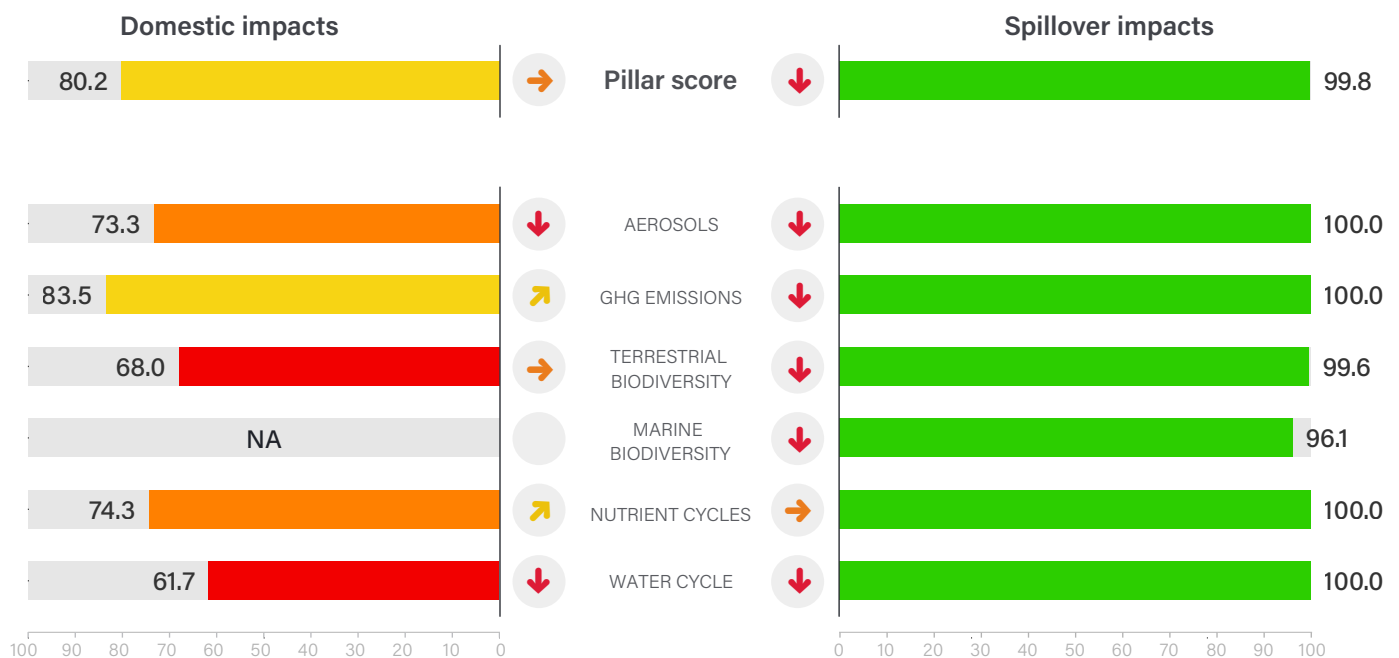
Africa

Land area	1,129,300 sq. km	Population	115.0 million
GDP (PPP, constant 2017 US\$, billions)	\$264.1	GDP per capita	\$2,297
Human Development Index (HDI)	0.498	HDI category	Low



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

95–100	None or limited
90–95	Low
80–90	Medium-low
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0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Ethiopia

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	0.87	kg/capita	100.0	● ↓	95.07	Gg 2018
Spillover SO ₂ emissions	0.53	kg/capita	100.0	● ↓	53.36	Gg 2015
Domestic NO _x emissions	2.13	kg/capita	100.0	● ↓	232.72	Gg 2018
Spillover NO _x emissions	0.44	kg/capita	100.0	● ↓	44.40	Gg 2015
Domestic black carbon emissions	0.77	kg/capita	39.3	● →	83.99	Gg 2018
Spillover black carbon emissions	0.02	kg/capita	100.0	● ↓	1.89	Gg 2015
GHG Emissions						
Domestic GHG emissions	3.06	t CO ₂ e/capita	83.5	● ↗	343.38	Tg 2019
Spillover GHG emissions	0.20	t CO ₂ e/capita	100.0	● ↓	22.29	Tg 2018
CO ₂ emissions embodied in fossil fuel exports	NA	t CO ₂ e/capita	NA	● ●	NA	Tg NA
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	18.10	%	84.0	● ↓	18.10	% 2020
Unprotected freshwater biodiversity sites	16.17	%	87.6	● ↓	16.17	% 2020
Domestic land use related biodiversity loss	2.38 × 10 ⁻¹²	global PDF/capita	96.9	● →	2.60 × 10 ⁻⁴	global PDF 2018
Spillover land use related biodiversity loss	1.89 × 10 ⁻¹³	global PDF/capita	100.0	● ↓	2.06 × 10 ⁻⁵	global PDF 2018
Domestic freshwater biodiversity threats	0.10	spp./million	55.4	● ●	10.97	species 2018
Spillover freshwater biodiversity threats	0.00	spp./million	98.4	● ●	0.27	species 2018
Domestic deforestation	0.16	%	87.9	● ↓	1.99 × 10 ⁴	hectares 2020
Spillover deforestation	4.32 × 10 ⁻⁵	ha/capita	100.0	● ↓	4.72 × 10 ³	hectares 2018
Red List Index of species survival	0.85	scale 0 to 1	57.0	● ↓	0.85	scale 0 to 1 2021
Biodiversity Habitat Index	0.40	scale 0 to 1	16.0	● ●	0.40	scale 0 to 1 2020
Domestic export of endangered terrestrial animals	1.17 × 10 ⁻⁶	WOE/million	100.0	● ●	1.31 × 10 ²	WOE 2019
Spillover endangered terrestrial animals	0.00	WOE/capita	100.0	● ●	0.00	WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	NA	WOE/million	NA	● ●	NA	WOE NA
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE 2019
Unprotected marine biodiversity sites	NA	%	NA	● ●	NA	% NA
Domestic marine biodiversity threats	NA	spp./million	NA	● ●	NA	species NA
Spillover marine biodiversity threats	0.00	spp./million	88.8	● ●	0.10	species 2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	● ●	NA	% NA
Fish caught by trawling	NA	%	NA	● ●	NA	% NA
Domestic vulnerable fisheries catch	NA	tonnes/capita	NA	● ●	NA	Tg NA
Spillover vulnerable fisheries catch	0.11	tonnes/capita	100.0	● ↓	0.01	tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.66	scale 0 to 1.4	43.6	● →	0.66	scale 0 to 1.4 2015
Domestic nitrogen surplus	0.91	kg/capita	98.8	● ↑	91.53	Gg 2015
Spillover nitrogen surplus	0.06	kg/capita	100.0	● ↑	5.85	Tg 2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt NA
Spillover phosphorus fertilizer	0.23	g/capita	100.0	● ↓	25.04	kt 2018
Water Cycle						
Domestic scarce water consumption	0.66	m ³ H ₂ O-eq./capita	67.0	● ↓	71.64	Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	5.06	m ³ H ₂ O-eq./capita	100.0	● ↓	553.16	Mm ³ H ₂ O-eq. 2018
Domestic water stress	0.54	ML H ₂ O-eq./capita	44.4	● ↓	58.54	Bm ³ H ₂ O-eq. 2018
Spillover water stress	0.18	m ³ H ₂ O-eq./capita	100.0	● ↓	19.47	Mm ³ H ₂ O-eq. 2018

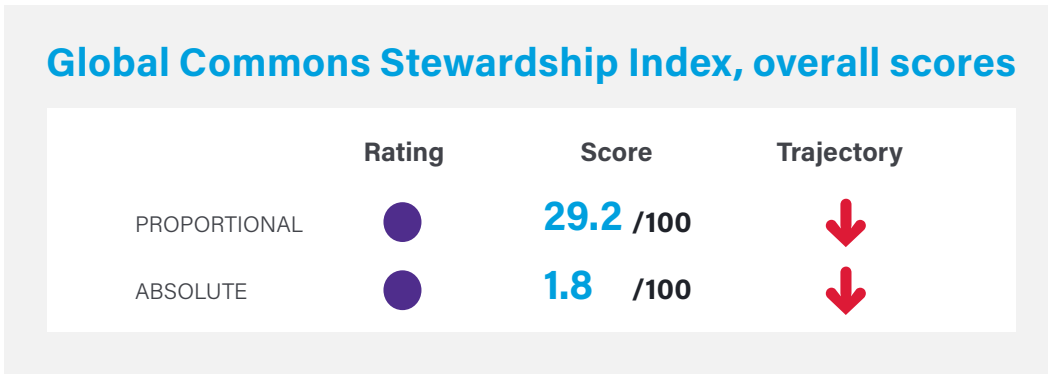
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European Union

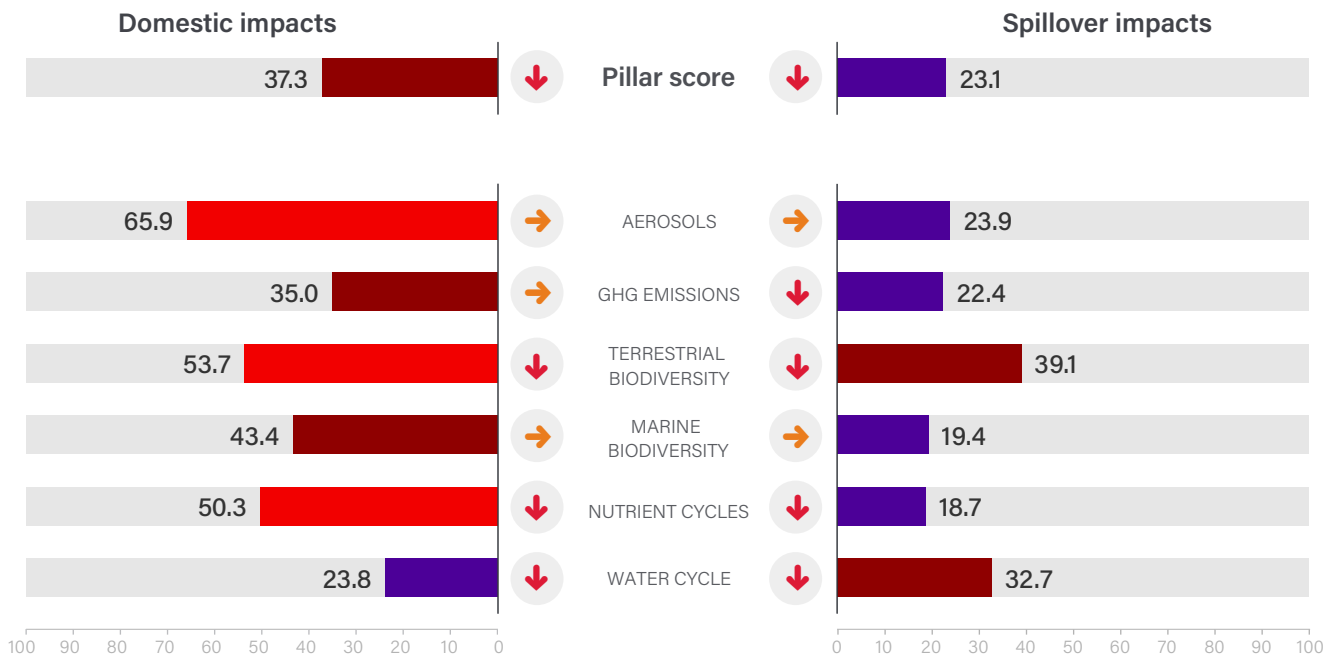
OECD Member

Land area	3,999,623 sq. km	Population	447.5 million
GDP (PPP, constant 2017 US\$, billions)	\$18,669.2	GDP per capita	\$41,721
Human Development Index (HDI)	0.903	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories



The Global Commons Stewardship Index

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Dashboard categories

Negative impacts on the Global Commons

95–100	None or limited
90–95	Low
80–90	Medium-low
70–80	Medium-high
50–70	High
30–50	Very high
0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

European Union

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	9.01	kg/capita	46.2	● →	4,027.67	Gg 2018
Spillover SO ₂ emissions	10.27	kg/capita	26.7	● →	4,567.02	Gg 2015
Domestic NO _x emissions	14.60	kg/capita	80.1	● ↓	6,526.88	Gg 2018
Spillover NO _x emissions	12.76	kg/capita	20.3	● →	5,674.37	Gg 2015
Domestic black carbon emissions	0.35	kg/capita	77.3	● ↓	155.74	Gg 2018
Spillover black carbon emissions	0.42	kg/capita	25.1	● →	185.32	Gg 2015
GHG Emissions						
Domestic GHG emissions	9.92	t CO ₂ e/capita	37.9	● →	4,435.63	Tg 2019
Spillover GHG emissions	6.48	t CO ₂ e/capita	22.4	● ↓	2,894.51	Tg 2018
CO ₂ emissions embodied in fossil fuel exports	0.12	t CO ₂ e/capita	27.7	● ●	54.90	Tg 2020
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	65.08	%	36.4	● ↓	65.08	% 2020
Unprotected freshwater biodiversity sites	59.39	%	43.0	● ↓	59.39	% 2020
Domestic land use related biodiversity loss	6.36 × 10 ⁻¹²	global PDF/capita	91.6	● →	2.84 × 10 ⁻³	global PDF 2018
Spillover land use related biodiversity loss	8.02 × 10 ⁻¹²	global PDF/capita	55.0	● ↓	3.59 × 10 ⁻³	global PDF 2018
Domestic freshwater biodiversity threats	0.89	spp./million	25.6	● ●	399.94	species 2018
Spillover freshwater biodiversity threats	0.44	spp./million	12.1	● ●	195.31	species 2018
Domestic deforestation	0.85	%	36.5	● ↓	1.33 × 10 ⁶	hectares 2020
Spillover deforestation	3.19 × 10 ⁻³	ha/capita	55.3	● ↓	1.43 × 10 ⁶	hectares 2018
Red List Index of species survival	0.84	scale 0 to 1	53.1	● ↓	0.84	scale 0 to 1 2021
Biodiversity Habitat Index	0.40	scale 0 to 1	16.7	● ●	0.40	scale 0 to 1 2020
Domestic export of endangered terrestrial animals	4.99 × 10 ⁻⁷	WOE/million	100.0	● ●	2.23 × 10 ²	WOE 2019
Spillover endangered terrestrial animals	3.16 × 10 ⁻³	WOE/capita	63.0	● ●	1.41 × 10 ⁶	WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	5.78 × 10 ⁻⁵	WOE/million	98.0	● ●	2.38 × 10 ⁴	WOE 2019
Spillover endangered marine animals	1.20 × 10 ⁻³	WOE/capita	23.5	● ●	5.35 × 10 ⁵	WOE 2019
Unprotected marine biodiversity sites	69.98	%	30.7	● ↓	69.98	% 2020
Domestic marine biodiversity threats	0.24	spp./million	49.9	● ●	106.20	species 2018
Spillover marine biodiversity threats	0.27	spp./million	17.7	● ●	122.50	species 2018
Fish caught from overexploited or collapsed stocks	34.12	%	45.5	● →	34.12	% 2018
Fish caught by trawling	28.17	%	54.0	● ↓	28.17	% 2018
Domestic vulnerable fisheries catch	14.77	tonnes/capita	33.0	● ↓	6.08	Tg 2018
Spillover vulnerable fisheries catch	27.01	tonnes/capita	17.6	● →	12.07	tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.57	scale 0 to 1.4	51.2	● ↓	0.57	scale 0 to 1.4 2015
Domestic nitrogen surplus	15.79	kg/capita	55.9	● ↓	7,019.17	Gg 2015
Spillover nitrogen surplus	11.23	kg/capita	14.1	● ↓	4,994.59	Tg 2015
Domestic phosphorus fertilizer	5.70	kg/capita	45.9	● ↓	2,539.49	kt 2018
Spillover phosphorus fertilizer	4.18	g/capita	25.0	● ↓	1,867.20	kt 2018
Water Cycle						
Domestic scarce water consumption	29.55	m ³ H ₂ O-eq./capita	24.2	● ↓	13,208.53	Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	66.75	m ³ H ₂ O-eq./capita	32.9	● ↓	29,833.81	Mm ³ H ₂ O-eq. 2018
Domestic water stress	3.00	ML H ₂ O-eq./capita	22.2	● ↓	1,340.53	Bm ³ H ₂ O-eq. 2018
Spillover water stress	2.70	m ³ H ₂ O-eq./capita	32.6	● ↓	1,204.70	Mm ³ H ₂ O-eq. 2018

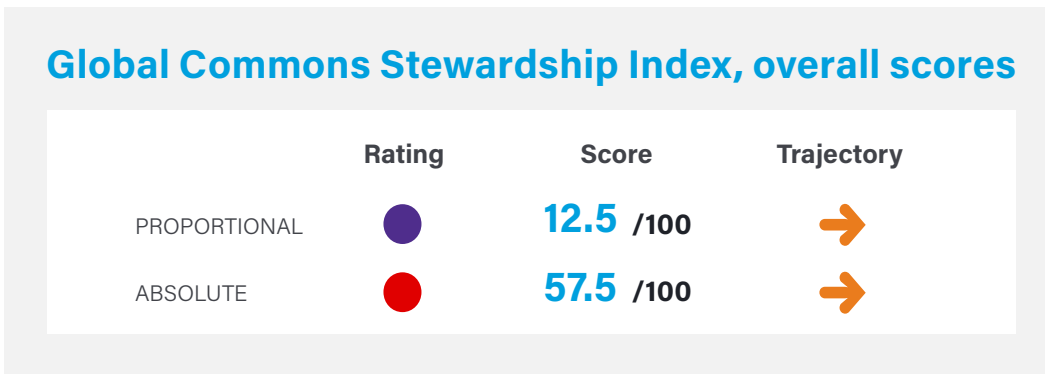
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Finland

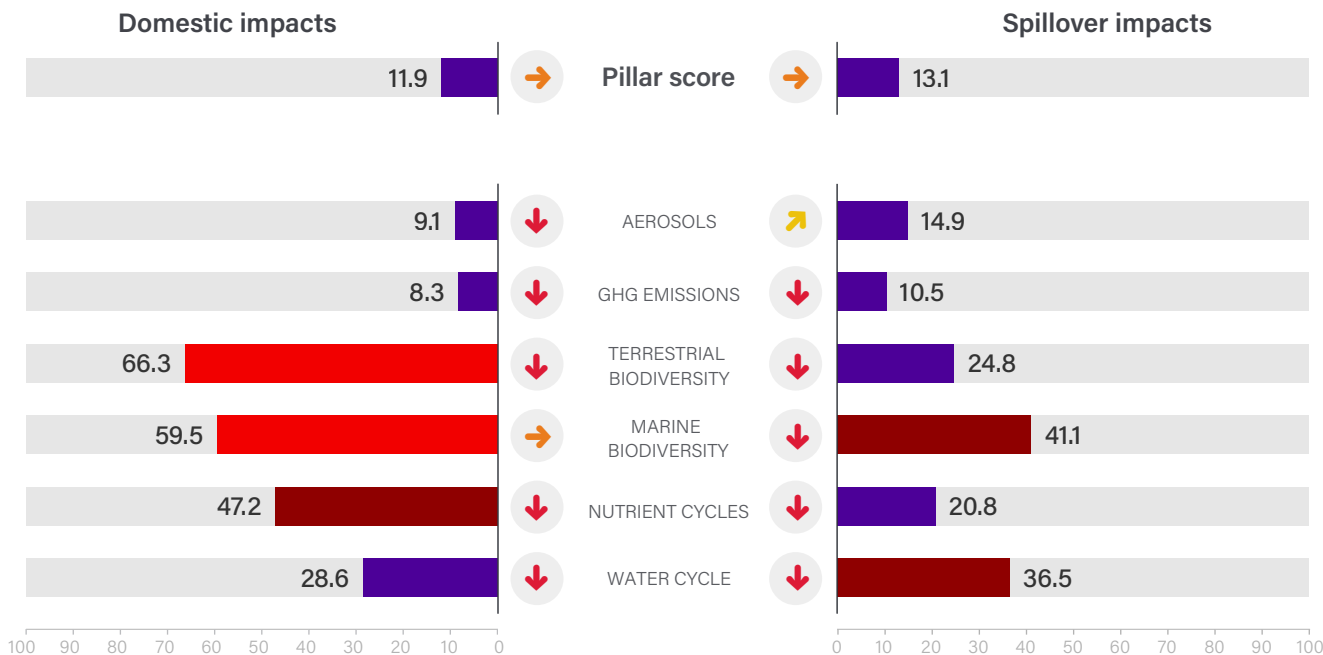
OECD Member

Land area	303,920 sq. km	Population	5.5 million
GDP (PPP, constant 2017 US\$, billions)	\$260.9	GDP per capita	\$47,167
Human Development Index (HDI)	0.940	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories

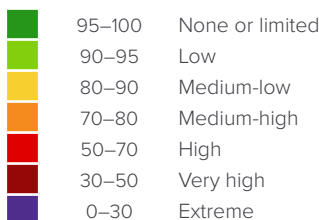


The Global Commons Stewardship Index

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Dashboard categories

Negative impacts on the Global Commons



Trajectories

Based on 5-year growth rates



Finland

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	32.97	kg/capita	16.4	● ↓	181.86	Gg 2018
Spillover SO ₂ emissions	13.44	kg/capita	19.2	● ↑	73.66	Gg 2015
Domestic NO _x emissions	30.99	kg/capita	46.6	● ↓	170.93	Gg 2018
Spillover NO _x emissions	18.96	kg/capita	9.8	● ↑	103.89	Gg 2015
Domestic black carbon emissions	1.36	kg/capita	1.0	● ↓	7.50	Gg 2018
Spillover black carbon emissions	0.54	kg/capita	17.7	● →	2.98	Gg 2015
GHG Emissions						
Domestic GHG emissions	23.57	t CO ₂ e/capita	4.3	● ↓	130.15	Tg 2019
Spillover GHG emissions	9.89	t CO ₂ e/capita	10.5	● ↓	54.57	Tg 2018
CO ₂ emissions embodied in fossil fuel exports	0.00	t CO ₂ e/capita	60.1	● ●	0.00	Tg 2020
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	71.70	%	29.7	● ↓	71.70	% 2020
Unprotected freshwater biodiversity sites	75.81	%	26.0	● ↓	75.81	% 2020
Domestic land use related biodiversity loss	1.06 × 10 ⁻¹²	global PDF/capita	98.6	● →	5.84 × 10 ⁻⁶	global PDF 2018
Spillover land use related biodiversity loss	7.89 × 10 ⁻¹²	global PDF/capita	55.8	● ↓	4.35 × 10 ⁻⁵	global PDF 2018
Domestic freshwater biodiversity threats	0.21	spp./million	45.5	● ●	1.16	species 2018
Spillover freshwater biodiversity threats	0.26	spp./million	20.6	● ●	1.46	species 2018
Domestic deforestation	118	%	11.7	● ↓	2.69 × 10 ⁵	hectares 2020
Spillover deforestation	6.70 × 10 ⁻³	ha/capita	3.9	● ↓	3.69 × 10 ⁴	hectares 2018
Red List Index of species survival	0.99	scale 0 to 1	100.0	● ↓	0.99	scale 0 to 1 2021
Biodiversity Habitat Index	0.61	scale 0 to 1	46.1	● ●	0.61	scale 0 to 1 2020
Domestic export of endangered terrestrial animals	0.00	WOE/million	100.0	● ●	0.00	WOE 2019
Spillover endangered terrestrial animals	1.20 × 10 ⁻³	WOE/capita	86.0	● ●	6.61 × 10 ³	WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE 2019
Spillover endangered marine animals	3.62 × 10 ⁻⁶	WOE/capita	99.8	● ●	2.00 × 10	WOE 2019
Unprotected marine biodiversity sites	60.67	%	39.9	● ↓	60.67	% 2020
Domestic marine biodiversity threats	0.04	spp./million	73.4	● ●	0.24	species 2018
Spillover marine biodiversity threats	0.07	spp./million	35.1	● ●	0.39	species 2018
Fish caught from overexploited or collapsed stocks	3.12	%	95.1	● ↗	3.12	% 2018
Fish caught by trawling	0.00	%	100.0	● ●	0.00	% 2018
Domestic vulnerable fisheries catch	30.67	tonnes/capita	23.4	● ↓	0.17	Tg 2018
Spillover vulnerable fisheries catch	23.59	tonnes/capita	19.9	● ↓	0.13	tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.63	scale 0 to 1.4	46.7	● ↓	0.63	scale 0 to 1.4 2015
Domestic nitrogen surplus	20.50	kg/capita	42.3	● ↓	112.32	Gg 2015
Spillover nitrogen surplus	10.76	kg/capita	14.9	● ↓	58.97	Tg 2015
Domestic phosphorus fertilizer	4.59	kg/capita	51.7	● →	25.32	kt 2018
Spillover phosphorus fertilizer	3.67	g/capita	29.0	● ↓	20.23	kt 2018
Water Cycle						
Domestic scarce water consumption	33.34	m ³ H ₂ O-eq./capita	22.9	● ↓	183.88	Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	65.61	m ³ H ₂ O-eq./capita	33.3	● ↓	361.88	Mm ³ H ₂ O-eq. 2018
Domestic water stress	0.07	ML H ₂ O-eq./capita	70.1	● ↓	0.41	Bm ³ H ₂ O-eq. 2018
Spillover water stress	2.02	m ³ H ₂ O-eq./capita	40.0	● ↓	11.15	Mm ³ H ₂ O-eq. 2018

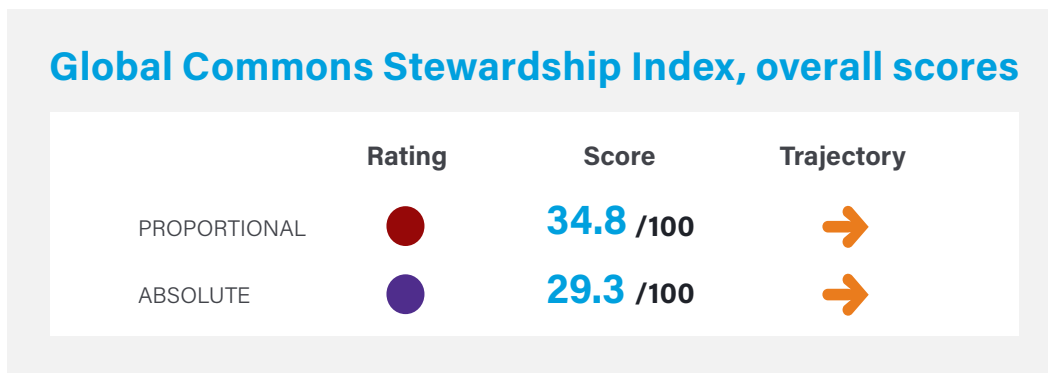
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

France

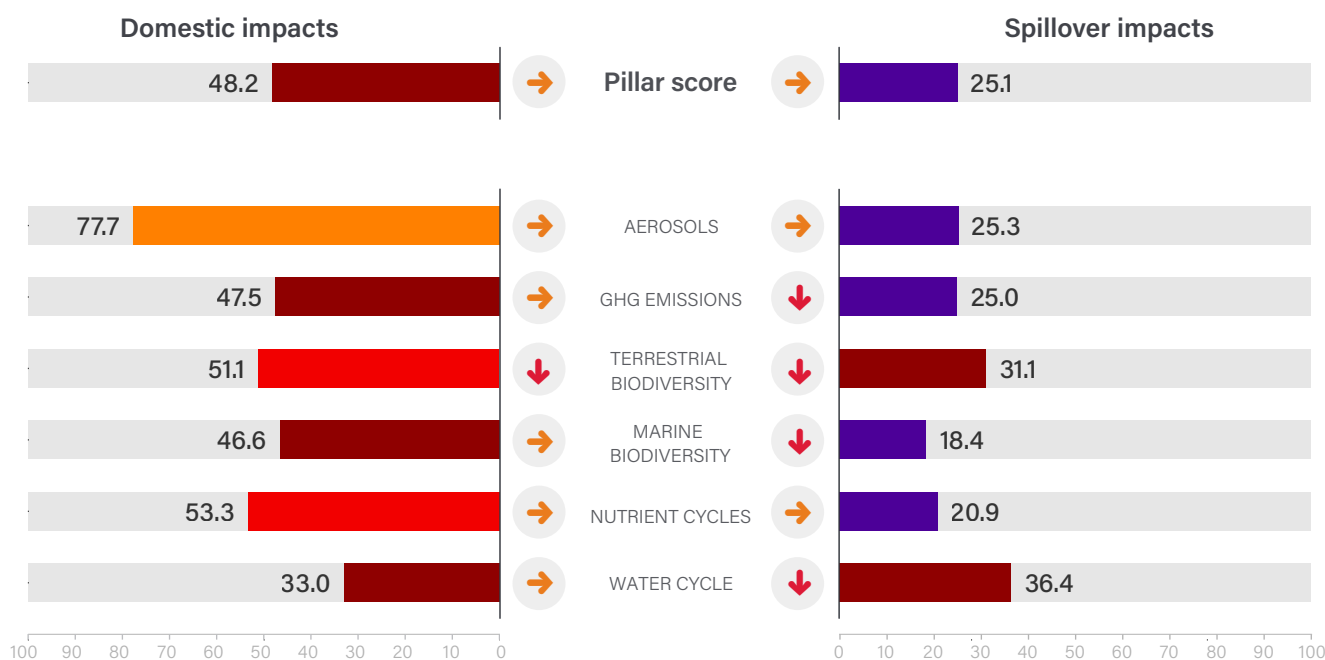
OECD Member

Land area	547,557 sq. km	Population	67.4 million
GDP (PPP, constant 2017 US\$, billions)	\$2,851.6	GDP per capita	\$42,289
Human Development Index (HDI)	0.903	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

	95–100	None or limited
	90–95	Low
	80–90	Medium-low
	70–80	Medium-high
	50–70	High
	30–50	Very high
	0–30	Extreme

Trajectories

Based on 5-year growth rates

	Projected to meet 2050 threshold
	Projected to meet 2030 threshold only
	Insufficient progress toward threshold
	Headed in wrong direction

France

Performance by Indicator

Indicator	Proportional		Score		Absolute		Year
	Value	Units			Value	Units	
Aerosols							
Domestic SO ₂ emissions	3.43	kg/capita	68.4	● ↓	230.56	Gg	2018
Spillover SO ₂ emissions	9.54	kg/capita	28.7	● →	635.21	Gg	2015
Domestic NO _x emissions	11.07	kg/capita	87.4	● →	743.24	Gg	2018
Spillover NO _x emissions	12.25	kg/capita	21.4	● →	815.81	Gg	2015
Domestic black carbon emissions	0.33	kg/capita	78.6	● →	22.43	Gg	2018
Spillover black carbon emissions	0.40	kg/capita	26.4	● →	26.49	Gg	2015
GHG Emissions							
Domestic GHG emissions	7.82	t CO ₂ e/capita	47.1	● →	526.07	Tg	2019
Spillover GHG emissions	5.90	t CO ₂ e/capita	25.0	● ↓	396.31	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	0.00	t CO ₂ e/capita	48.6	● ●	0.09	Tg	2020
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	80.95	%	20.3	● ↓	80.95	%	2020
Unprotected freshwater biodiversity sites	77.98	%	23.7	● ↓	77.98	%	2020
Domestic land use related biodiversity loss	4.76 × 10 ⁻¹²	global PDF/capita	93.7	● →	3.20 × 10 ⁻⁴	global PDF	2018
Spillover land use related biodiversity loss	9.46 × 10 ⁻¹²	global PDF/capita	46.4	● ↓	6.35 × 10 ⁻⁴	global PDF	2018
Domestic freshwater biodiversity threats	1.38	spp./million	19.6	● ●	89.72	species	2018
Spillover freshwater biodiversity threats	0.68	spp./million	4.7	● ●	44.14	species	2018
Domestic deforestation	0.42	%	68.2	● ↓	714 × 10 ⁴	hectares	2020
Spillover deforestation	2.62 × 10 ⁻³	ha/capita	63.6	● ↓	1.76 × 10 ⁵	hectares	2018
Red List Index of species survival	0.84	scale 0 to 1	53.2	● ↓	0.84	scale 0 to 1	2021
Biodiversity Habitat Index	0.37	scale 0 to 1	11.7	● ●	0.37	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	8.92 × 10 ⁻⁸	WOE/million	100.0	● ●	6.00	WOE	2019
Spillover endangered terrestrial animals	2.75 × 10 ⁻³	WOE/capita	67.8	● ●	1.85 × 10 ⁵	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	3.50 × 10 ⁻⁴	WOE/million	88.1	● ●	2.36 × 10 ⁴	WOE	2019
Spillover endangered marine animals	1.09 × 10 ⁻³	WOE/capita	30.5	● ●	7.32 × 10 ⁴	WOE	2019
Unprotected marine biodiversity sites	81.89	%	18.9	● ↓	81.89	%	2020
Domestic marine biodiversity threats	0.24	spp./million	49.8	● ●	15.52	species	2018
Spillover marine biodiversity threats	0.44	spp./million	11.5	● ●	28.77	species	2018
Fish caught from overexploited or collapsed stocks	21.01	%	66.5	● ↓	21.01	%	2018
Fish caught by trawling	15.26	%	75.2	● →	15.26	%	2018
Domestic vulnerable fisheries catch	9.01	tonnes/capita	39.5	● →	0.60	Tg	2018
Spillover vulnerable fisheries catch	26.82	tonnes/capita	17.7	● ↓	1.80	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	0.39	scale 0 to 1.4	67.3	● →	0.39	scale 0 to 1.4	2015
Domestic nitrogen surplus	15.50	kg/capita	56.7	● ↓	1,031.80	Gg	2015
Spillover nitrogen surplus	11.91	kg/capita	12.9	● ↓	793.01	Tg	2015
Domestic phosphorus fertilizer	6.41	kg/capita	42.7	● →	430.42	kt	2018
Spillover phosphorus fertilizer	3.15	g/capita	33.7	● →	211.74	kt	2018
Water Cycle							
Domestic scarce water consumption	19.00	m ³ H ₂ O-eq./capita	29.2	● →	1,275.55	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	46.60	m ³ H ₂ O-eq./capita	42.2	● ↓	3,128.54	Mm ³ H ₂ O-eq.	2018
Domestic water stress	0.26	ML H ₂ O-eq./capita	53.7	● ↓	17.58	Bm ³ H ₂ O-eq.	2018
Spillover water stress	2.83	m ³ H ₂ O-eq./capita	31.3	● ↓	190.14	Mm ³ H ₂ O-eq.	2018

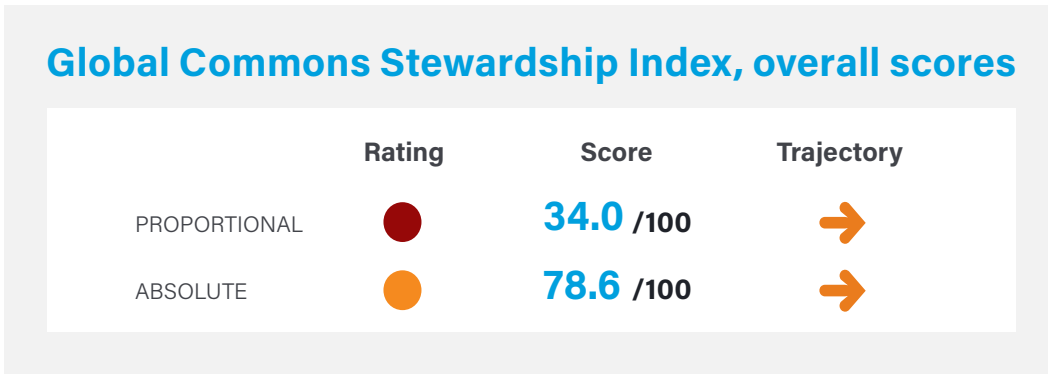
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Gabon

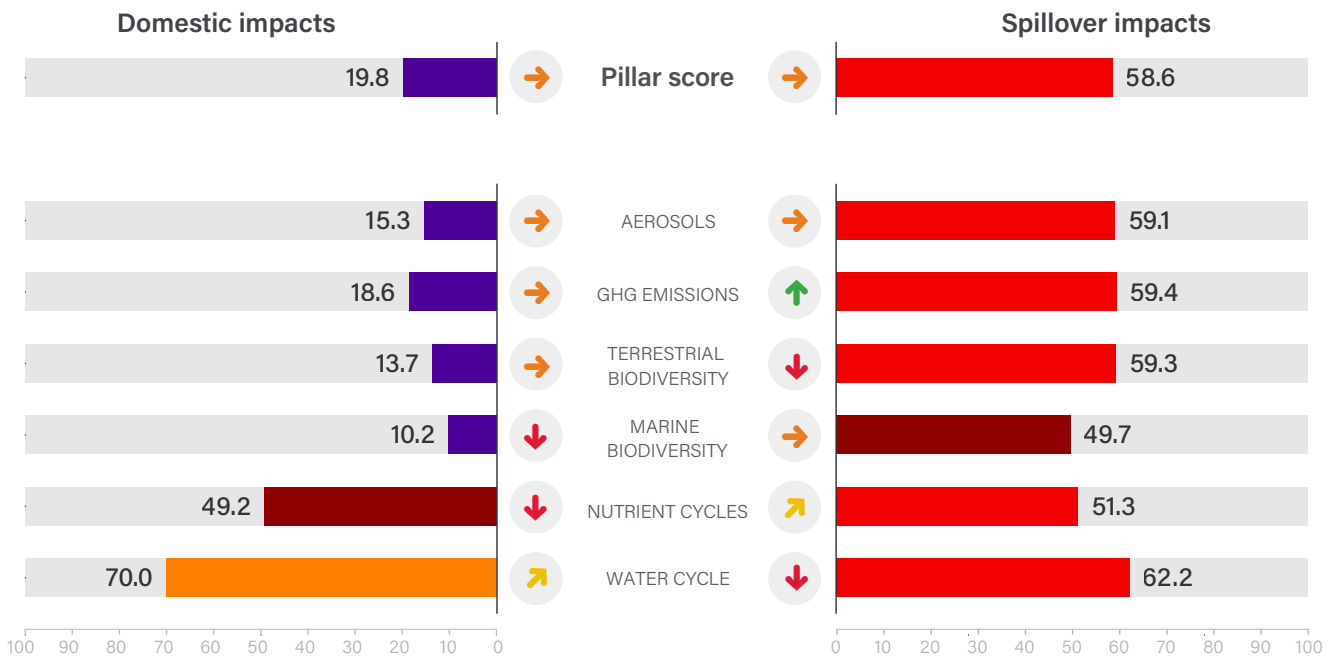
Africa

Land area	257,670 sq. km	Population	2.2 million
GDP (PPP, constant 2017 US\$, billions)	\$32.1	GDP per capita	\$14,400
Human Development Index (HDI)	0.706	HDI category	High



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons



Trajectories

Based on 5-year growth rates



Gabon

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	8.59	kg/capita	47.3	● →	18.21	Gg	2018
Spillover SO ₂ emissions	2.87	kg/capita	61.8	● →	5.60	Gg	2015
Domestic NO _x emissions	16.87	kg/capita	75.5	● →	35.76	Gg	2018
Spillover NO _x emissions	3.16	kg/capita	57.3	● →	6.16	Gg	2015
Domestic black carbon emissions	2.09	kg/capita	1.0	● →	4.43	Gg	2018
Spillover black carbon emissions	0.13	kg/capita	58.4	● →	0.24	Gg	2015
GHG Emissions							
Domestic GHG emissions	16.28	t CO ₂ e/capita	18.6	● →	35.38	Tg	2019
Spillover GHG emissions	1.73	t CO ₂ e/capita	59.4	● ↑	3.67	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	NA	t CO ₂ e/capita	NA	● ●	NA	Tg	NA
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	60.42	%	41.1	● ↓	60.42	%	2020
Unprotected freshwater biodiversity sites	93.61	%	7.6	● ↓	93.61	%	2020
Domestic land use related biodiversity loss	7.44 × 10 ⁻¹¹	global PDF/capita	1.0	● →	1.58 × 10 ⁻⁴	global PDF	2018
Spillover land use related biodiversity loss	4.23 × 10 ⁻¹²	global PDF/capita	77.7	● ↓	8.97 × 10 ⁻⁶	global PDF	2018
Domestic freshwater biodiversity threats	11.77	spp./million	1.0	● ●	24.95	species	2018
Spillover freshwater biodiversity threats	0.26	spp./million	20.9	● ●	0.55	species	2018
Domestic deforestation	0.10	%	92.6	● →	2.43 × 10 ⁴	hectares	2020
Spillover deforestation	1.77 × 10 ⁻³	ha/capita	76.2	● ↓	3.74 × 10 ³	hectares	2018
Red List Index of species survival	0.95	scale 0 to 1	89.1	● ↓	0.95	scale 0 to 1	2021
Biodiversity Habitat Index	0.66	scale 0 to 1	53.3	● ●	0.66	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	2.76 × 10 ⁻⁶	WOE/million	100.0	● ●	6.00	WOE	2019
Spillover endangered terrestrial animals	0.00	WOE/capita	100.0	● ●	0.00	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE	2019
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE	2019
Unprotected marine biodiversity sites	63.70	%	36.9	● ↓	63.70	%	2020
Domestic marine biodiversity threats	4.12	spp./million	10.3	● ●	8.74	species	2018
Spillover marine biodiversity threats	0.06	spp./million	37.6	● ●	0.12	species	2018
Fish caught from overexploited or collapsed stocks	69.58	%	1.0	● ↓	69.58	%	2018
Fish caught by trawling	41.61	%	31.9	● →	41.61	%	2018
Domestic vulnerable fisheries catch	123.97	tonnes/capita	5.1	● ↓	0.26	Tg	2018
Spillover vulnerable fisheries catch	10.93	tonnes/capita	32.7	● →	0.02	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	1.02	scale 0 to 1.4	11.9	● ↓	1.02	scale 0 to 1.4	2015
Domestic nitrogen surplus	3.54	kg/capita	91.2	● ↓	6.90	Gg	2015
Spillover nitrogen surplus	2.05	kg/capita	46.3	● ↓	4.00	Tg	2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt	NA
Spillover phosphorus fertilizer	1.50	g/capita	56.7	● ↑	3.17	kt	2018
Water Cycle							
Domestic scarce water consumption	0.85	m ³ H ₂ O-eq./capita	64.1	● →	1.80	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	20.51	m ³ H ₂ O-eq./capita	63.6	● ↓	43.47	Mm ³ H ₂ O-eq.	2018
Domestic water stress	0.01	ML H ₂ O-eq./capita	100.0	● ↑	0.02	Bm ³ H ₂ O-eq.	2018
Spillover water stress	0.90	m ³ H ₂ O-eq./capita	60.8	● ↓	1.91	Mm ³ H ₂ O-eq.	2018

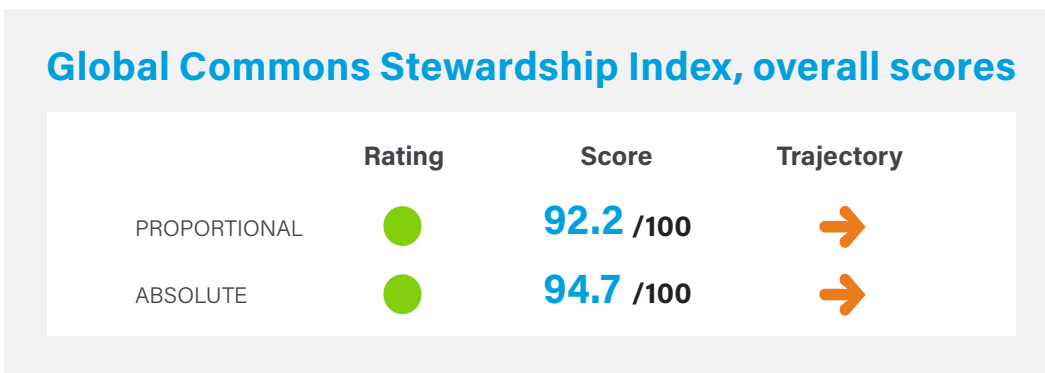
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Gambia

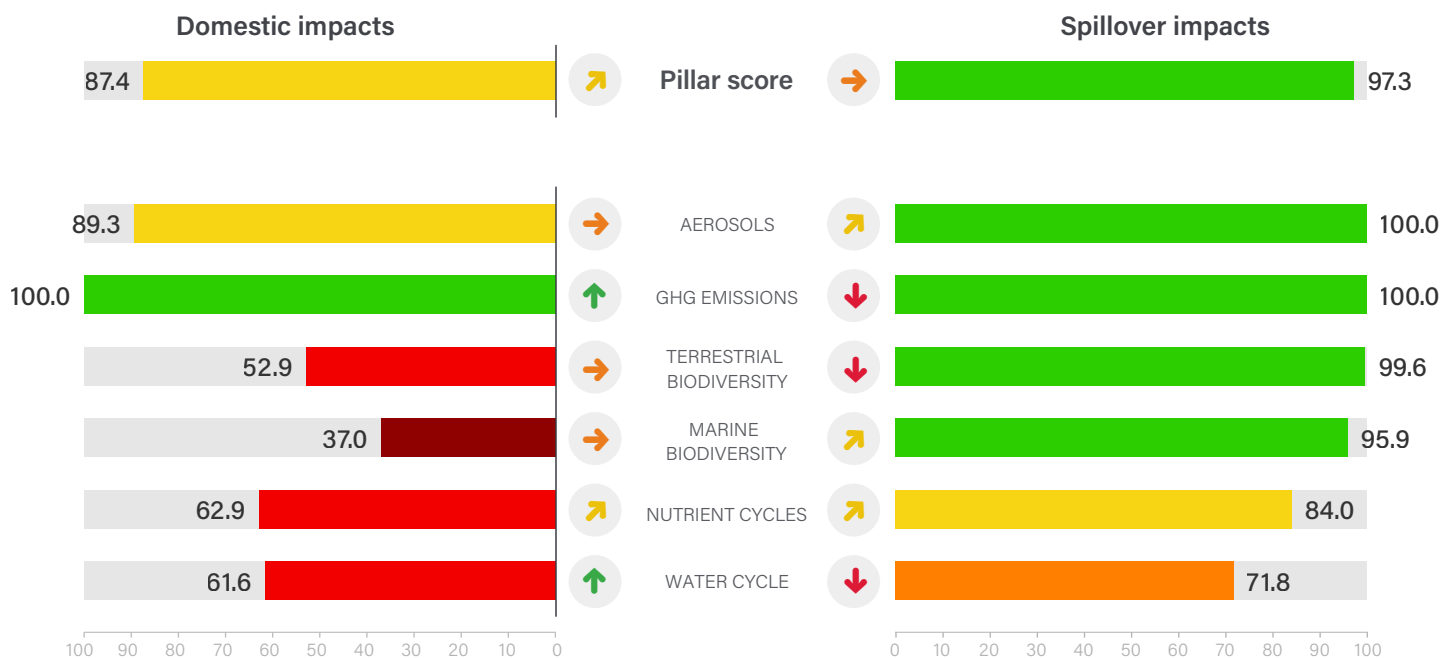
Africa

Land area	10,120 sq. km	Population	2.4 million
GDP (PPP, constant 2017 US\$, billions)	\$5.2	GDP per capita	\$2,159
Human Development Index (HDI)	0.500	HDI category	Low



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

95–100	None or limited
90–95	Low
80–90	Medium-low
70–80	Medium-high
50–70	High
30–50	Very high
0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Gambia

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	1.32	kg/capita	90.4	● ↗	3.01	Gg	2018
Spillover SO ₂ emissions	0.59	kg/capita	100.0	● ↑	1.23	Gg	2015
Domestic NO _x emissions	2.69	kg/capita	100.0	● ↓	6.14	Gg	2018
Spillover NO _x emissions	0.56	kg/capita	100.0	● ↓	1.17	Gg	2015
Domestic black carbon emissions	0.33	kg/capita	78.8	● →	0.76	Gg	2018
Spillover black carbon emissions	0.03	kg/capita	100.0	● ↑	0.05	Gg	2015
GHG Emissions							
Domestic GHG emissions	1.47	t CO ₂ e/capita	100.0	● ↑	3.45	Tg	2019
Spillover GHG emissions	0.39	t CO ₂ e/capita	100.0	● ↓	0.89	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	NA	t CO ₂ e/capita	NA	● ●	NA	Tg	NA
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	41.71	%	60.1	● ↓	41.71	%	2020
Unprotected freshwater biodiversity sites	99.02	%	2.0	● ↓	99.02	%	2020
Domestic land use related biodiversity loss	4.84 × 10 ⁻¹³	global PDF/capita	99.4	● ↗	1.10 × 10 ⁻⁶	global PDF	2018
Spillover land use related biodiversity loss	6.61 × 10 ⁻¹³	global PDF/capita	99.1	● ↓	1.51 × 10 ⁻⁶	global PDF	2018
Domestic freshwater biodiversity threats	0.08	spp./million	58.5	● ●	0.18	species	2018
Spillover freshwater biodiversity threats	0.00	spp./million	100.0	● ●	0.00	species	2018
Domestic deforestation	0.31	%	76.7	● →	1.20 × 10	hectares	2020
Spillover deforestation	1.99 × 10 ⁻⁴	ha/capita	99.2	● ↓	4.54 × 10 ²	hectares	2018
Red List Index of species survival	0.98	scale 0 to 1	97.1	● ↓	0.98	scale 0 to 1	2021
Biodiversity Habitat Index	0.29	scale 0 to 1	1.0	● ●	0.29	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	0.00	WOE/million	100.0	● ●	0.00	WOE	2019
Spillover endangered terrestrial animals	0.00	WOE/capita	100.0	● ●	0.00	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE	2019
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE	2019
Unprotected marine biodiversity sites	40.30	%	60.1	● ↓	40.30	%	2020
Domestic marine biodiversity threats	0.25	spp./million	49.3	● ●	0.56	species	2018
Spillover marine biodiversity threats	0.00	spp./million	100.0	● ●	0.00	species	2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	● ●	NA	%	NA
Fish caught by trawling	4.21	%	93.4	● ↓	4.21	%	2018
Domestic vulnerable fisheries catch	122.44	tonnes/capita	5.2	● →	0.28	Tg	2018
Spillover vulnerable fisheries catch	0.40	tonnes/capita	88.1	● ↗	0.00	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	0.86	scale 0 to 1.4	25.9	● ↓	0.86	scale 0 to 1.4	2015
Domestic nitrogen surplus	2.08	kg/capita	95.4	● ↑	4.34	Gg	2015
Spillover nitrogen surplus	0.25	kg/capita	86.5	● ↑	0.52	Tg	2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt	NA
Spillover phosphorus fertilizer	0.67	g/capita	81.7	● ↓	1.53	kt	2018
Water Cycle							
Domestic scarce water consumption	1.36	m ³ H ₂ O-eq./capita	58.8	● ↗	3.10	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	55.03	m ³ H ₂ O-eq./capita	37.9	● ↓	3,659.35	Mm ³ H ₂ O-eq.	2018
Domestic water stress	0.05	ML H ₂ O-eq./capita	74.2	● ↑	0.12	Bm ³ H ₂ O-eq.	2018
Spillover water stress	2.75	m ³ H ₂ O-eq./capita	32.0	● ↓	183.19	Mm ³ H ₂ O-eq.	2018

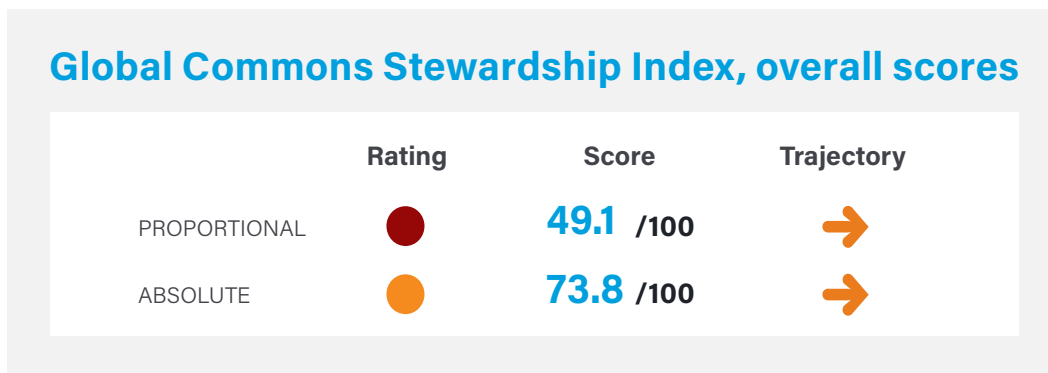
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Georgia

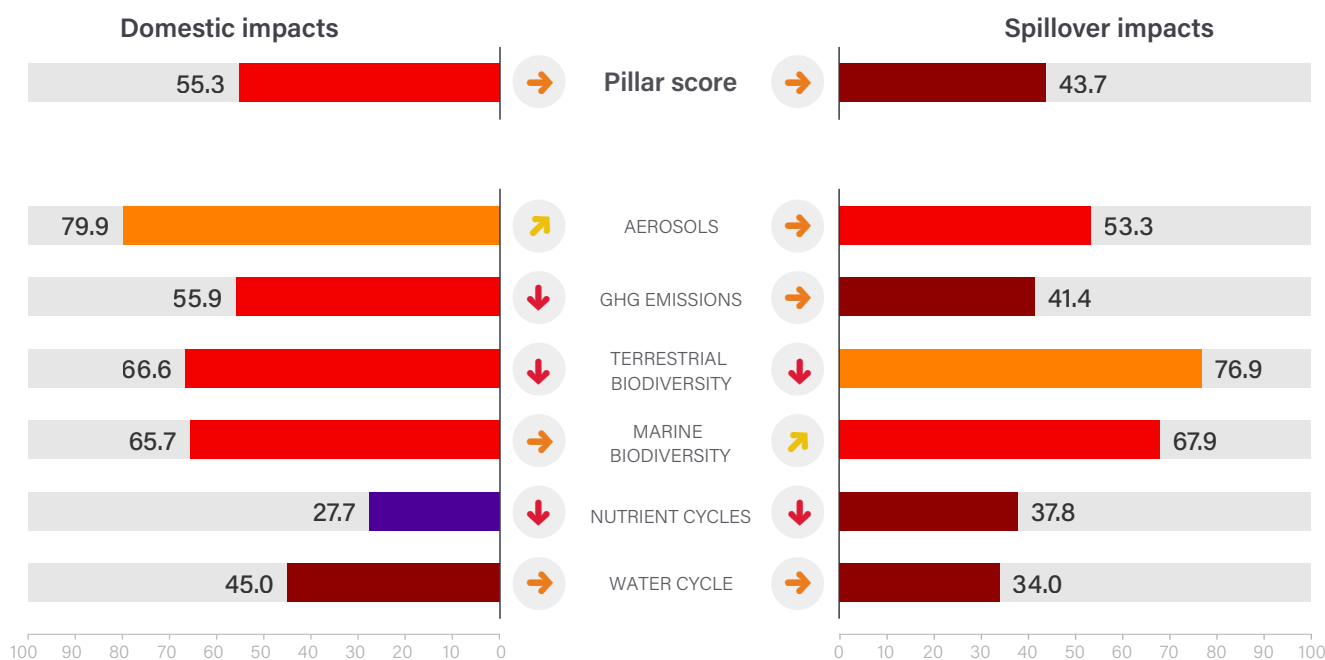
Eastern Europe and Central Asia

Land area	69,490 sq. km	Population	3.7 million
GDP (PPP, constant 2017 US\$, billions)	\$52.3	GDP per capita	\$14,089
Human Development Index (HDI)	0.802	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories



The Global Commons Stewardship Index

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Dashboard categories

Negative impacts on the Global Commons

■	95–100	None or limited
■	90–95	Low
■	80–90	Medium-low
■	70–80	Medium-high
■	50–70	High
■	30–50	Very high
■	0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Georgia

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	2.92	kg/capita	72.2	● ↓	10.88	Gg	2018
Spillover SO ₂ emissions	4.15	kg/capita	51.7	● →	15.44	Gg	2015
Domestic NO _x emissions	10.66	kg/capita	88.2	● ↗	39.74	Gg	2018
Spillover NO _x emissions	4.23	kg/capita	49.6	● ↓	15.75	Gg	2015
Domestic black carbon emissions	0.32	kg/capita	80.0	● ↗	1.19	Gg	2018
Spillover black carbon emissions	0.12	kg/capita	59.2	● ↓	0.45	Gg	2015
GHG Emissions							
Domestic GHG emissions	5.08	t CO ₂ e/capita	63.9	● ↓	18.89	Tg	2019
Spillover GHG emissions	3.29	t CO ₂ e/capita	41.4	● →	12.26	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	0.01	t CO ₂ e/capita	37.6	● ●	0.05	Tg	2021
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	40.32	%	61.5	● ↓	40.32	%	2020
Unprotected freshwater biodiversity sites	38.95	%	64.1	● ↓	38.95	%	2020
Domestic land use related biodiversity loss	1.10 × 10 ⁻¹¹	global PDF/capita	85.4	● →	4.11 × 10 ⁻⁵	global PDF	2018
Spillover land use related biodiversity loss	3.14 × 10 ⁻¹²	global PDF/capita	84.2	● ↓	1.17 × 10 ⁻⁵	global PDF	2018
Domestic freshwater biodiversity threats	0.20	spp./million	46.0	● ●	0.80	species	2018
Spillover freshwater biodiversity threats	0.06	spp./million	46.5	● ●	0.23	species	2018
Domestic deforestation	0.00	%	99.9	● ↓	5.78 × 10	hectares	2020
Spillover deforestation	8.82 × 10 ⁻⁴	ha/capita	89.2	● ↓	3.29 × 10 ³	hectares	2018
Red List Index of species survival	0.89	scale 0 to 1	69.0	● ↓	0.89	scale 0 to 1	2021
Biodiversity Habitat Index	0.39	scale 0 to 1	14.7	● ●	0.39	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	0.00	WOE/million	100.0	● ●	0.00	WOE	2019
Spillover endangered terrestrial animals	2.42 × 10 ⁻⁶	WOE/capita	100.0	● ●	9.00	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE	2019
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE	2019
Unprotected marine biodiversity sites	35.64	%	64.7	● ↓	35.64	%	2020
Domestic marine biodiversity threats	0.02	spp./million	81.6	● ●	0.10	species	2018
Spillover marine biodiversity threats	0.01	spp./million	68.6	● ●	0.02	species	2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	● ●	NA	%	NA
Fish caught by trawling	5.30	%	91.6	● ↗	5.30	%	2018
Domestic vulnerable fisheries catch	13.29	tonnes/capita	34.4	● ↓	0.05	Tg	2018
Spillover vulnerable fisheries catch	5.03	tonnes/capita	45.7	● ↗	0.02	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	1.09	scale 0 to 1.4	6.2	● ↓	1.09	scale 0 to 1.4	2015
Domestic nitrogen surplus	13.00	kg/capita	63.9	● ↓	48.44	Gg	2015
Spillover nitrogen surplus	2.24	kg/capita	44.7	● →	8.33	Tg	2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt	NA
Spillover phosphorus fertilizer	3.34	g/capita	31.9	● ↓	12.44	kt	2018
Water Cycle							
Domestic scarce water consumption	1.88	m ³ H ₂ O-eq./capita	55.1	● ↗	7.01	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	41.83	m ³ H ₂ O-eq./capita	45.0	● →	155.89	Mm ³ H ₂ O-eq.	2018
Domestic water stress	3.56	ML H ₂ O-eq./capita	20.0	● →	13.25	Bm ³ H ₂ O-eq.	2018
Spillover water stress	3.53	m ³ H ₂ O-eq./capita	25.6	● ↓	13.15	Mm ³ H ₂ O-eq.	2018

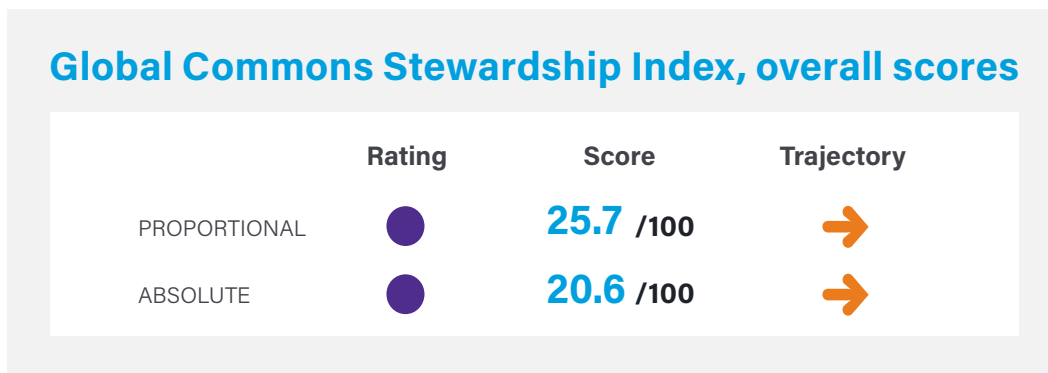
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Germany

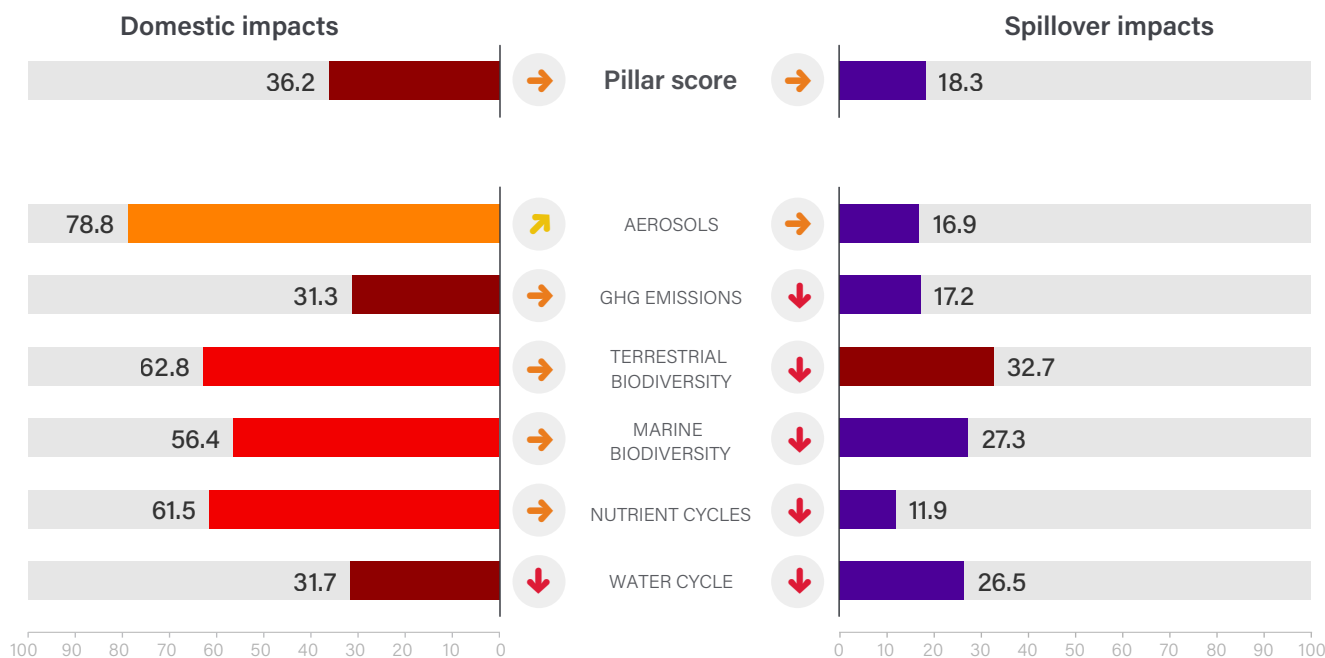
OECD Member

Land area	349,380 sq. km	Population	83.2 million
GDP (PPP, constant 2017 US\$, billions)	\$4,276.4	GDP per capita	\$51,374
Human Development Index (HDI)	0.942	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories



The Global Commons Stewardship Index

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Dashboard categories

Negative impacts on the Global Commons



Trajectories

Based on 5-year growth rates



Germany

Performance by Indicator

Indicator	Proportional		Score			Absolute		Year
	Value	Units				Value	Units	
Aerosols								
Domestic SO ₂ emissions	4.92	kg/capita	60.2	●	↗	407.85	Gg	2018
Spillover SO ₂ emissions	13.05	kg/capita	20.1	●	→	1,066.28	Gg	2015
Domestic NO _x emissions	12.14	kg/capita	85.2	●	→	1,006.32	Gg	2018
Spillover NO _x emissions	16.31	kg/capita	13.8	●	→	1,332.38	Gg	2015
Domestic black carbon emissions	0.15	kg/capita	95.5	●	↑	12.20	Gg	2018
Spillover black carbon emissions	0.55	kg/capita	17.5	●	→	44.94	Gg	2015
GHG Emissions								
Domestic GHG emissions	11.16	t CO ₂ e/capita	33.3	●	→	927.42	Tg	2019
Spillover GHG emissions	7.77	t CO ₂ e/capita	17.2	●	↓	644.42	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	0.18	t CO ₂ e/capita	26.1	●	●	14.67	Tg	2020
Terrestrial Biodiversity Loss								
Unprotected terrestrial biodiversity sites	78.71	%	22.6	●	↓	78.71	%	2020
Unprotected freshwater biodiversity sites	78.82	%	22.9	●	↓	78.82	%	2020
Domestic land use related biodiversity loss	9.14 × 10 ⁻¹³	global PDF/capita	98.8	●	↗	7.58 × 10 ⁻⁵	global PDF	2018
Spillover land use related biodiversity loss	8.82 × 10 ⁻¹²	global PDF/capita	50.2	●	↓	7.31 × 10 ⁻⁴	global PDF	2018
Domestic freshwater biodiversity threats	0.24	spp./million	43.8	●	●	19.61	species	2018
Spillover freshwater biodiversity threats	0.62	spp./million	6.2	●	●	51.64	species	2018
Domestic deforestation	0.88	%	34.1	●	↓	1.12 × 10 ⁵	hectares	2020
Spillover deforestation	3.51 × 10 ⁻³	ha/capita	50.6	●	↓	2.91 × 10 ⁵	hectares	2018
Red List Index of species survival	0.98	scale 0 to 1	97.9	●	↗	0.98	scale 0 to 1	2021
Biodiversity Habitat Index	0.36	scale 0 to 1	11.2	●	●	0.36	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	3.61 × 10 ⁻⁸	WOE/million	100.0	●	●	3.00	WOE	2019
Spillover endangered terrestrial animals	2.33 × 10 ⁻³	WOE/capita	72.7	●	●	1.94 × 10 ⁵	WOE	2019
Marine Biodiversity Loss								
Domestic export of endangered marine animals	0.00	WOE/million	100.0	●	●	0.00	WOE	2019
Spillover endangered marine animals	6.85 × 10 ⁻⁴	WOE/capita	56.2	●	●	5.69 × 10 ⁴	WOE	2019
Unprotected marine biodiversity sites	77.00	%	23.8	●	↓	77.00	%	2020
Domestic marine biodiversity threats	0.01	spp./million	89.3	●	●	1.13	species	2018
Spillover marine biodiversity threats	0.28	spp./million	17.3	●	●	23.48	species	2018
Fish caught from overexploited or collapsed stocks	25.62	%	59.1	●	→	25.62	%	2018
Fish caught by trawling	18.82	%	69.4	●	↓	18.82	%	2018
Domestic vulnerable fisheries catch	2.48	tonnes/capita	56.5	●	↓	0.21	Tg	2018
Spillover vulnerable fisheries catch	22.23	tonnes/capita	20.9	●	↓	1.84	tonnes	2018
Nutrient Cycles								
Sustainable Nitrogen Management Index	0.51	scale 0 to 1.4	56.8	●	↓	0.51	scale 0 to 1.4	2015
Domestic nitrogen surplus	15.33	kg/capita	57.2	●	↓	1,251.88	Gg	2015
Spillover nitrogen surplus	15.80	kg/capita	7.6	●	↓	1,290.41	Tg	2015
Domestic phosphorus fertilizer	2.43	kg/capita	68.7	●	↑	201.16	kt	2018
Spillover phosphorus fertilizer	5.11	g/capita	18.7	●	↓	423.53	kt	2018
Water Cycle								
Domestic scarce water consumption	26.70	m ³ H ₂ O-eq./capita	25.3	●	↓	2,213.91	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	11.31	m ³ H ₂ O-eq./capita	79.1	●	↓	336.79	Mm ³ H ₂ O-eq.	2018
Domestic water stress	0.04	ML H ₂ O-eq./capita	77.1	●	↓	3.54	Bm ³ H ₂ O-eq.	2018
Spillover water stress	0.43	m ³ H ₂ O-eq./capita	80.2	●	↓	12.72	Mm ³ H ₂ O-eq.	2018

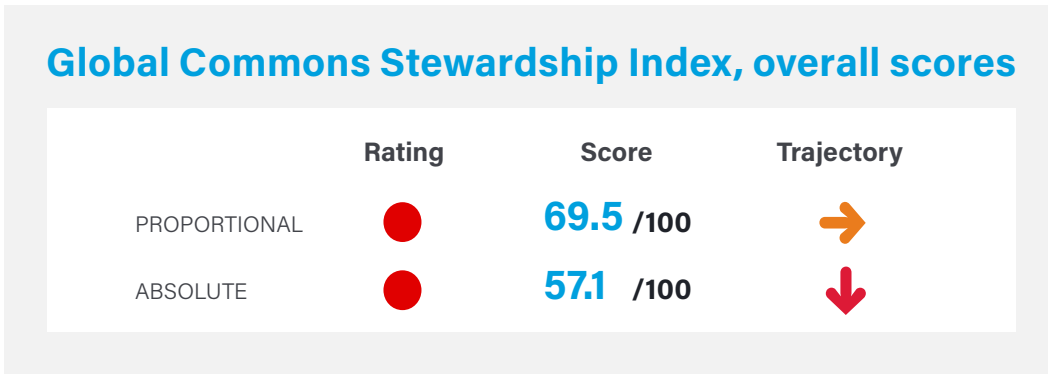
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Ghana

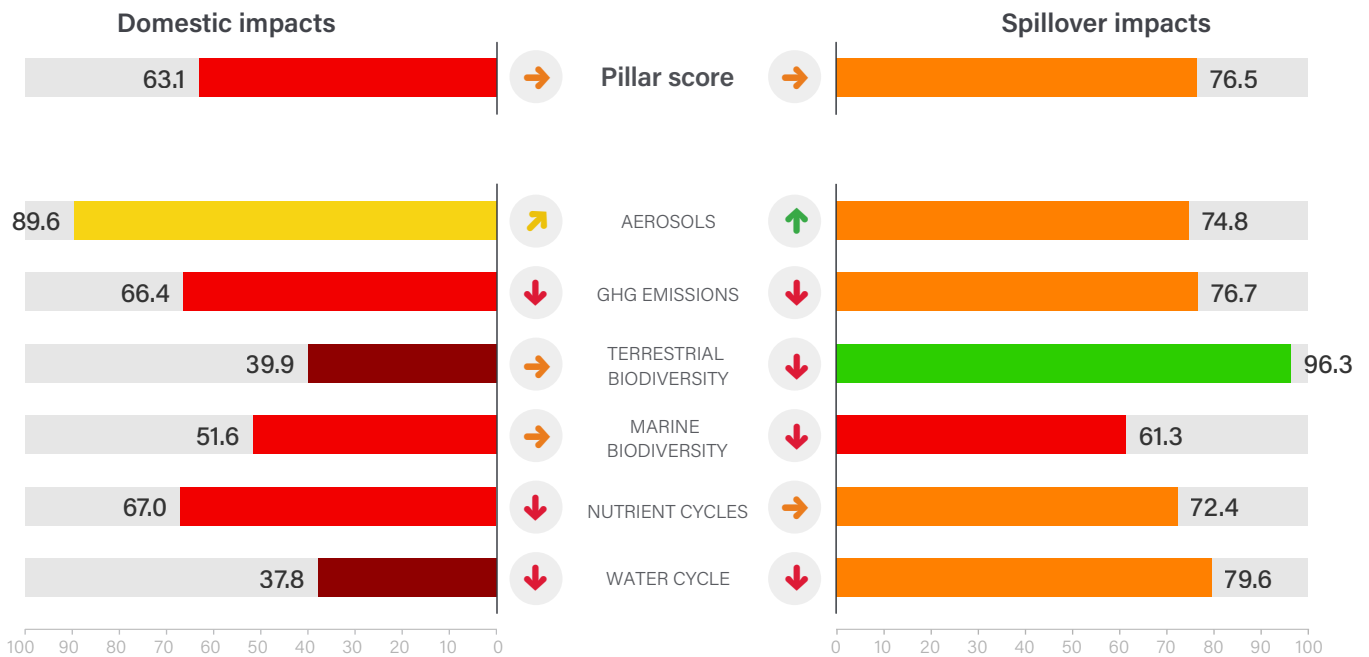
Africa

Land area	227,540 sq. km	Population	31.1 million
GDP (PPP, constant 2017 US\$, billions)	\$164.8	GDP per capita	\$5,305
Human Development Index (HDI)	0.632	HDI category	Medium



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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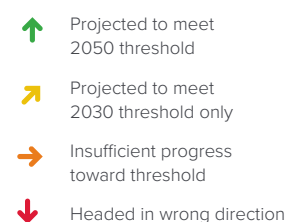
Dashboard categories

Negative impacts on the Global Commons



Trajectories

Based on 5-year growth rates



Ghana

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	1.08	kg/capita	95.1	● ↓	32.04	Gg 2018
Spillover SO ₂ emissions	1.76	kg/capita	75.4	● ↑	48.91	Gg 2015
Domestic NO _x emissions	3.54	kg/capita	100.0	● ↑	105.36	Gg 2018
Spillover NO _x emissions	1.59	kg/capita	75.6	● ↑	44.33	Gg 2015
Domestic black carbon emissions	0.37	kg/capita	75.5	● ↗	10.95	Gg 2018
Spillover black carbon emissions	0.07	kg/capita	73.4	● ↑	2.03	Gg 2015
GHG Emissions						
Domestic GHG emissions	2.06	t CO ₂ e/capita	98.8	● ↓	62.74	Tg 2019
Spillover GHG emissions	0.94	t CO ₂ e/capita	76.7	● ↓	27.86	Tg 2018
CO ₂ emissions embodied in fossil fuel exports	0.64	t CO ₂ e/capita	20.2	● ●	19.46	Tg 2019
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	68.88	%	32.5	● ↓	68.88	% 2020
Unprotected freshwater biodiversity sites	80.51	%	21.1	● ↓	80.51	% 2020
Domestic land use related biodiversity loss	3.80 × 10 ⁻¹²	global PDF/capita	95.0	● →	113 × 10 ⁻⁴	global PDF 2018
Spillover land use related biodiversity loss	1.44 × 10 ⁻¹²	global PDF/capita	94.5	● ↓	4.28 × 10 ⁻⁵	global PDF 2018
Domestic freshwater biodiversity threats	0.56	spp./million	32.0	● ●	16.63	species 2018
Spillover freshwater biodiversity threats	0.00	spp./million	97.8	● ●	0.08	species 2018
Domestic deforestation	1.78	%	1.0	● ↓	1.25 × 10 ⁵	hectares 2020
Spillover deforestation	5.84 × 10 ⁻⁴	ha/capita	93.6	● →	1.74 × 10 ⁴	hectares 2018
Red List Index of species survival	0.84	scale 0 to 1	54.0	● →	0.84	scale 0 to 1 2021
Biodiversity Habitat Index	0.38	scale 0 to 1	13.8	● ●	0.38	scale 0 to 1 2020
Domestic export of endangered terrestrial animals	7.44 × 10 ⁻⁴	WOE/million	92.2	● ●	2.26 × 10 ⁴	WOE 2019
Spillover endangered terrestrial animals	3.81 × 10 ⁻⁵	WOE/capita	99.6	● ●	1.16 × 10 ³	WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	1.64 × 10 ⁻⁶	WOE/million	99.9	● ●	5.00 × 10	WOE 2019
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE 2019
Unprotected marine biodiversity sites	19.56	%	80.6	● ↓	19.56	% 2020
Domestic marine biodiversity threats	0.20	spp./million	52.5	● ●	5.84	species 2018
Spillover marine biodiversity threats	0.00	spp./million	71.8	● ●	0.12	species 2018
Fish caught from overexploited or collapsed stocks	44.05	%	29.7	● ↓	44.05	% 2018
Fish caught by trawling	7.40	%	88.1	● →	7.40	% 2018
Domestic vulnerable fisheries catch	22.01	tonnes/capita	27.8	● ↓	0.66	Tg 2018
Spillover vulnerable fisheries catch	11.37	tonnes/capita	32.1	● ↓	0.34	tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.80	scale 0 to 1.4	31.9	● →	0.80	scale 0 to 1.4 2015
Domestic nitrogen surplus	2.09	kg/capita	95.3	● ↓	58.33	Gg 2015
Spillover nitrogen surplus	0.26	kg/capita	85.7	● ↗	7.18	Tg 2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt NA
Spillover phosphorus fertilizer	1.30	g/capita	61.2	● ↓	38.58	kt 2018
Water Cycle						
Domestic scarce water consumption	10.48	m ³ H ₂ O-eq./capita	35.9	● ↓	311.86	Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	67.58	m ³ H ₂ O-eq./capita	32.6	● ↓	838.98	Mm ³ H ₂ O-eq. 2018
Domestic water stress	0.45	ML H ₂ O-eq./capita	46.7	● ↓	13.36	Bm ³ H ₂ O-eq. 2018
Spillover water stress	2.09	m ³ H ₂ O-eq./capita	39.2	● ↓	25.94	Mm ³ H ₂ O-eq. 2018

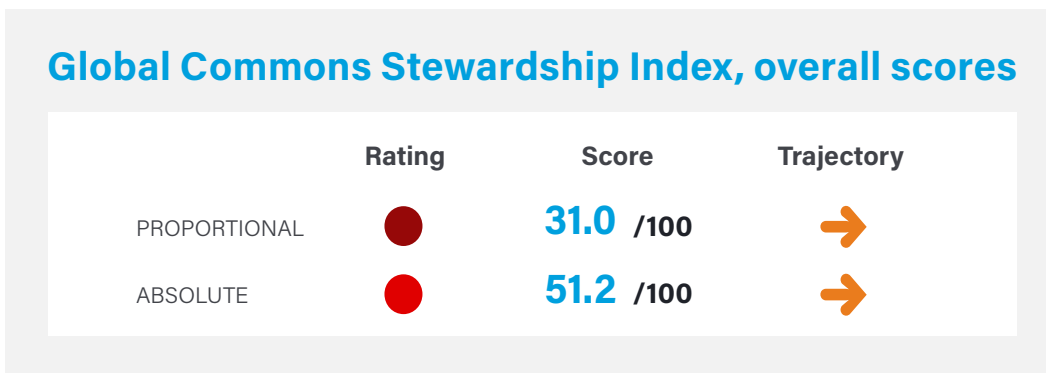
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Greece

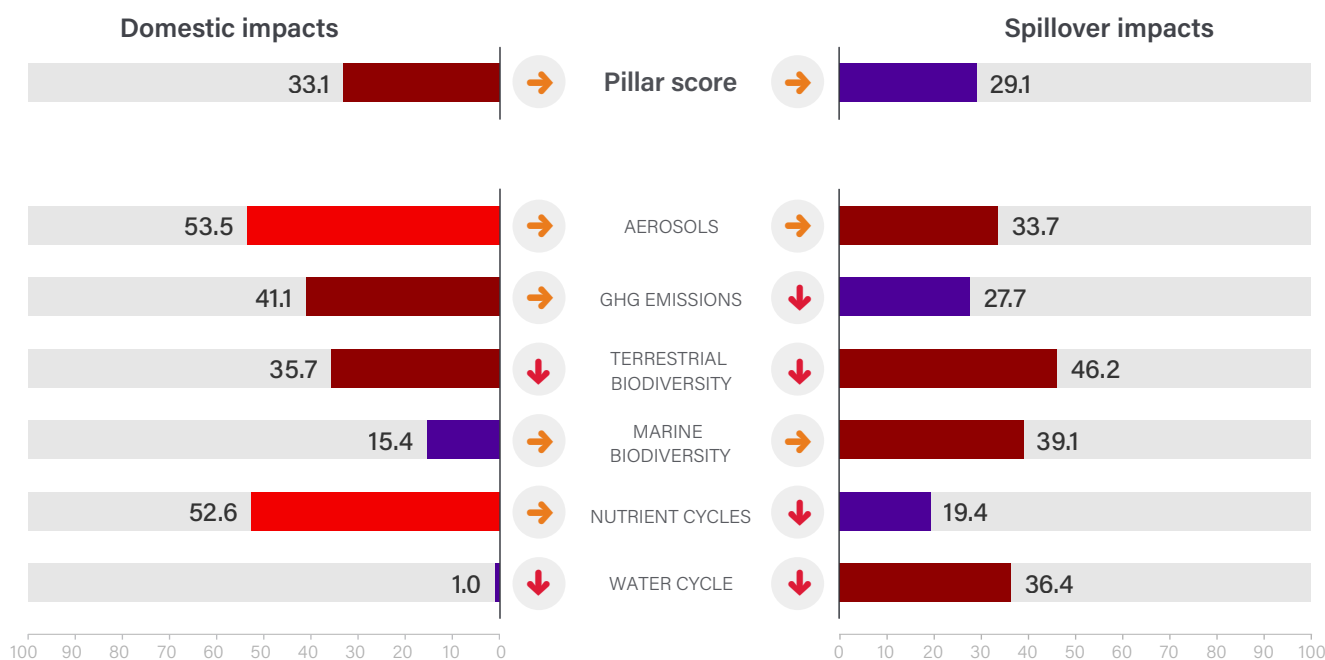
OECD Member

Land area	128,900 sq. km	Population	10.7 million
GDP (PPP, constant 2017 US\$, billions)	\$292.4	GDP per capita	\$27,287
Human Development Index (HDI)	0.887	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories

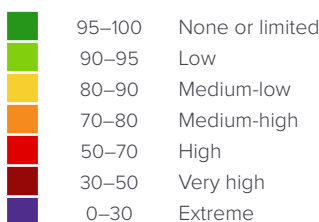


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Dashboard categories

Negative impacts on the Global Commons



Trajectories

Based on 5-year growth rates



Greece

Performance by Indicator

Indicator	Proportional			Absolute		
	Value	Units	Score	Value	Units	Year
Aerosols						
Domestic SO ₂ emissions	20.01	kg/capita	27.9	214.79	Gg	2018
Spillover SO ₂ emissions	8.63	kg/capita	31.5	93.39	Gg	2015
Domestic NO _x emissions	20.14	kg/capita	68.8	216.17	Gg	2018
Spillover NO _x emissions	7.99	kg/capita	32.7	86.50	Gg	2015
Domestic black carbon emissions	0.32	kg/capita	79.7	3.46	Gg	2018
Spillover black carbon emissions	0.27	kg/capita	37.2	2.91	Gg	2015
GHG Emissions						
Domestic GHG emissions	8.39	t CO ₂ e/capita	44.4	89.99	Tg	2019
Spillover GHG emissions	5.35	t CO ₂ e/capita	27.7	57.41	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	0.04	t CO ₂ e/capita	32.7	0.44	Tg	2020
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	86.03	%	15.2	86.03	%	2020
Unprotected freshwater biodiversity sites	90.41	%	10.9	90.41	%	2020
Domestic land use related biodiversity loss	2.31 × 10 ⁻¹¹	global PDF/capita	69.2	2.48 × 10 ⁻⁴	global PDF	2018
Spillover land use related biodiversity loss	7.94 × 10 ⁻¹²	global PDF/capita	55.5	8.52 × 10 ⁻⁵	global PDF	2018
Domestic freshwater biodiversity threats	5.20	spp./million	1.4	54.73	species	2018
Spillover freshwater biodiversity threats	0.41	spp./million	13.4	4.28	species	2018
Domestic deforestation	0.11	%	91.7	4.02 × 10 ³	hectares	2020
Spillover deforestation	2.01 × 10 ⁻³	ha/capita	72.6	2.16 × 10 ⁴	hectares	2018
Red List Index of species survival	0.83	scale 0 to 1	52.4	0.83	scale 0 to 1	2021
Biodiversity Habitat Index	0.34	scale 0 to 1	7.4	0.34	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	6.53 × 10 ⁻⁷	WOE/million	100.0	7.00	WOE	2019
Spillover endangered terrestrial animals	1.32 × 10 ⁻³	WOE/capita	84.6	1.41 × 10 ⁴	WOE	2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	0.00	WOE/million	100.0	0.00	WOE	2019
Spillover endangered marine animals	8.89 × 10 ⁻⁵	WOE/capita	94.3	9.53 × 10 ²	WOE	2019
Unprotected marine biodiversity sites	85.52	%	15.3	85.52	%	2020
Domestic marine biodiversity threats	1.43	spp./million	25.0	15.02	species	2018
Spillover marine biodiversity threats	0.19	spp./million	22.7	1.95	species	2018
Fish caught from overexploited or collapsed stocks	62.48	%	1.0	62.48	%	2018
Fish caught by trawling	37.29	%	39.0	37.29	%	2018
Domestic vulnerable fisheries catch	12.93	tonnes/capita	34.8	0.14	Tg	2018
Spillover vulnerable fisheries catch	14.67	tonnes/capita	27.8	0.16	tonnes	2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.64	scale 0 to 1.4	45.5	0.64	scale 0 to 1.4	2015
Domestic nitrogen surplus	10.41	kg/capita	71.4	112.65	Gg	2015
Spillover nitrogen surplus	10.65	kg/capita	15.1	115.22	Tg	2015
Domestic phosphorus fertilizer	5.53	kg/capita	46.7	59.33	kt	2018
Spillover phosphorus fertilizer	4.17	g/capita	25.0	44.78	kt	2018
Water Cycle						
Domestic scarce water consumption	317.89	m ³ H ₂ O-eq./capita	1.0	3,411.91	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	12.31	m ³ H ₂ O-eq./capita	76.9	28.08	Mm ³ H ₂ O-eq.	2018
Domestic water stress	15.51	ML H ₂ O-eq./capita	1.0	166.51	Bm ³ H ₂ O-eq.	2018
Spillover water stress	0.71	m ³ H ₂ O-eq./capita	67.0	1.62	Mm ³ H ₂ O-eq.	2018

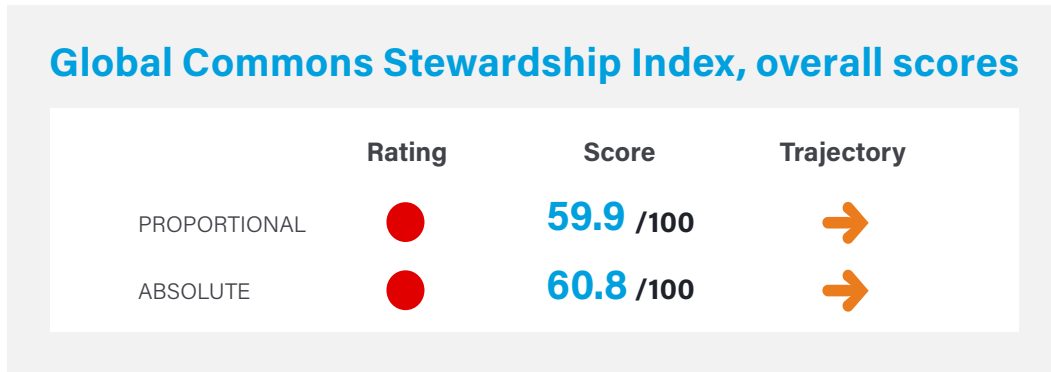
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Guatemala

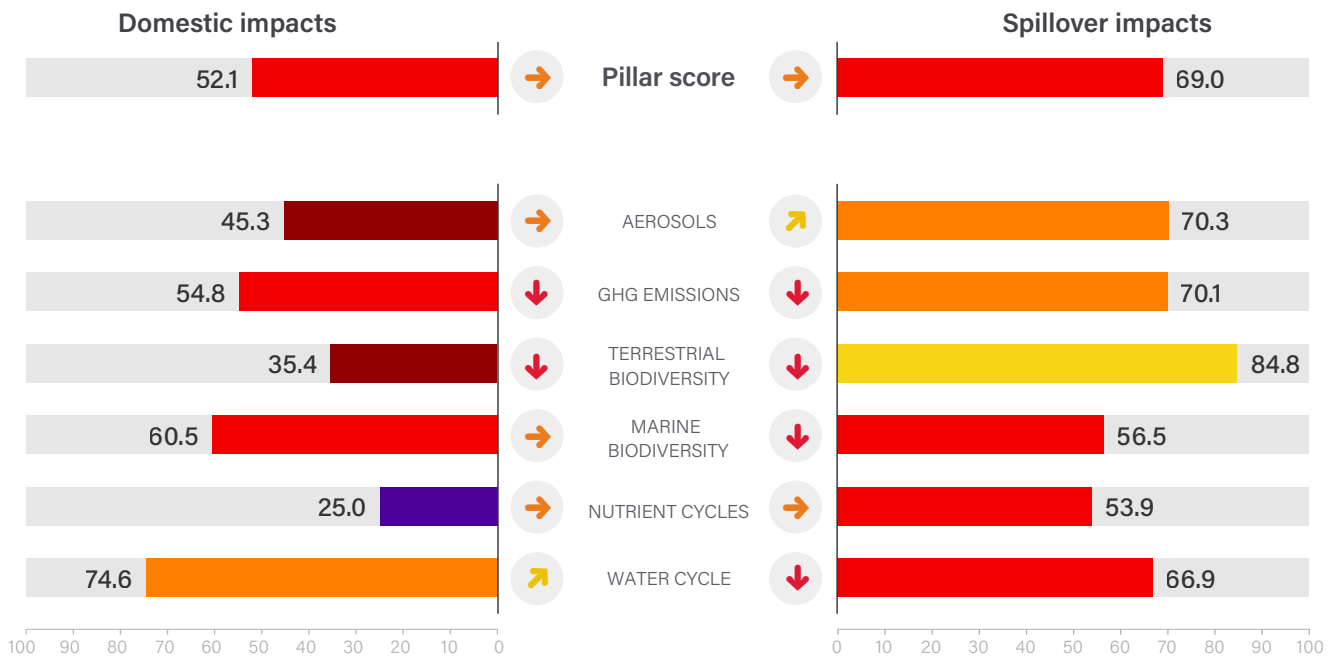
Latin America and Caribbean

Land area	107,160 sq. km	Population	16.9 million
GDP (PPP, constant 2017 US\$, billions)	\$141.5	GDP per capita	\$8,393
Human Development Index (HDI)	0.627	HDI category	Medium



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

95–100	None or limited
90–95	Low
80–90	Medium-low
70–80	Medium-high
50–70	High
30–50	Very high
0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Guatemala

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	5.11	kg/capita	59.3	● ↗	83.57	Gg	2018
Spillover SO ₂ emissions	2.01	kg/capita	71.7	● ↑	31.23	Gg	2015
Domestic NO _x emissions	9.36	kg/capita	90.9	● ↓	153.03	Gg	2018
Spillover NO _x emissions	2.16	kg/capita	67.4	● ↗	33.63	Gg	2015
Domestic black carbon emissions	1.01	kg/capita	17.3	● ↓	16.56	Gg	2018
Spillover black carbon emissions	0.08	kg/capita	71.9	● ↗	1.20	Gg	2015
GHG Emissions							
Domestic GHG emissions	4.95	t CO ₂ e/capita	64.8	● ↓	82.20	Tg	2019
Spillover GHG emissions	1.18	t CO ₂ e/capita	70.1	● ↓	19.32	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	0.04	t CO ₂ e/capita	33.0	● ●	0.65	Tg	2021
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	29.98	%	72.0	● ↓	29.98	%	2020
Unprotected freshwater biodiversity sites	24.82	%	78.7	● ↓	24.82	%	2020
Domestic land use related biodiversity loss	2.27 × 10 ⁻¹¹	global PDF/capita	69.9	● ↗	3.70 × 10 ⁻⁴	global PDF	2018
Spillover land use related biodiversity loss	4.52 × 10 ⁻¹²	global PDF/capita	76.0	● ↓	7.39 × 10 ⁻⁵	global PDF	2018
Domestic freshwater biodiversity threats	0.19	spp./million	46.7	● ●	3.30	species	2018
Spillover freshwater biodiversity threats	0.01	spp./million	75.3	● ●	0.18	species	2018
Domestic deforestation	1.19	%	10.4	● ↓	8.40 × 10 ⁴	hectares	2020
Spillover deforestation	7.89 × 10 ⁻⁴	ha/capita	90.5	● ↓	1.29 × 10 ⁴	hectares	2018
Red List Index of species survival	0.72	scale 0 to 1	15.8	● ↓	0.72	scale 0 to 1	2021
Biodiversity Habitat Index	0.42	scale 0 to 1	19.7	● ●	0.42	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	0.00	WOE/million	100.0	● ●	0.00	WOE	2019
Spillover endangered terrestrial animals	0.00	WOE/capita	100.0	● ●	0.00	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE	2019
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE	2019
Unprotected marine biodiversity sites	48.69	%	51.8	● ↓	48.69	%	2020
Domestic marine biodiversity threats	0.27	spp./million	48.1	● ●	4.67	species	2018
Spillover marine biodiversity threats	0.07	spp./million	34.5	● ●	1.28	species	2018
Fish caught from overexploited or collapsed stocks	8.57	%	86.4	● ↑	8.57	%	2018
Fish caught by trawling	24.43	%	60.2	● ↓	24.43	%	2018
Domestic vulnerable fisheries catch	2.84	tonnes/capita	54.7	● ↗	0.05	Tg	2018
Spillover vulnerable fisheries catch	3.40	tonnes/capita	52.2	● ↓	0.06	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	0.99	scale 0 to 1.4	15.2	● ↓	0.99	scale 0 to 1.4	2015
Domestic nitrogen surplus	13.33	kg/capita	63.0	● ↗	207.52	Gg	2015
Spillover nitrogen surplus	1.26	kg/capita	55.5	● ↗	19.65	Tg	2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt	NA
Spillover phosphorus fertilizer	1.73	g/capita	52.3	● ↗	28.26	kt	2018
Water Cycle							
Domestic scarce water consumption	0.38	m ³ H ₂ O-eq./capita	73.0	● ↗	6.29	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	50.64	m ³ H ₂ O-eq./capita	40.1	● ↓	543.48	Mm ³ H ₂ O-eq.	2018
Domestic water stress	0.03	ML H ₂ O-eq./capita	81.7	● ↗	0.49	Bm ³ H ₂ O-eq.	2018
Spillover water stress	2.65	m ³ H ₂ O-eq./capita	33.0	● ↓	28.44	Mm ³ H ₂ O-eq.	2018

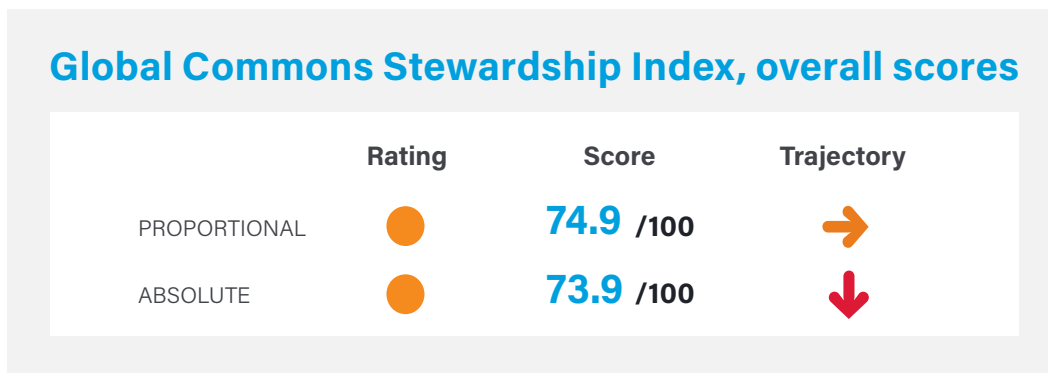
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Guinea

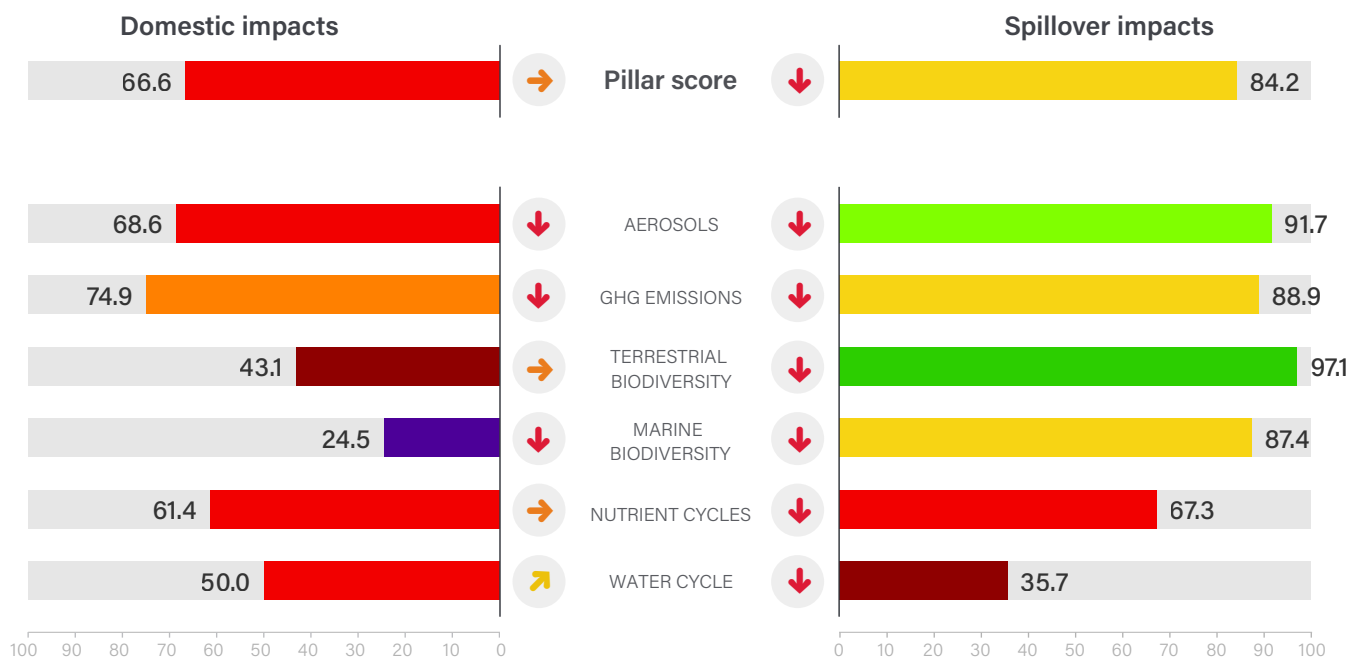
Africa

Land area	245,720 sq. km	Population	13.1 million
GDP (PPP, constant 2017 US\$, billions)	\$35.1	GDP per capita	\$2,671
Human Development Index (HDI)	0.465	HDI category	Low



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

95–100	None or limited
90–95	Low
80–90	Medium-low
70–80	Medium-high
50–70	High
30–50	Very high
0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Guinea

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	1.52	kg/capita	87.1	● ↓	18.91	Gg
Spillover SO ₂ emissions	0.95	kg/capita	92.3	● ↓	10.88	Gg
Domestic NO _x emissions	3.57	kg/capita	100.0	● ↓	44.37	Gg
Spillover NO _x emissions	0.91	kg/capita	90.4	● ↓	10.39	Gg
Domestic black carbon emissions	0.79	kg/capita	37.0	● →	9.86	Gg
Spillover black carbon emissions	0.04	kg/capita	92.5	● ↓	0.42	Gg
GHG Emissions						
Domestic GHG emissions	3.82	t CO ₂ e/capita	74.9	● ↓	48.73	Tg
Spillover GHG emissions	0.60	t CO ₂ e/capita	88.9	● ↓	7.50	Tg
CO ₂ emissions embodied in fossil fuel exports	NA	t CO ₂ e/capita	NA	● ●	NA	Tg
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	69.79	%	31.6	● ↓	69.79	%
Unprotected freshwater biodiversity sites	90.42	%	10.9	● ↓	90.42	%
Domestic land use related biodiversity loss	2.06 × 10 ⁻¹²	global PDF/capita	97.3	● →	2.56 × 10 ⁻⁵	global PDF
Spillover land use related biodiversity loss	1.24 × 10 ⁻¹²	global PDF/capita	95.6	● ↓	1.54 × 10 ⁻⁵	global PDF
Domestic freshwater biodiversity threats	1.35	spp./million	20.0	● ●	16.72	species
Spillover freshwater biodiversity threats	0.00	spp./million	95.8	● ●	0.04	species
Domestic deforestation	2.30	%	1.0	● ↓	1.85 × 10 ⁵	hectares
Spillover deforestation	3.43 × 10 ⁻⁴	ha/capita	97.1	● ↓	4.26 × 10 ³	hectares
Red List Index of species survival	0.89	scale 0 to 1	70.5	● →	0.89	scale 0 to 1
Biodiversity Habitat Index	0.48	scale 0 to 1	28.5	● ●	0.48	scale 0 to 1
Domestic export of endangered terrestrial animals	1.57 × 10 ⁻⁷	WOE/million	100.0	● ●	2.00	WOE
Spillover endangered terrestrial animals	0.00	WOE/capita	100.0	● ●	0.00	WOE
Marine Biodiversity Loss						
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE
Unprotected marine biodiversity sites	69.28	%	31.4	● ↓	69.28	%
Domestic marine biodiversity threats	0.45	spp./million	40.9	● ●	5.64	species
Spillover marine biodiversity threats	0.00	spp./million	96.3	● ●	0.01	species
Fish caught from overexploited or collapsed stocks	11.75	%	81.3	● ↓	11.75	%
Fish caught by trawling	25.36	%	58.6	● ↓	25.36	%
Domestic vulnerable fisheries catch	169.07	tonnes/capita	1.0	● →	2.10	Tg
Spillover vulnerable fisheries catch	1.22	tonnes/capita	69.3	● ↓	0.02	tonnes
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.87	scale 0 to 1.4	25.5	● ↓	0.87	scale 0 to 1.4
Domestic nitrogen surplus	4.17	kg/capita	89.4	● ↗	47.70	Gg
Spillover nitrogen surplus	0.15	kg/capita	95.9	● ↓	1.72	Tg
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt
Spillover phosphorus fertilizer	2.04	g/capita	47.2	● ↓	25.31	kt
Water Cycle						
Domestic scarce water consumption	2.74	m ³ H ₂ O-eq./capita	50.9	● ↗	34.02	Mm ³ H ₂ O-eq.
Spillover scarce water consumption	13.90	m ³ H ₂ O-eq./capita	73.7	● ↓	227.22	Mm ³ H ₂ O-eq.
Domestic water stress	0.45	ML H ₂ O-eq./capita	46.7	● ↗	5.57	Bm ³ H ₂ O-eq.
Spillover water stress	0.91	m ³ H ₂ O-eq./capita	60.7	● ↓	14.86	Mm ³ H ₂ O-eq.

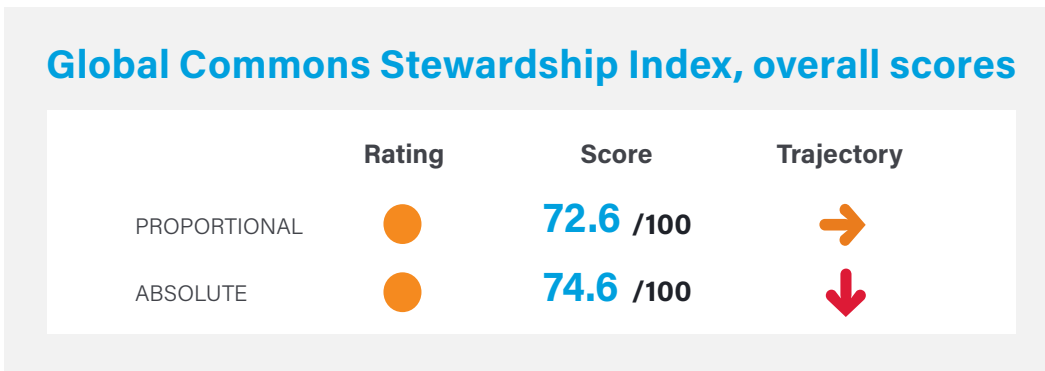
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Haiti

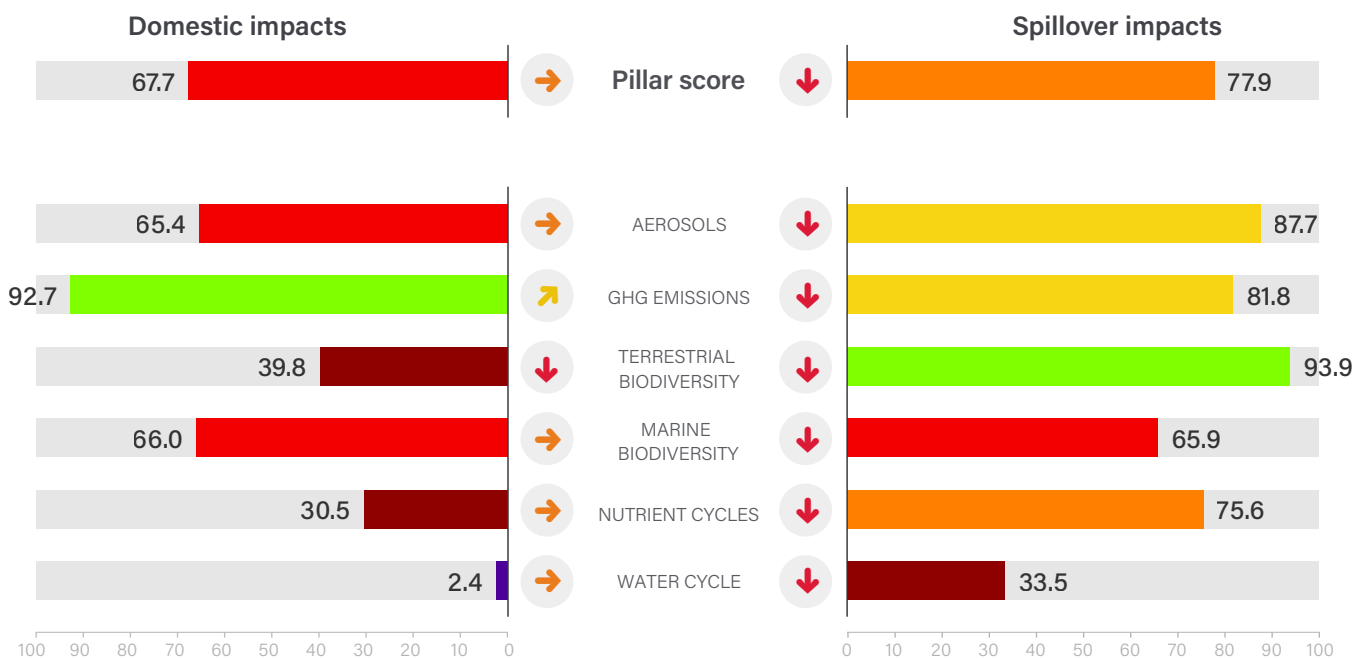
Latin America and Caribbean

Land area	27,560 sq. km	Population	11.4 million
GDP (PPP, constant 2017 US\$, billions)	\$31.6	GDP per capita	\$2,773
Human Development Index (HDI)	0.535	HDI category	Low



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

95–100	None or limited
90–95	Low
80–90	Medium-low
70–80	Medium-high
50–70	High
30–50	Very high
0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Haiti

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	1.91	kg/capita	82.0	●	↗	21.20 Gg 2018
Spillover SO ₂ emissions	1.15	kg/capita	87.1	●	↓	12.28 Gg 2015
Domestic NO _x emissions	4.42	kg/capita	100.0	●	↓	49.21 Gg 2018
Spillover NO _x emissions	1.20	kg/capita	83.1	●	↓	12.82 Gg 2015
Domestic black carbon emissions	0.83	kg/capita	34.1	●	→	9.19 Gg 2018
Spillover black carbon emissions	0.04	kg/capita	93.3	●	↓	0.38 Gg 2015
GHG Emissions						
Domestic GHG emissions	2.41	t CO ₂ e/capita	92.7	●	↗	2718 Tg 2019
Spillover GHG emissions	0.78	t CO ₂ e/capita	81.8	●	↓	8.68 Tg 2018
CO ₂ emissions embodied in fossil fuel exports	NA	t CO ₂ e/capita	NA	●	●	NA Tg NA
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	29.41	%	72.5	●	↓	29.41 % 2020
Unprotected freshwater biodiversity sites	0.00	%	100.0	●	●	0.00 % 2020
Domestic land use related biodiversity loss	2.54 × 10 ⁻¹¹	global PDF/capita	66.2	●	→	2.82 × 10 ⁻⁴ global PDF 2018
Spillover land use related biodiversity loss	3.73 × 10 ⁻¹²	global PDF/capita	80.7	●	↓	4.15 × 10 ⁻⁵ global PDF 2018
Domestic freshwater biodiversity threats	0.07	spp./million	60.4	●	●	0.77 species 2018
Spillover freshwater biodiversity threats	0.00	spp./million	100.0	●	●	0.01 species 2018
Domestic deforestation	0.49	%	62.9	●	↓	3.91 × 10 ³ hectares 2020
Spillover deforestation	3.99 × 10 ⁻⁴	ha/capita	96.3	●	↓	4.44 × 10 ³ hectares 2018
Red List Index of species survival	0.72	scale 0 to 1	16.4	●	↓	0.72 scale 0 to 1 2021
Biodiversity Habitat Index	0.37	scale 0 to 1	12.8	●	●	0.37 scale 0 to 1 2020
Domestic export of endangered terrestrial animals	NA	WOE/million	NA	●	●	NA WOE NA
Spillover endangered terrestrial animals	4.55 × 10 ⁻⁷	WOE/capita	100.0	●	●	5.00 WOE 2017
Marine Biodiversity Loss						
Domestic export of endangered marine animals	1.50 × 10 ⁻³	WOE/million	48.9	●	●	1.67 × 10 ⁴ WOE 2018
Spillover endangered marine animals	NA	WOE/capita	NA	●	●	NA WOE NA
Unprotected marine biodiversity sites	29.34	%	71.0	●	↓	29.34 % 2020
Domestic marine biodiversity threats	0.39	spp./million	42.8	●	●	4.39 species 2018
Spillover marine biodiversity threats	0.00	spp./million	76.0	●	●	0.03 species 2018
Fish caught from overexploited or collapsed stocks	7.69	%	87.8	●	↓	7.69 % 2018
Fish caught by trawling	0.00	%	100.0	●	●	0.00 % 2018
Domestic vulnerable fisheries catch	3.86	tonnes/capita	50.7	●	→	0.04 Tg 2018
Spillover vulnerable fisheries catch	2.53	tonnes/capita	57.1	●	↓	0.03 tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.94	scale 0 to 1.4	19.2	●	→	0.94 scale 0 to 1.4 2015
Domestic nitrogen surplus	1.64	kg/capita	96.6	●	↗	17.54 Gg 2015
Spillover nitrogen surplus	0.16	kg/capita	94.5	●	↓	1.73 Tg 2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	●	●	NA kt NA
Spillover phosphorus fertilizer	1.33	g/capita	60.5	●	↓	14.76 kt 2018
Water Cycle						
Domestic scarce water consumption	333.23	m ³ H ₂ O-eq./capita	1.0	●	→	3,706.53 Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	24.75	m ³ H ₂ O-eq./capita	58.7	●	↓	237.30 Mm ³ H ₂ O-eq. 2018
Domestic water stress	0.03	ML H ₂ O-eq./capita	82.5	●	↓	0.31 Bm ³ H ₂ O-eq. 2018
Spillover water stress	1.35	m ³ H ₂ O-eq./capita	50.4	●	↓	12.96 Mm ³ H ₂ O-eq. 2018

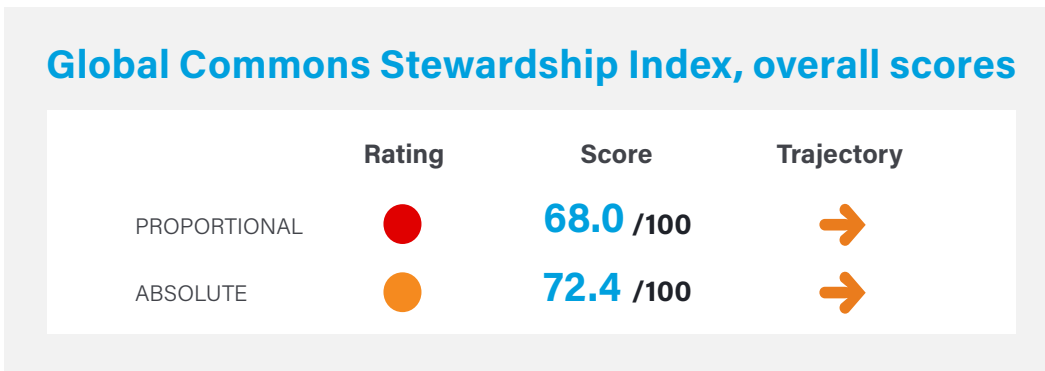
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Honduras

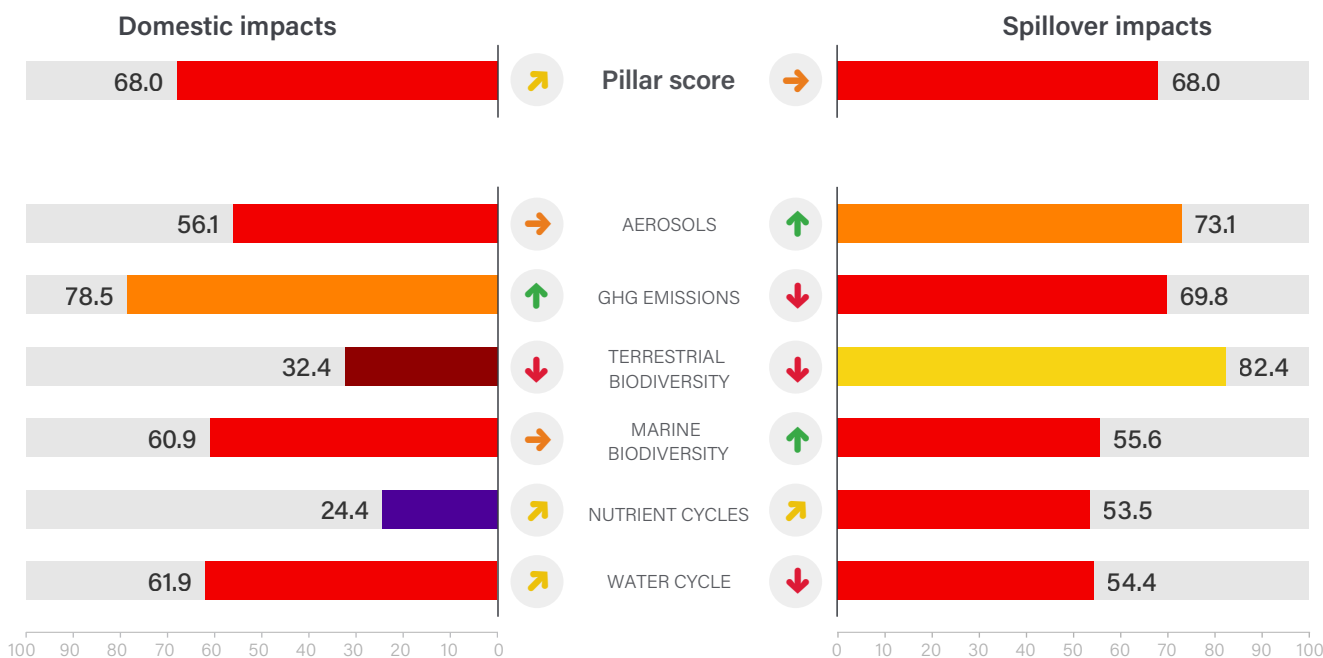
Latin America and Caribbean

Land area	111,890 sq. km	Population	9.9 million
GDP (PPP, constant 2017 US\$, billions)	\$50.9	GDP per capita	\$5,138
Human Development Index (HDI)	0.621	HDI category	Medium



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

■	95–100	None or limited
■	90–95	Low
■	80–90	Medium-low
■	70–80	Medium-high
■	50–70	High
■	30–50	Very high
■	0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Honduras

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	8.56	kg/capita	47.4	● →	82.04	Gg	2018
Spillover SO ₂ emissions	1.81	kg/capita	74.6	● ↑	16.49	Gg	2015
Domestic NO _x emissions	14.52	kg/capita	80.3	● →	139.19	Gg	2018
Spillover NO _x emissions	2.04	kg/capita	69.0	● ↑	18.56	Gg	2015
Domestic black carbon emissions	0.69	kg/capita	46.2	● ↓	6.64	Gg	2018
Spillover black carbon emissions	0.07	kg/capita	75.9	● ↑	0.61	Gg	2015
GHG Emissions							
Domestic GHG emissions	3.48	t CO ₂ e/capita	78.5	● ↑	33.90	Tg	2019
Spillover GHG emissions	1.19	t CO ₂ e/capita	69.8	● ↓	11.46	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	NA	t CO ₂ e/capita	NA	● ●	NA	Tg	NA
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	72.34	%	29.0	● ↓	72.34	%	2020
Unprotected freshwater biodiversity sites	99.45	%	1.6	● ↓	99.45	%	2020
Domestic land use related biodiversity loss	2.74 × 10 ⁻¹¹	global PDF/capita	63.6	● →	2.63 × 10 ⁻⁴	global PDF	2018
Spillover land use related biodiversity loss	4.70 × 10 ⁻¹²	global PDF/capita	74.9	● ↓	4.51 × 10 ⁻⁵	global PDF	2018
Domestic freshwater biodiversity threats	0.16	spp./million	49.5	● ●	1.49	species	2018
Spillover freshwater biodiversity threats	0.02	spp./million	68.6	● ●	0.15	species	2018
Domestic deforestation	1.08	%	18.7	● ↓	8.18 × 10 ⁴	hectares	2020
Spillover deforestation	8.46 × 10 ⁻⁴	ha/capita	89.7	● ↓	8.11 × 10 ³	hectares	2018
Red List Index of species survival	0.74	scale 0 to 1	23.8	● ↓	0.74	scale 0 to 1	2021
Biodiversity Habitat Index	0.44	scale 0 to 1	22.7	● ●	0.44	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	2.05 × 10 ⁻⁷	WOE/million	100.0	● ●	2.00	WOE	2019
Spillover endangered terrestrial animals	1.44 × 10 ⁻⁶	WOE/capita	100.0	● ●	1.40 × 10	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE	2019
Spillover endangered marine animals	1.03 × 10 ⁻⁶	WOE/capita	99.9	● ●	1.00 × 10	WOE	2019
Unprotected marine biodiversity sites	41.01	%	59.4	● ↓	41.01	%	2020
Domestic marine biodiversity threats	1.29	spp./million	26.4	● ●	12.40	species	2018
Spillover marine biodiversity threats	0.14	spp./million	26.7	● ●	1.31	species	2018
Fish caught from overexploited or collapsed stocks	13.59	%	78.3	● →	13.59	%	2018
Fish caught by trawling	0.00	%	100.0	● ↓	0.00	%	2018
Domestic vulnerable fisheries catch	1.92	tonnes/capita	59.8	● ↗	0.02	Tg	2018
Spillover vulnerable fisheries catch	1.64	tonnes/capita	64.4	● ↑	0.02	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	1.04	scale 0 to 1.4	10.7	● →	1.04	scale 0 to 1.4	2015
Domestic nitrogen surplus	6.48	kg/capita	82.7	● ↑	59.02	Gg	2015
Spillover nitrogen surplus	1.51	kg/capita	52.1	● →	13.77	Tg	2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt	NA
Spillover phosphorus fertilizer	1.59	g/capita	55.0	● ↑	15.21	kt	2018
Water Cycle							
Domestic scarce water consumption	1.14	m ³ H ₂ O-eq./capita	60.8	● ↗	10.88	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	35.79	m ³ H ₂ O-eq./capita	49.1	● ↓	146.29	Mm ³ H ₂ O-eq.	2018
Domestic water stress	0.10	ML H ₂ O-eq./capita	66.6	● ↗	0.92	Bm ³ H ₂ O-eq.	2018
Spillover water stress	1.28	m ³ H ₂ O-eq./capita	51.7	● ↓	5.25	Mm ³ H ₂ O-eq.	2018

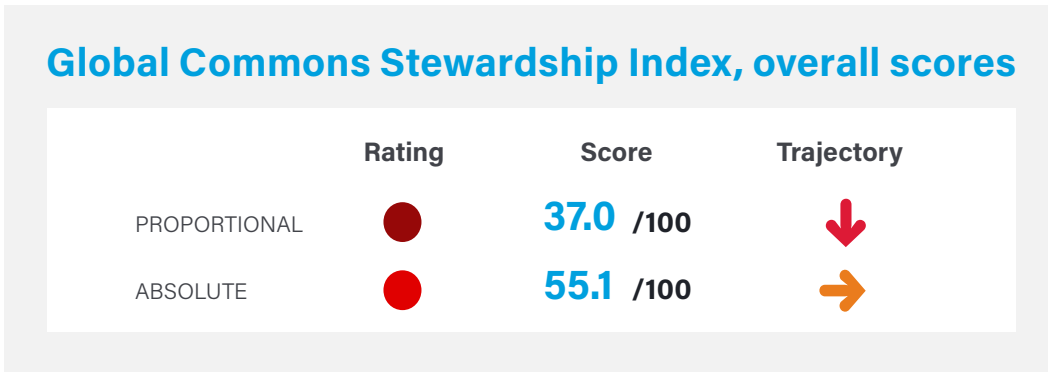
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Hungary

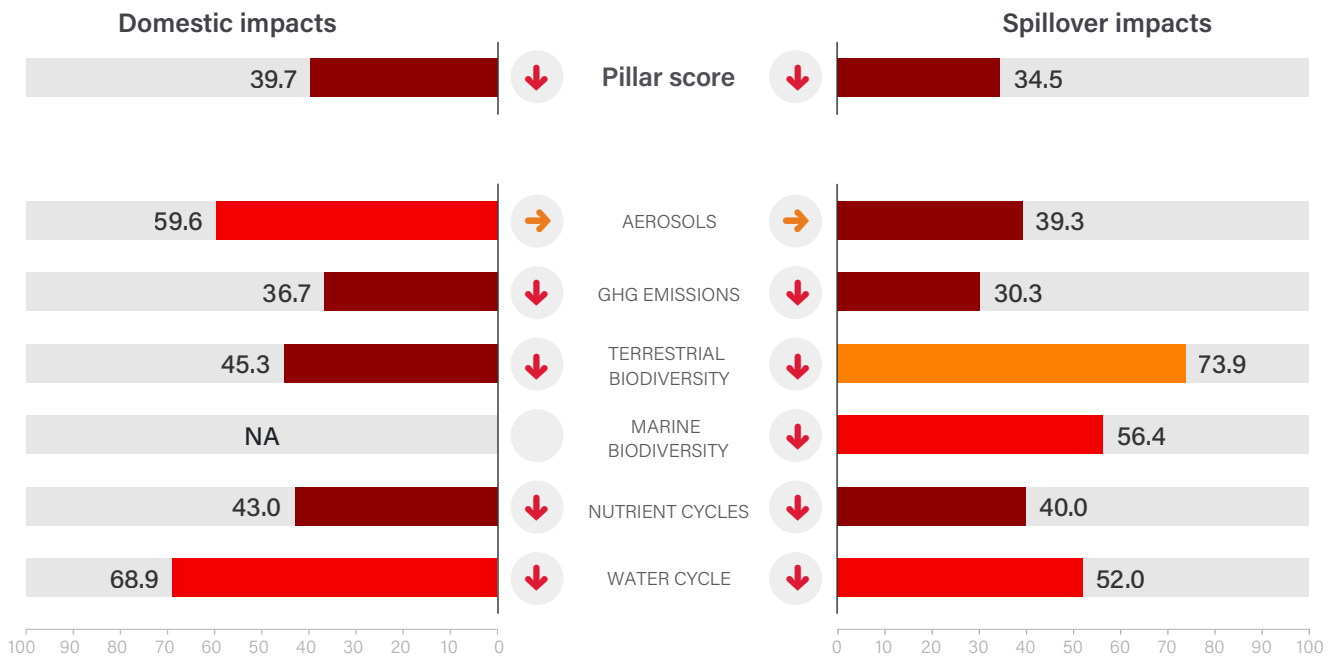
OECD Member

Land area	91,260 sq. km	Population	9.7 million
GDP (PPP, constant 2017 US\$, billions)	\$302.3	GDP per capita	\$31,008
Human Development Index (HDI)	0.846	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories



The Global Commons Stewardship Index

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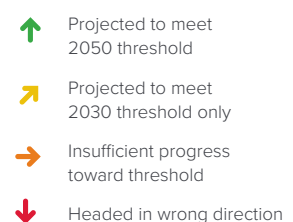
Dashboard categories

Negative impacts on the Global Commons



Trajectories

Based on 5-year growth rates



Hungary

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	9.11	kg/capita	46.0	● →	89.04	Gg 2018
Spillover SO ₂ emissions	6.79	kg/capita	38.1	● →	66.80	Gg 2015
Domestic NO _x emissions	13.40	kg/capita	82.6	● ↓	131.01	Gg 2018
Spillover NO _x emissions	7.61	kg/capita	34.0	● →	74.93	Gg 2015
Domestic black carbon emissions	0.59	kg/capita	55.7	● ↓	5.75	Gg 2018
Spillover black carbon emissions	0.19	kg/capita	46.7	● →	1.88	Gg 2015
GHG Emissions						
Domestic GHG emissions	8.55	t CO ₂ e/capita	43.6	● ↓	83.58	Tg 2019
Spillover GHG emissions	4.89	t CO ₂ e/capita	30.3	● ↓	47.76	Tg 2018
CO ₂ emissions embodied in fossil fuel exports	0.44	t CO ₂ e/capita	21.9	● ●	4.26	Tg 2020
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	82.81	%	18.4	● ↓	82.81	% 2020
Unprotected freshwater biodiversity sites	84.84	%	16.7	● ↓	84.84	% 2020
Domestic land use related biodiversity loss	2.72 × 10 ⁻¹²	global PDF/capita	96.4	● ↓	2.66 × 10 ⁻⁵	global PDF 2018
Spillover land use related biodiversity loss	3.10 × 10 ⁻¹²	global PDF/capita	84.5	● ↓	3.04 × 10 ⁻⁵	global PDF 2018
Domestic freshwater biodiversity threats	0.28	spp./million	41.3	● ●	2.76	species 2018
Spillover freshwater biodiversity threats	0.07	spp./million	44.0	● ●	0.64	species 2018
Domestic deforestation	0.65	%	51.1	● ↓	1.30 × 10 ⁴	hectares 2020
Spillover deforestation	1.32 × 10 ⁻³	ha/capita	82.7	● ↓	1.29 × 10 ⁴	hectares 2018
Red List Index of species survival	0.86	scale 0 to 1	61.8	● →	0.86	scale 0 to 1 2021
Biodiversity Habitat Index	0.25	scale 0 to 1	1.0	● ●	0.25	scale 0 to 1 2020
Domestic export of endangered terrestrial animals	0.00	WOE/million	100.0	● ●	0.00	WOE 2019
Spillover endangered terrestrial animals	2.36 × 10 ⁻⁴	WOE/capita	97.2	● ●	2.30 × 10 ³	WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	NA	WOE/million	NA	● ●	NA	WOE NA
Spillover endangered marine animals	1.66 × 10 ⁻⁴	WOE/capita	89.4	● ●	1.63 × 10 ³	WOE 2019
Unprotected marine biodiversity sites	NA	%	NA	● ●	NA	% NA
Domestic marine biodiversity threats	NA	spp./million	NA	● ●	NA	species NA
Spillover marine biodiversity threats	0.03	spp./million	47.0	● ●	0.27	species 2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	● ●	NA	% NA
Fish caught by trawling	NA	%	NA	● ●	NA	% NA
Domestic vulnerable fisheries catch	NA	tonnes/capita	NA	● ●	NA	Tg NA
Spillover vulnerable fisheries catch	5.98	tonnes/capita	42.8	● ↓	0.06	tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.35	scale 0 to 1.4	70.3	● ↓	0.35	scale 0 to 1.4 2015
Domestic nitrogen surplus	17.26	kg/capita	51.6	● ↓	169.93	Gg 2015
Spillover nitrogen surplus	3.45	kg/capita	36.4	● ↓	33.99	Tg 2015
Domestic phosphorus fertilizer	11.98	kg/capita	26.0	● ↓	117.15	kt 2018
Spillover phosphorus fertilizer	2.27	g/capita	43.9	● ↓	22.19	kt 2018
Water Cycle						
Domestic scarce water consumption	0.67	m ³ H ₂ O-eq./capita	66.7	● ↓	6.54	Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	52.82	m ³ H ₂ O-eq./capita	39.0	● ↓	587.50	Mm ³ H ₂ O-eq. 2018
Domestic water stress	0.04	ML H ₂ O-eq./capita	78.5	● ↓	0.37	Bm ³ H ₂ O-eq. 2018
Spillover water stress	3.12	m ³ H ₂ O-eq./capita	28.8	● ↓	34.72	Mm ³ H ₂ O-eq. 2018

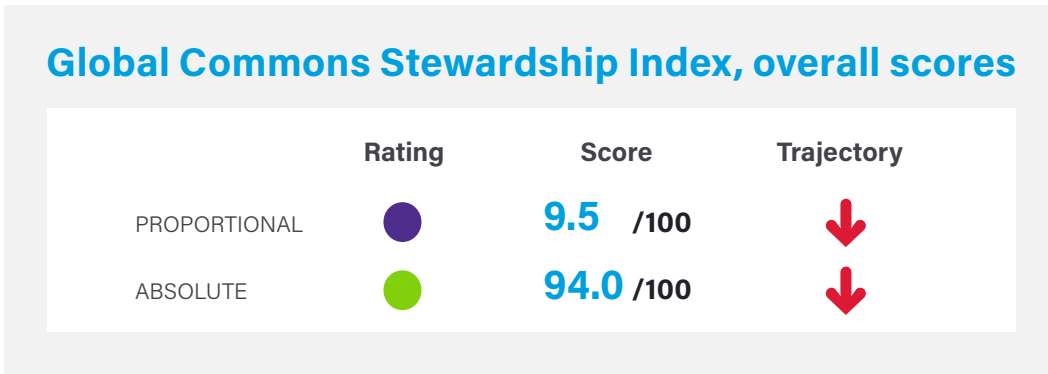
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Iceland

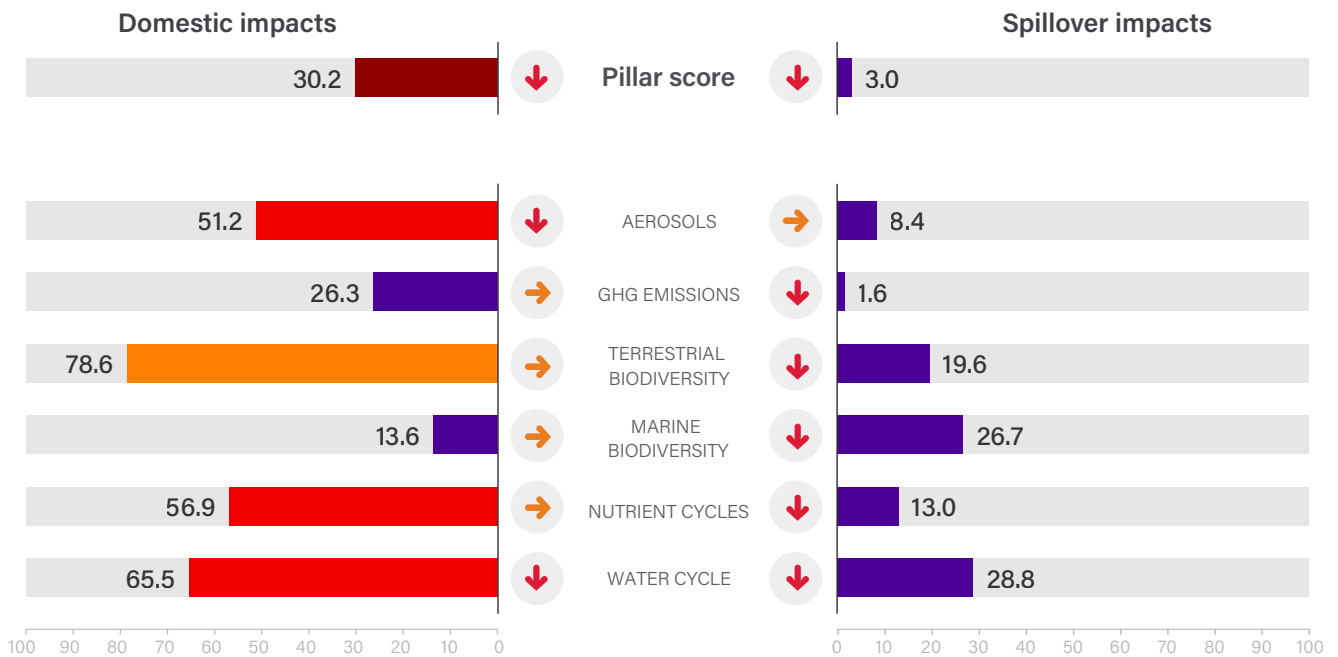
OECD Member

Land area	100,830 sq. km	Population	0.4 million
GDP (PPP, constant 2017 US\$, billions)	\$19.2	GDP per capita	\$52,381
Human Development Index (HDI)	0.959	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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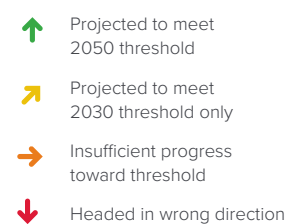
Dashboard categories

Negative impacts on the Global Commons



Trajectories

Based on 5-year growth rates



Iceland

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	24.25	kg/capita	23.5			8.55 Gg 2018
Spillover SO ₂ emissions	16.63	kg/capita	13.4			5.50 Gg 2015
Domestic NO _x emissions	16.33	kg/capita	76.6			5.76 Gg 2018
Spillover NO _x emissions	23.17	kg/capita	4.4			7.67 Gg 2015
Domestic black carbon emissions	0.38	kg/capita	74.7			0.13 Gg 2018
Spillover black carbon emissions	0.72	kg/capita	10.1			0.24 Gg 2015
GHG Emissions						
Domestic GHG emissions	13.38	t CO ₂ e/capita	26.3			4.82 Tg 2019
Spillover GHG emissions	13.55	t CO ₂ e/capita	1.6			4.78 Tg 2018
CO ₂ emissions embodied in fossil fuel exports	NA	t CO ₂ e/capita	NA			NA Tg NA
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	19.08	%	83.0			19.08 % 2020
Unprotected freshwater biodiversity sites	35.85	%	67.3			35.85 % 2020
Domestic land use related biodiversity loss	5.35 × 10 ⁻¹⁴	global PDF/capita	100.0			1.89 × 10 ⁻⁸ global PDF 2018
Spillover land use related biodiversity loss	1.34 × 10 ⁻¹¹	global PDF/capita	22.6			4.73 × 10 ⁻⁶ global PDF 2018
Domestic freshwater biodiversity threats	0.02	spp./million	78.3			0.01 species 2018
Spillover freshwater biodiversity threats	0.02	spp./million	64.9			0.01 species 2018
Domestic deforestation	NA	%	NA			NA hectares NA
Spillover deforestation	8.48 × 10 ⁻³	ha/capita	1.0			2.99 × 10 ³ hectares 2018
Red List Index of species survival	0.87	scale 0 to 1	62.1			0.87 scale 0 to 1 2021
Biodiversity Habitat Index	0.74	scale 0 to 1	64.8			0.74 scale 0 to 1 2020
Domestic export of endangered terrestrial animals	0.00	WOE/million	100.0			0.00 WOE 2019
Spillover endangered terrestrial animals	5.55 × 10 ⁻⁶	WOE/capita	99.9			2.00 WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	0.00	WOE/million	100.0			0.00 WOE 2019
Spillover endangered marine animals	8.32 × 10 ⁻⁶	WOE/capita	99.5			3.00 WOE 2019
Unprotected marine biodiversity sites	15.21	%	84.9			15.21 % 2020
Domestic marine biodiversity threats	10.71	spp./million	1.0			3.61 species 2018
Spillover marine biodiversity threats	0.00	spp./million	100.0			0.00 species 2018
Fish caught from overexploited or collapsed stocks	27.09	%	56.8			27.09 % 2018
Fish caught by trawling	25.99	%	57.6			25.99 % 2018
Domestic vulnerable fisheries catch	3,405.32	tonnes/capita	1.0			1.20 Tg 2018
Spillover vulnerable fisheries catch	69.27	tonnes/capita	1.9			0.02 tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.64	scale 0 to 1.4	45.6			0.64 scale 0 to 1.4 2015
Domestic nitrogen surplus	0.02	kg/capita	100.0			0.01 Gg 2015
Spillover nitrogen surplus	12.85	kg/capita	11.5			4.25 Tg 2015
Domestic phosphorus fertilizer	NA	kg/capita	NA			NA kt NA
Spillover phosphorus fertilizer	5.82	g/capita	14.7			2.05 kt 2018
Water Cycle						
Domestic scarce water consumption	0.87	m ³ H ₂ O-eq./capita	63.8			0.31 Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	31.01	m ³ H ₂ O-eq./capita	52.8			303.16 Mm ³ H ₂ O-eq. 2018
Domestic water stress	0.06	ML H ₂ O-eq./capita	72.9			0.02 Bm ³ H ₂ O-eq. 2018
Spillover water stress	1.31	m ³ H ₂ O-eq./capita	51.3			12.79 Mm ³ H ₂ O-eq. 2018

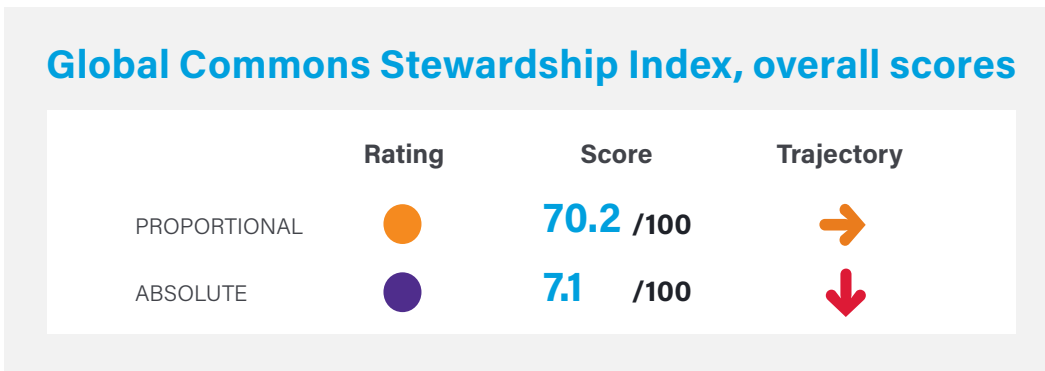
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

India

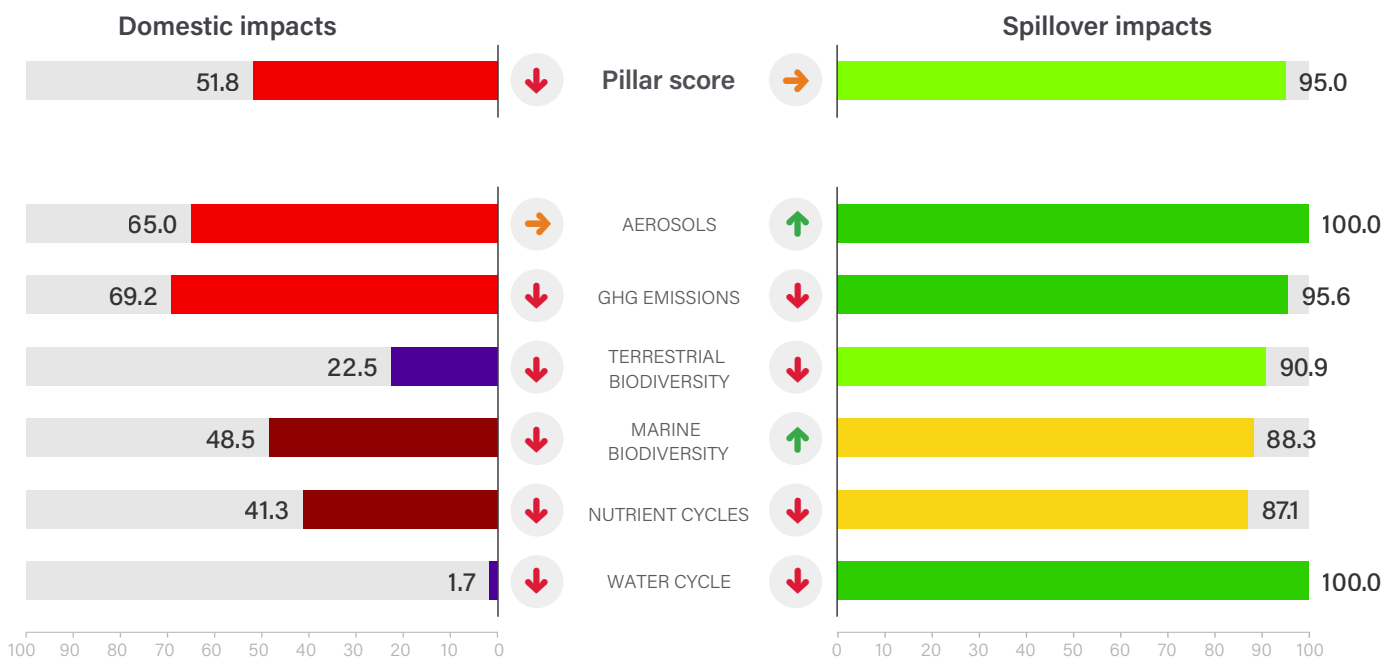
East and South Asia

Land area	2,973,190 sq. km	Population	1,380.0 million
GDP (PPP, constant 2017 US\$, billions)	\$8,443.4	GDP per capita	\$6,118
Human Development Index (HDI)	0.633	HDI category	Medium



Impacts by pillar and sub-pillar

Proportional scores and trajectories

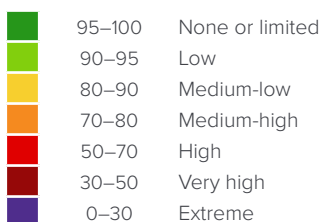


The Global Commons Stewardship Index

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Dashboard categories

Negative impacts on the Global Commons



Trajectories

Based on 5-year growth rates



India

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	9.02	kg/capita	46.2	● ↓	12,195.06	Gg 2018
Spillover SO ₂ emissions	0.66	kg/capita	100.0	● ↑	863.56	Gg 2015
Domestic NO _x emissions	7.22	kg/capita	95.2	● ↓	9,768.12	Gg 2018
Spillover NO _x emissions	0.63	kg/capita	100.0	● ↑	830.81	Gg 2015
Domestic black carbon emissions	0.52	kg/capita	62.2	● →	696.99	Gg 2018
Spillover black carbon emissions	0.03	kg/capita	100.0	● ↑	35.01	Gg 2015
GHG Emissions						
Domestic GHG emissions	3.52	t CO ₂ e/capita	78.1	● ↓	4,803.38	Tg 2019
Spillover GHG emissions	0.48	t CO ₂ e/capita	95.6	● ↓	643.83	Tg 2018
CO ₂ emissions embodied in fossil fuel exports	0.00	t CO ₂ e/capita	48.2	● ●	1.91	Tg 2020
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	20.72	%	81.4	● ↓	20.72	% 2020
Unprotected freshwater biodiversity sites	18.92	%	84.8	● ↓	18.92	% 2020
Domestic land use related biodiversity loss	2.54 × 10 ⁻¹²	global PDF/capita	96.6	● →	3.43 × 10 ⁻³	global PDF 2018
Spillover land use related biodiversity loss	5.03 × 10 ⁻¹³	global PDF/capita	100.0	● ↓	6.81 × 10 ⁻⁴	global PDF 2018
Domestic freshwater biodiversity threats	0.19	spp./million	46.8	● ●	256.62	species 2018
Spillover freshwater biodiversity threats	0.02	spp./million	68.3	● ●	21.01	species 2018
Domestic deforestation	0.37	%	72.1	● ↓	1.28 × 10 ⁵	hectares 2020
Spillover deforestation	1.45 × 10 ⁻⁴	ha/capita	100.0	● ↓	1.96 × 10 ⁵	hectares 2018
Red List Index of species survival	0.67	scale 0 to 1	2.4	● ↓	0.67	scale 0 to 1 2021
Biodiversity Habitat Index	0.31	scale 0 to 1	3.1	● ●	0.31	scale 0 to 1 2020
Domestic export of endangered terrestrial animals	0.00	WOE/million	100.0	● ●	0.00	WOE 2019
Spillover endangered terrestrial animals	3.66 × 10 ⁻⁹	WOE/capita	100.0	● ●	5.00	WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE 2019
Spillover endangered marine animals	3.01 × 10 ⁻⁶	WOE/capita	99.8	● ●	4.11 × 10 ³	WOE 2019
Unprotected marine biodiversity sites	19.18	%	81.0	● ↓	19.18	% 2020
Domestic marine biodiversity threats	0.06	spp./million	68.7	● ●	82.22	species 2018
Spillover marine biodiversity threats	0.00	spp./million	68.9	● ●	6.71	species 2018
Fish caught from overexploited or collapsed stocks	7.43	%	88.2	● ↓	7.43	% 2018
Fish caught by trawling	54.94	%	10.1	● ↓	54.94	% 2018
Domestic vulnerable fisheries catch	6.05	tonnes/capita	44.8	● ↓	8.18	Tg 2018
Spillover vulnerable fisheries catch	0.15	tonnes/capita	100.0	● ↑	0.21	tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.89	scale 0 to 1.4	23.8	● →	0.89	scale 0 to 1.4 2015
Domestic nitrogen surplus	15.11	kg/capita	57.8	● ↓	19,801.58	Gg 2015
Spillover nitrogen surplus	0.43	kg/capita	75.9	● ↓	565.71	Tg 2015
Domestic phosphorus fertilizer	5.15	kg/capita	48.6	● ↓	6,967.90	kt 2018
Spillover phosphorus fertilizer	0.20	g/capita	100.0	● ↓	270.02	kt 2018
Water Cycle						
Domestic scarce water consumption	281.48	m ³ H ₂ O-eq./capita	1.0	● ↓	380,747.41	Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	25.92	m ³ H ₂ O-eq./capita	57.5	● ↓	6,937.13	Mm ³ H ₂ O-eq. 2018
Domestic water stress	6.27	ML H ₂ O-eq./capita	12.7	● ↓	8,483.66	Bm ³ H ₂ O-eq. 2018
Spillover water stress	0.44	m ³ H ₂ O-eq./capita	79.5	● ↓	117.59	Mm ³ H ₂ O-eq. 2018

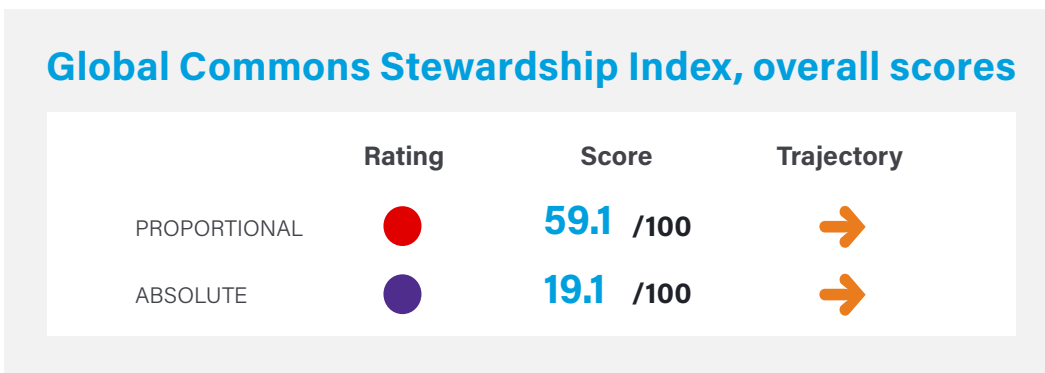
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Indonesia

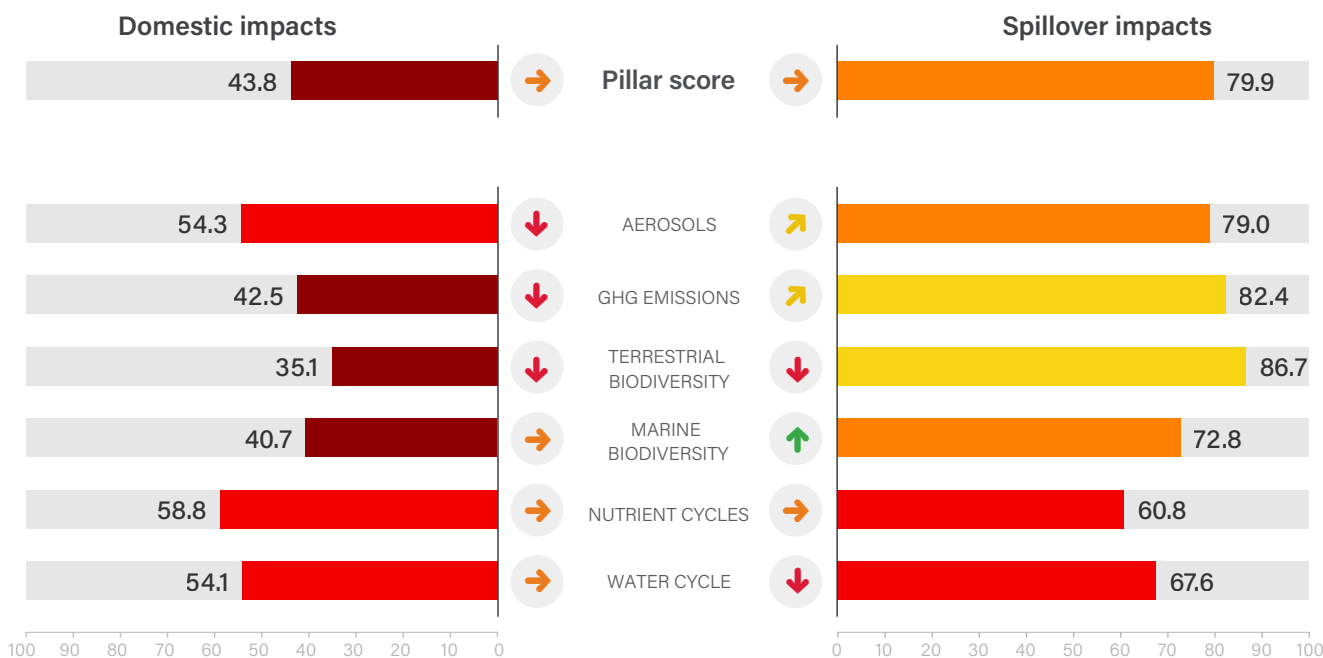
East and South Asia

Land area	1,877,519 sq. km	Population	273.5 million
GDP (PPP, constant 2017 US\$, billions)	\$3,130.5	GDP per capita	\$11,445
Human Development Index (HDI)	0.705	HDI category	High



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

■	95–100	None or limited
■	90–95	Low
■	80–90	Medium-low
■	70–80	Medium-high
■	50–70	High
■	30–50	Very high
■	0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Indonesia

Performance by Indicator

Indicator	Proportional		Score	Absolute		Year
	Value	Units		Value	Units	
Aerosols						
Domestic SO ₂ emissions	10.88	kg/capita	41.9	● ↓	2,911.88	Gg 2018
Spillover SO ₂ emissions	1.40	kg/capita	81.7	● ↑	360.78	Gg 2015
Domestic NO _x emissions	10.27	kg/capita	89.0	● ↓	2,749.05	Gg 2018
Spillover NO _x emissions	1.40	kg/capita	78.9	● ↗	362.82	Gg 2015
Domestic black carbon emissions	0.73	kg/capita	43.0	● ↓	194.95	Gg 2018
Spillover black carbon emissions	0.07	kg/capita	76.4	● ↑	16.92	Gg 2015
GHG Emissions						
Domestic GHG emissions	5.16	t CO ₂ e/capita	63.2	● ↓	1,397.35	Tg 2019
Spillover GHG emissions	0.76	t CO ₂ e/capita	82.4	● ↗	204.44	Tg 2018
CO ₂ emissions embodied in fossil fuel exports	3.12	t CO ₂ e/capita	13.0	● ●	853.69	Tg 2020
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	25.91	%	76.1	● ↓	25.91	% 2020
Unprotected freshwater biodiversity sites	39.00	%	64.0	● ↓	39.00	% 2020
Domestic land use related biodiversity loss	1.80 × 10 ⁻¹¹	global PDF/capita	76.1	● ↓	4.82 × 10 ⁻³	global PDF 2018
Spillover land use related biodiversity loss	1.29 × 10 ⁻¹²	global PDF/capita	95.3	● ↓	3.45 × 10 ⁻⁴	global PDF 2018
Domestic freshwater biodiversity threats	0.32	spp./million	39.6	● ●	86.06	species 2018
Spillover freshwater biodiversity threats	0.02	spp./million	61.2	● ●	6.34	species 2018
Domestic deforestation	0.70	%	47.7	● →	110 × 10 ⁶	hectares 2020
Spillover deforestation	2.36 × 10 ⁻⁴	ha/capita	98.7	● ↓	6.31 × 10 ⁴	hectares 2018
Red List Index of species survival	0.76	scale 0 to 1	28.5	● ↓	0.76	scale 0 to 1 2021
Biodiversity Habitat Index	0.51	scale 0 to 1	32.8	● ●	0.51	scale 0 to 1 2020
Domestic export of endangered terrestrial animals	9.50 × 10 ⁻³	WOE/million	1.0	● ●	2.57 × 10 ⁶	WOE 2019
Spillover endangered terrestrial animals	1.46 × 10 ⁻⁴	WOE/capita	98.3	● ●	3.95 × 10 ⁴	WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	7.20 × 10 ⁻⁴	WOE/million	75.5	● ●	1.95 × 10 ⁵	WOE 2019
Spillover endangered marine animals	2.96 × 10 ⁻⁷	WOE/capita	100.0	● ●	8.00 × 10	WOE 2019
Unprotected marine biodiversity sites	25.53	%	74.7	● ↓	25.53	% 2020
Domestic marine biodiversity threats	1.32	spp./million	26.1	● ●	352.85	species 2018
Spillover marine biodiversity threats	0.02	spp./million	50.7	● ●	5.59	species 2018
Fish caught from overexploited or collapsed stocks	16.69	%	73.4	● →	16.69	% 2018
Fish caught by trawling	38.26	%	37.4	● ↓	38.26	% 2018
Domestic vulnerable fisheries catch	47.50	tonnes/capita	17.7	● →	12.72	Tg 2018
Spillover vulnerable fisheries catch	0.81	tonnes/capita	76.1	● ↑	0.22	tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.69	scale 0 to 1.4	41.2	● →	0.69	scale 0 to 1.4 2015
Domestic nitrogen surplus	8.38	kg/capita	77.2	● →	2,164.22	Gg 2015
Spillover nitrogen surplus	1.17	kg/capita	56.9	● ↓	303.22	Tg 2015
Domestic phosphorus fertilizer	3.05	kg/capita	62.6	● ↓	816.68	kt 2018
Spillover phosphorus fertilizer	1.15	g/capita	64.9	● ↗	307.62	kt 2018
Water Cycle						
Domestic scarce water consumption	1.04	m ³ H ₂ O-eq./capita	61.8	● ↗	278.42	Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	3.73	m ³ H ₂ O-eq./capita	100.0	● ↓	5,040.21	Mm ³ H ₂ O-eq. 2018
Domestic water stress	1.44	ML H ₂ O-eq./capita	31.7	● →	385.51	Bm ³ H ₂ O-eq. 2018
Spillover water stress	0.15	m ³ H ₂ O-eq./capita	100.0	● ↓	201.03	Mm ³ H ₂ O-eq. 2018

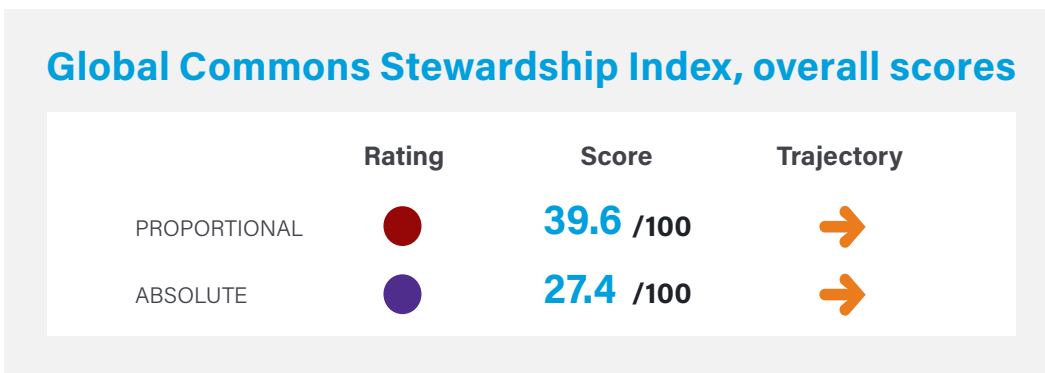
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Iran

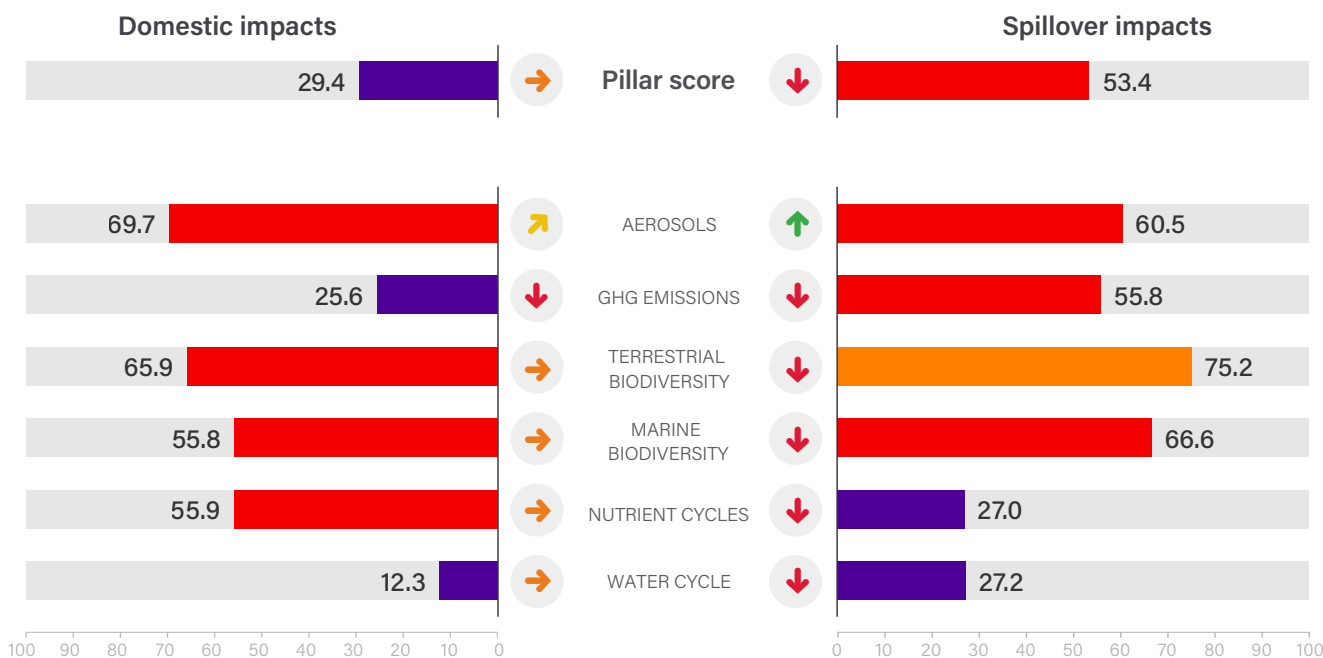
Middle East and North Africa

Land area	1,628,760 sq. km	Population	84.0 million
GDP (PPP, constant 2017 US\$, billions)	\$1,044.3	GDP per capita	\$12,433
Human Development Index (HDI)	0.774	HDI category	High



Impacts by pillar and sub-pillar

Proportional scores and trajectories



The Global Commons Stewardship Index

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Dashboard categories

Negative impacts on the Global Commons



Trajectories

Based on 5-year growth rates



Iran

Performance by Indicator

Indicator	Proportional		Score			Absolute		Year
	Value	Units				Value	Units	
Aerosols								
Domestic SO ₂ emissions	7.65	kg/capita	50.0	●	↑	626.15	Gg	2018
Spillover SO ₂ emissions	3.00	kg/capita	60.6	●	↑	235.67	Gg	2015
Domestic NO _x emissions	19.38	kg/capita	70.4	●	→	1,585.25	Gg	2018
Spillover NO _x emissions	2.98	kg/capita	58.9	●	↑	233.94	Gg	2015
Domestic black carbon emissions	0.14	kg/capita	96.1	●	↑	11.46	Gg	2018
Spillover black carbon emissions	0.11	kg/capita	61.9	●	↑	8.67	Gg	2015
GHG Emissions								
Domestic GHG emissions	11.01	t CO ₂ e/capita	33.8	●	↓	912.83	Tg	2019
Spillover GHG emissions	1.97	t CO ₂ e/capita	55.8	●	↓	160.80	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	4.73	t CO ₂ e/capita	11.1	●	●	386.64	Tg	2018
Terrestrial Biodiversity Loss								
Unprotected terrestrial biodiversity sites	43.60	%	58.2	●	↓	43.60	%	2020
Unprotected freshwater biodiversity sites	36.66	%	66.4	●	↓	36.66	%	2020
Domestic land use related biodiversity loss	2.72 × 10 ⁻¹²	global PDF/capita	96.4	●	→	2.23 × 10 ⁻⁴	global PDF	2018
Spillover land use related biodiversity loss	5.51 × 10 ⁻¹²	global PDF/capita	70.0	●	↓	4.51 × 10 ⁻⁴	global PDF	2018
Domestic freshwater biodiversity threats	0.21	spp./million	45.7	●	●	16.80	species	2018
Spillover freshwater biodiversity threats	0.02	spp./million	60.4	●	●	2.04	species	2018
Domestic deforestation	0.00	%	100.0	●	↑	4.52 × 10 ⁻¹	hectares	2020
Spillover deforestation	1.79 × 10 ⁻³	ha/capita	75.8	●	↓	1.47 × 10 ⁵	hectares	2018
Red List Index of species survival	0.84	scale 0 to 1	53.0	●	↓	0.84	scale 0 to 1	2021
Biodiversity Habitat Index	0.45	scale 0 to 1	23.3	●	●	0.45	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	6.03 × 10 ⁻⁸	WOE/million	100.0	●	●	5.00	WOE	2019
Spillover endangered terrestrial animals	1.02 × 10 ⁻⁶	WOE/capita	100.0	●	●	8.45 × 10	WOE	2019
Marine Biodiversity Loss								
Domestic export of endangered marine animals	0.00	WOE/million	100.0	●	●	0.00	WOE	2019
Spillover endangered marine animals	2.34 × 10 ⁻⁵	WOE/capita	98.5	●	●	1.94 × 10 ³	WOE	2019
Unprotected marine biodiversity sites	68.00	%	32.7	●	↓	68.00	%	2020
Domestic marine biodiversity threats	0.16	spp./million	55.3	●	●	13.16	species	2018
Spillover marine biodiversity threats	0.02	spp./million	53.8	●	●	1.34	species	2018
Fish caught from overexploited or collapsed stocks	14.43	%	77.0	●	→	14.43	%	2018
Fish caught by trawling	1.38	%	98.0	●	↑	1.38	%	2018
Domestic vulnerable fisheries catch	13.56	tonnes/capita	34.2	●	↓	1.11	Tg	2018
Spillover vulnerable fisheries catch	2.75	tonnes/capita	55.8	●	↓	0.23	tonnes	2018
Nutrient Cycles								
Sustainable Nitrogen Management Index	0.85	scale 0 to 1.4	27.5	●	↓	0.85	scale 0 to 1.4	2015
Domestic nitrogen surplus	13.47	kg/capita	62.6	●	↓	1,057.30	Gg	2015
Spillover nitrogen surplus	1.17	kg/capita	57.0	●	↓	92.02	Tg	2015
Domestic phosphorus fertilizer	1.20	kg/capita	87.6	●	↑	97.97	kt	2018
Spillover phosphorus fertilizer	6.18	g/capita	12.8	●	↓	505.71	kt	2018
Water Cycle								
Domestic scarce water consumption	32.56	m ³ H ₂ O-eq./capita	23.1	●	→	2,663.05	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	68.60	m ³ H ₂ O-eq./capita	32.2	●	↓	333.92	Mm ³ H ₂ O-eq.	2018
Domestic water stress	22.57	ML H ₂ O-eq./capita	1.0	●	→	1,845.91	Bm ³ H ₂ O-eq.	2018
Spillover water stress	2.65	m ³ H ₂ O-eq./capita	33.0	●	↓	12.89	Mm ³ H ₂ O-eq.	2018

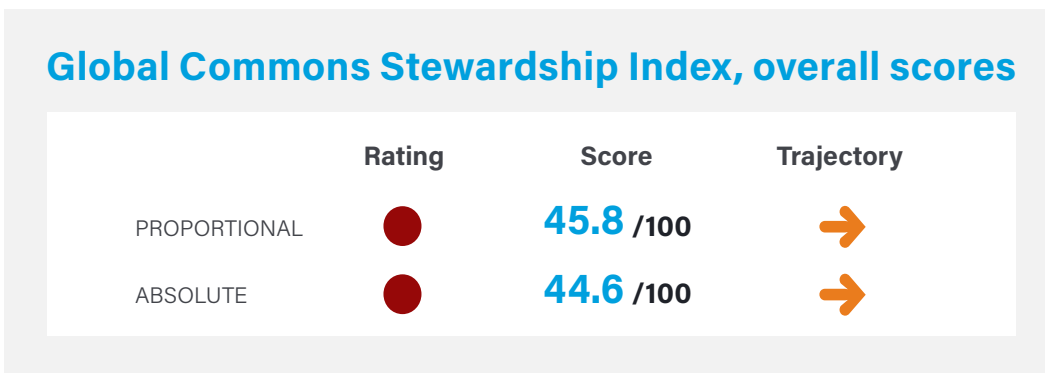
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Iraq

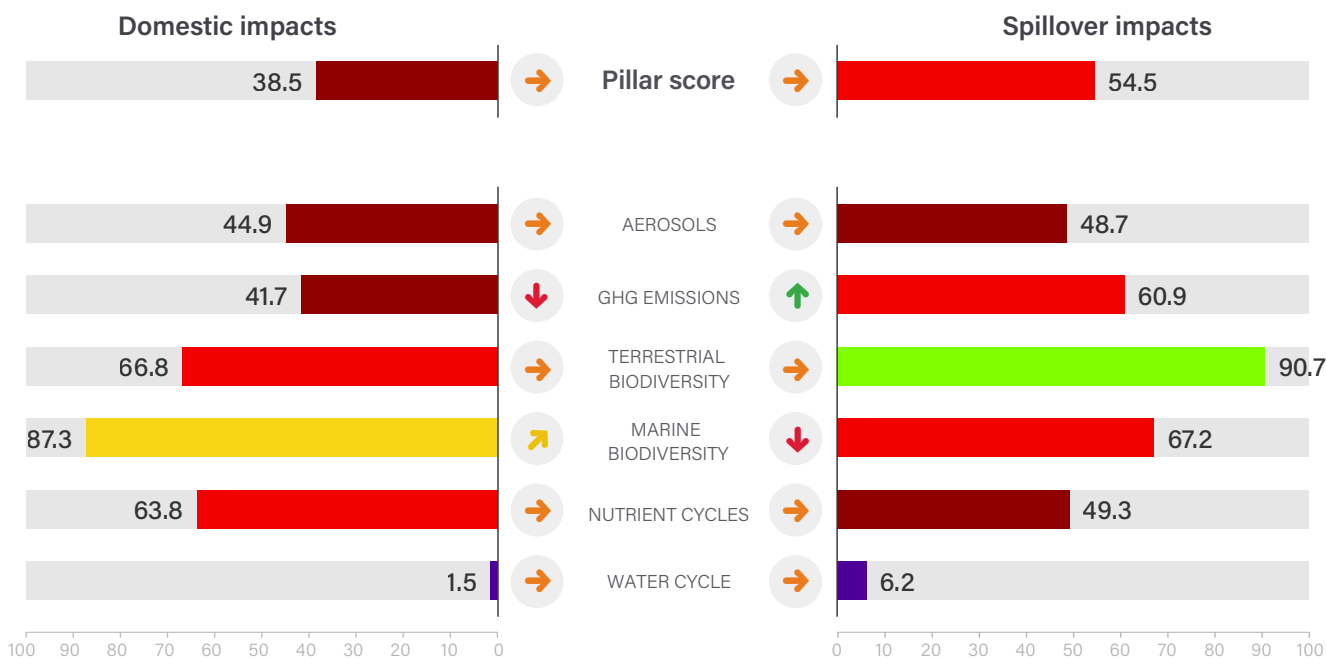
Middle East and North Africa

Land area	434,128 sq. km	Population	40.2 million
GDP (PPP, constant 2017 US\$, billions)	\$372.3	GDP per capita	\$9,255
Human Development Index (HDI)	0.686	HDI category	Medium



Impacts by pillar and sub-pillar

Proportional scores and trajectories



The Global Commons Stewardship Index

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Dashboard categories

Negative impacts on the Global Commons

95–100	None or limited
90–95	Low
80–90	Medium-low
70–80	Medium-high
50–70	High
30–50	Very high
0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Iraq

Performance by Indicator

Indicator	Proportional			Absolute		
	Value	Units	Score	Value	Units	Year
Aerosols						
Domestic SO ₂ emissions	36.84	kg/capita	13.8	●	→	1,415.78 Gg 2018
Spillover SO ₂ emissions	4.59	kg/capita	48.9	●	→	163.14 Gg 2015
Domestic NO _x emissions	19.48	kg/capita	70.1	●	→	748.81 Gg 2018
Spillover NO _x emissions	5.26	kg/capita	43.8	●	↓	187.20 Gg 2015
Domestic black carbon emissions	0.17	kg/capita	93.1	●	↑	6.69 Gg 2018
Spillover black carbon emissions	0.15	kg/capita	53.8	●	↓	5.27 Gg 2015
GHG Emissions						
Domestic GHG emissions	8.99	t CO ₂ e/capita	41.7	●	↓	353.32 Tg 2019
Spillover GHG emissions	1.64	t CO ₂ e/capita	60.9	●	↑	63.18 Tg 2018
CO ₂ emissions embodied in fossil fuel exports	NA	t CO ₂ e/capita	NA	●	●	NA Tg NA
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	5.58	%	96.7	●	↓	5.58 % 2020
Unprotected freshwater biodiversity sites	8.12	%	95.9	●	↓	8.12 % 2020
Domestic land use related biodiversity loss	4.78 × 10 ⁻¹³	global PDF/capita	99.4	●	↗	1.84 × 10 ⁻⁵ global PDF 2018
Spillover land use related biodiversity loss	3.69 × 10 ⁻¹²	global PDF/capita	81.0	●	→	1.42 × 10 ⁻⁴ global PDF 2018
Domestic freshwater biodiversity threats	0.11	spp./million	54.4	●	●	4.18 species 2018
Spillover freshwater biodiversity threats	0.00	spp./million	88.7	●	●	0.17 species 2018
Domestic deforestation	0.00	%	100.0	●	●	0.00 hectares 2020
Spillover deforestation	5.27 × 10 ⁻⁴	ha/capita	94.4	●	↓	2.03 × 10 ⁴ hectares 2018
Red List Index of species survival	0.80	scale 0 to 1	41.2	●	↓	0.80 scale 0 to 1 2021
Biodiversity Habitat Index	0.51	scale 0 to 1	31.7	●	●	0.51 scale 0 to 1 2020
Domestic export of endangered terrestrial animals	0.00	WOE/million	100.0	●	●	0.00 WOE 2019
Spillover endangered terrestrial animals	2.55 × 10 ⁻⁵	WOE/capita	99.7	●	●	1.00 × 10 ³ WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	0.00	WOE/million	100.0	●	●	0.00 WOE 2019
Spillover endangered marine animals	4.16 × 10 ⁻⁵	WOE/capita	97.3	●	●	1.63 × 10 ³ WOE 2019
Unprotected marine biodiversity sites	0.00	%	100.0	●	●	0.00 % 2020
Domestic marine biodiversity threats	0.03	spp./million	77.3	●	●	1.25 species 2018
Spillover marine biodiversity threats	0.01	spp./million	67.6	●	●	0.21 species 2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	●	●	NA % NA
Fish caught by trawling	7.35	%	88.2	●	↓	7.35 % 2018
Domestic vulnerable fisheries catch	0.35	tonnes/capita	82.3	●	↑	0.01 Tg 2018
Spillover vulnerable fisheries catch	4.91	tonnes/capita	46.1	●	↓	0.19 tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.75	scale 0 to 1.4	35.7	●	→	0.75 scale 0 to 1.4 2015
Domestic nitrogen surplus	3.31	kg/capita	91.8	●	↗	117.92 Gg 2015
Spillover nitrogen surplus	0.68	kg/capita	67.3	●	↓	24.13 Tg 2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	●	●	NA kt NA
Spillover phosphorus fertilizer	2.92	g/capita	36.1	●	→	112.13 kt 2018
Water Cycle						
Domestic scarce water consumption	239.09	m ³ H ₂ O-eq./capita	1.0	●	→	9,188.93 Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	93.94	m ³ H ₂ O-eq./capita	24.0	●	→	7,684.39 Mm ³ H ₂ O-eq. 2018
Domestic water stress	8.72	ML H ₂ O-eq./capita	8.4	●	→	335.01 Bm ³ H ₂ O-eq. 2018
Spillover water stress	2.88	m ³ H ₂ O-eq./capita	30.9	●	↓	235.71 Mm ³ H ₂ O-eq. 2018

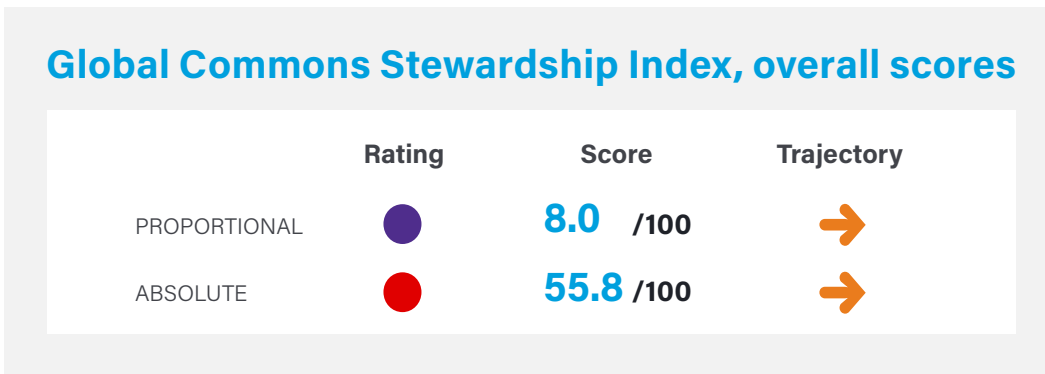
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Ireland

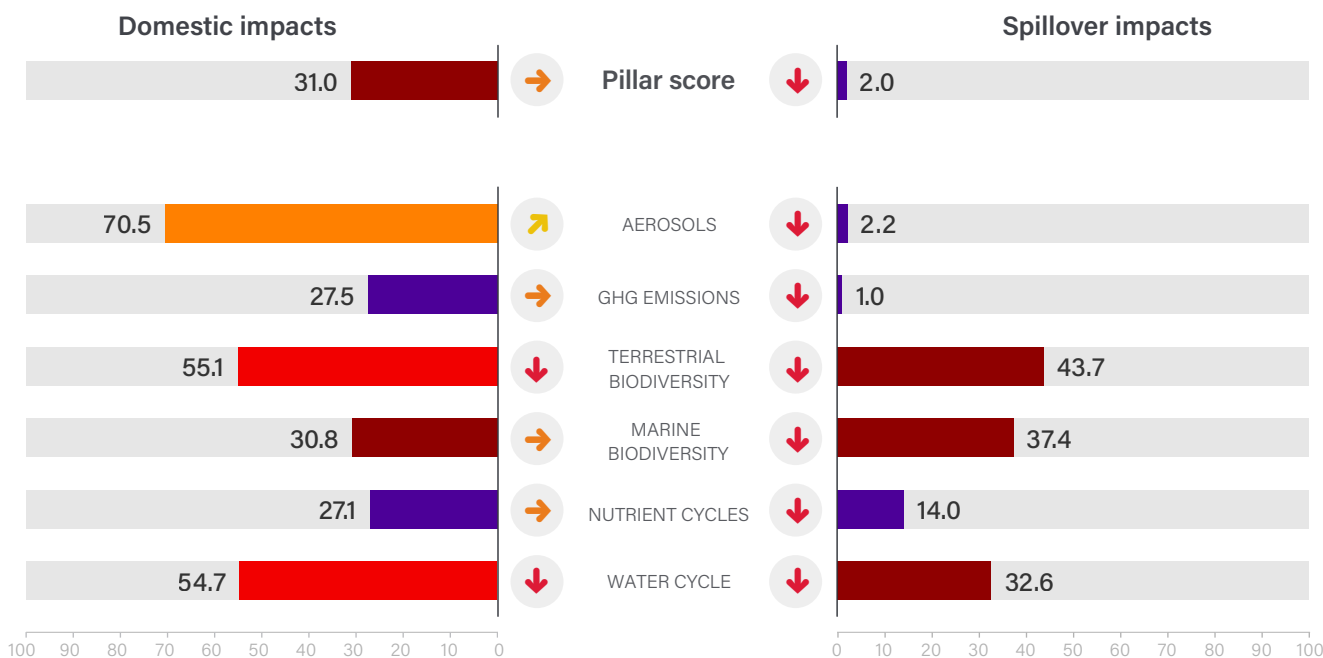
OECD Member

Land area	68,890 sq. km	Population	5.0 million
GDP (PPP, constant 2017 US\$, billions)	\$452.6	GDP per capita	\$90,625
Human Development Index (HDI)	0.945	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

	95–100	None or limited
	90–95	Low
	80–90	Medium-low
	70–80	Medium-high
	50–70	High
	30–50	Very high
	0–30	Extreme

Trajectories

Based on 5-year growth rates

	Projected to meet 2050 threshold
	Projected to meet 2030 threshold only
	Insufficient progress toward threshold
	Headed in wrong direction

Ireland

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	6.60	kg/capita	53.4	● ↗	32.13	Gg	2018
Spillover SO ₂ emissions	18.26	kg/capita	10.8	● ↓	85.86	Gg	2015
Domestic NO _x emissions	15.56	kg/capita	78.2	● ↓	75.75	Gg	2018
Spillover NO _x emissions	48.97	kg/capita	1.0	● ↓	230.24	Gg	2015
Domestic black carbon emissions	0.28	kg/capita	83.8	● ↗	1.35	Gg	2018
Spillover black carbon emissions	1.09	kg/capita	1.0	● ↓	5.14	Gg	2015
GHG Emissions							
Domestic GHG emissions	13.63	t CO ₂ e/capita	25.5	● →	67.26	Tg	2019
Spillover GHG emissions	14.64	t CO ₂ e/capita	1.0	● ↓	71.26	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	0.03	t CO ₂ e/capita	34.3	● ●	0.15	Tg	2020
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	80.68	%	20.6	● ↓	80.68	%	2020
Unprotected freshwater biodiversity sites	98.56	%	2.5	● ↓	98.56	%	2020
Domestic land use related biodiversity loss	1.43 × 10 ⁻¹²	global PDF/capita	98.1	● →	6.98 × 10 ⁻⁶	global PDF	2018
Spillover land use related biodiversity loss	8.75 × 10 ⁻¹²	global PDF/capita	50.6	● ↓	4.26 × 10 ⁻⁵	global PDF	2018
Domestic freshwater biodiversity threats	0.43	spp./million	35.5	● ●	2.09	species	2018
Spillover freshwater biodiversity threats	0.15	spp./million	30.0	● ●	0.73	species	2018
Domestic deforestation	0.53	%	60.3	● ↓	7.93 × 10 ³	hectares	2020
Spillover deforestation	5.33 × 10 ⁻³	ha/capita	24.0	● ↓	2.59 × 10 ⁴	hectares	2018
Red List Index of species survival	0.92	scale 0 to 1	77.5	● ↓	0.92	scale 0 to 1	2021
Biodiversity Habitat Index	0.40	scale 0 to 1	16.8	● ●	0.40	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	2.03 × 10 ⁻⁷	WOE/million	100.0	● ●	1.00	WOE	2019
Spillover endangered terrestrial animals	7.50 × 10 ⁻⁶	WOE/capita	99.9	● ●	3.70 × 10	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE	2019
Spillover endangered marine animals	3.12 × 10 ⁻⁴	WOE/capita	80.1	● ●	1.54 × 10 ³	WOE	2019
Unprotected marine biodiversity sites	81.94	%	18.9	● ↓	81.94	%	2020
Domestic marine biodiversity threats	0.88	spp./million	31.7	● ●	4.23	species	2018
Spillover marine biodiversity threats	0.09	spp./million	31.5	● ●	0.45	species	2018
Fish caught from overexploited or collapsed stocks	25.15	%	59.9	● →	25.15	%	2018
Fish caught by trawling	8.62	%	86.1	● ↗	8.62	%	2018
Domestic vulnerable fisheries catch	110.82	tonnes/capita	6.5	● →	0.54	Tg	2018
Spillover vulnerable fisheries catch	22.48	tonnes/capita	20.7	● ↓	0.11	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	0.01	scale 0 to 1.4	100.0	● ↑	0.01	scale 0 to 1.4	2015
Domestic nitrogen surplus	8.56	kg/capita	76.7	● →	40.27	Gg	2015
Spillover nitrogen surplus	14.79	kg/capita	8.8	● ↓	69.52	Tg	2015
Domestic phosphorus fertilizer	26.57	kg/capita	4.7	● ↓	129.34	kt	2018
Spillover phosphorus fertilizer	4.56	g/capita	22.2	● ↓	22.22	kt	2018
Water Cycle							
Domestic scarce water consumption	2.54	m ³ H ₂ O-eq./capita	51.8	● ↓	12.35	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	53.88	m ³ H ₂ O-eq./capita	38.5	● ↓	2,070.67	Mm ³ H ₂ O-eq.	2018
Domestic water stress	0.08	ML H ₂ O-eq./capita	68.2	● ↓	0.41	Bm ³ H ₂ O-eq.	2018
Spillover water stress	10.35	m ³ H ₂ O-eq./capita	1.0	● ↓	397.62	Mm ³ H ₂ O-eq.	2018

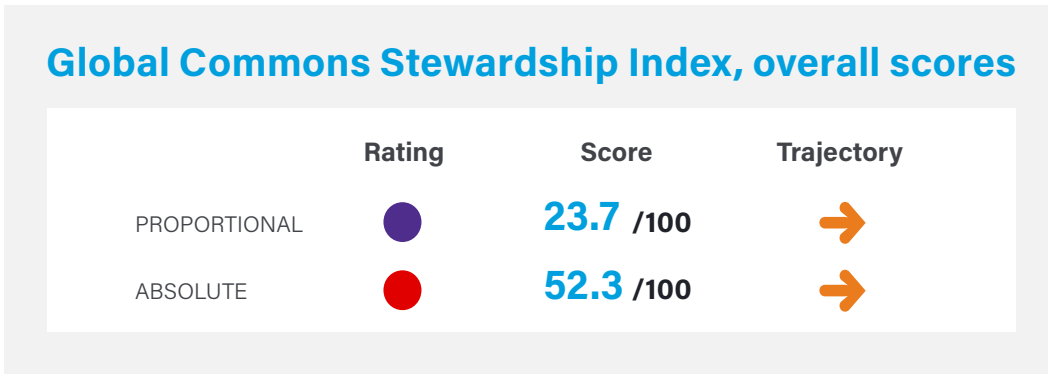
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Israel

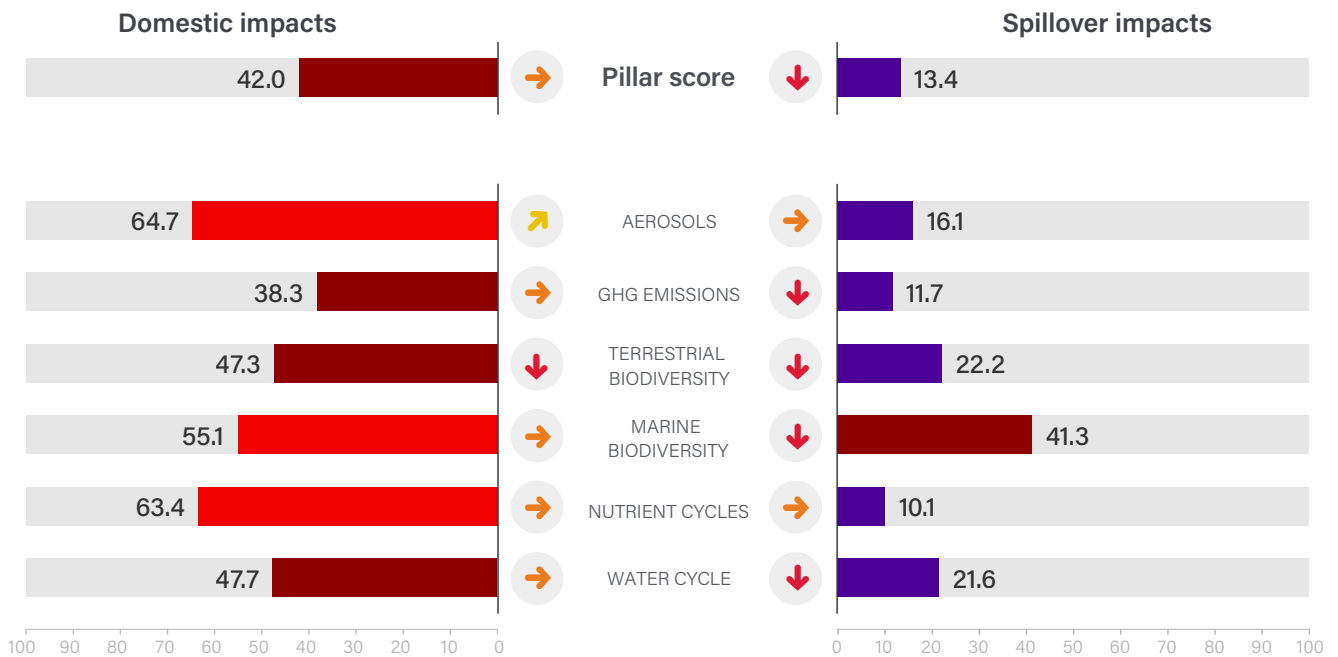
OECD Member

Land area	21,640 sq. km	Population	9.2 million
GDP (PPP, constant 2017 US\$, billions)	\$353.4	GDP per capita	\$38,341
Human Development Index (HDI)	0.919	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons



Trajectories

Based on 5-year growth rates



Israel

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	5.91	kg/capita	55.9	● ↗	52.52	Gg	2018
Spillover SO ₂ emissions	14.51	kg/capita	171	● →	121.59	Gg	2015
Domestic NO _x emissions	27.04	kg/capita	54.7	● →	240.15	Gg	2018
Spillover NO _x emissions	14.82	kg/capita	16.3	● →	124.22	Gg	2015
Domestic black carbon emissions	0.23	kg/capita	88.4	● ↑	2.01	Gg	2018
Spillover black carbon emissions	0.60	kg/capita	14.9	● →	5.06	Gg	2015
GHG Emissions							
Domestic GHG emissions	9.38	t CO ₂ e/capita	40.0	● →	84.93	Tg	2019
Spillover GHG emissions	9.48	t CO ₂ e/capita	11.7	● ↓	84.21	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	0.03	t CO ₂ e/capita	33.6	● ●	0.31	Tg	2019
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	17.05	%	85.1	● ↓	17.05	%	2020
Unprotected freshwater biodiversity sites	22.73	%	80.8	● ↓	22.73	%	2020
Domestic land use related biodiversity loss	1.64 × 10 ⁻¹²	global PDF/capita	97.8	● ↓	1.46 × 10 ⁻⁵	global PDF	2018
Spillover land use related biodiversity loss	1.67 × 10 ⁻¹¹	global PDF/capita	3.1	● ↓	1.48 × 10 ⁻⁴	global PDF	2018
Domestic freshwater biodiversity threats	0.39	spp./million	36.9	● ●	3.29	species	2018
Spillover freshwater biodiversity threats	0.18	spp./million	26.9	● ●	1.53	species	2018
Domestic deforestation	0.10	%	92.3	● →	2.97 × 10	hectares	2020
Spillover deforestation	4.95 × 10 ⁻³	ha/capita	29.4	● ↓	4.40 × 10 ⁴	hectares	2018
Red List Index of species survival	0.72	scale 0 to 1	18.7	● ↓	0.72	scale 0 to 1	2021
Biodiversity Habitat Index	0.39	scale 0 to 1	15.7	● ●	0.39	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	2.21 × 10 ⁻⁷	WOE/million	100.0	● ●	2.00	WOE	2019
Spillover endangered terrestrial animals	2.21 × 10 ⁻⁷	WOE/capita	100.0	● ●	2.00	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE	2019
Spillover endangered marine animals	3.00 × 10 ⁻⁴	WOE/capita	80.8	● ●	2.72 × 10 ³	WOE	2019
Unprotected marine biodiversity sites	14.84	%	85.3	● ↓	14.84	%	2020
Domestic marine biodiversity threats	0.13	spp./million	58.5	● ●	1.06	species	2018
Spillover marine biodiversity threats	0.03	spp./million	45.5	● ●	0.26	species	2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	● ●	NA	%	NA
Fish caught by trawling	48.69	%	20.3	● →	48.69	%	2018
Domestic vulnerable fisheries catch	0.51	tonnes/capita	77.4	● ↑	0.00	Tg	2018
Spillover vulnerable fisheries catch	24.69	tonnes/capita	19.1	● ↓	0.22	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	0.87	scale 0 to 1.4	25.4	● →	0.87	scale 0 to 1.4	2015
Domestic nitrogen surplus	5.21	kg/capita	86.4	● →	43.64	Gg	2015
Spillover nitrogen surplus	9.80	kg/capita	16.7	● →	82.08	Tg	2015
Domestic phosphorus fertilizer	0.69	kg/capita	100.0	● ↑	6.10	kt	2018
Spillover phosphorus fertilizer	7.67	g/capita	6.2	● ↓	68.13	kt	2018
Water Cycle							
Domestic scarce water consumption	0.92	m ³ H ₂ O-eq./capita	63.2	● ↗	8.17	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	77.43	m ³ H ₂ O-eq./capita	29.0	● ↓	27.31	Mm ³ H ₂ O-eq.	2018
Domestic water stress	5.01	ML H ₂ O-eq./capita	15.6	● →	44.54	Bm ³ H ₂ O-eq.	2018
Spillover water stress	3.13	m ³ H ₂ O-eq./capita	28.7	● ↓	1.11	Mm ³ H ₂ O-eq.	2018

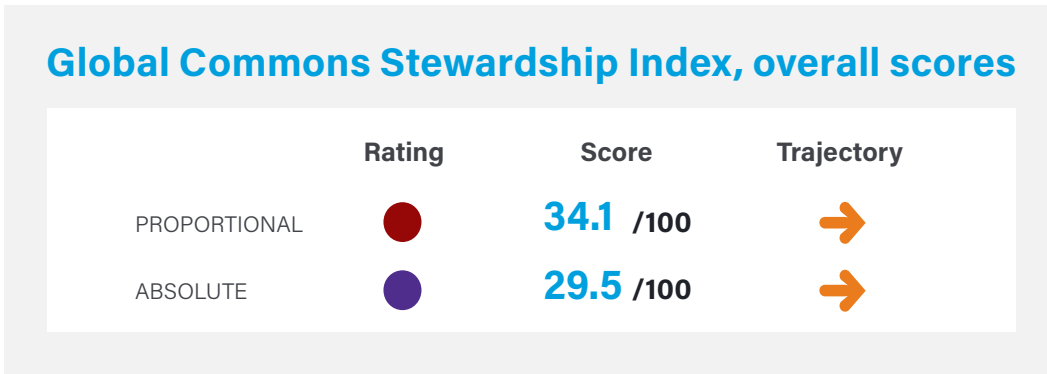
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Italy

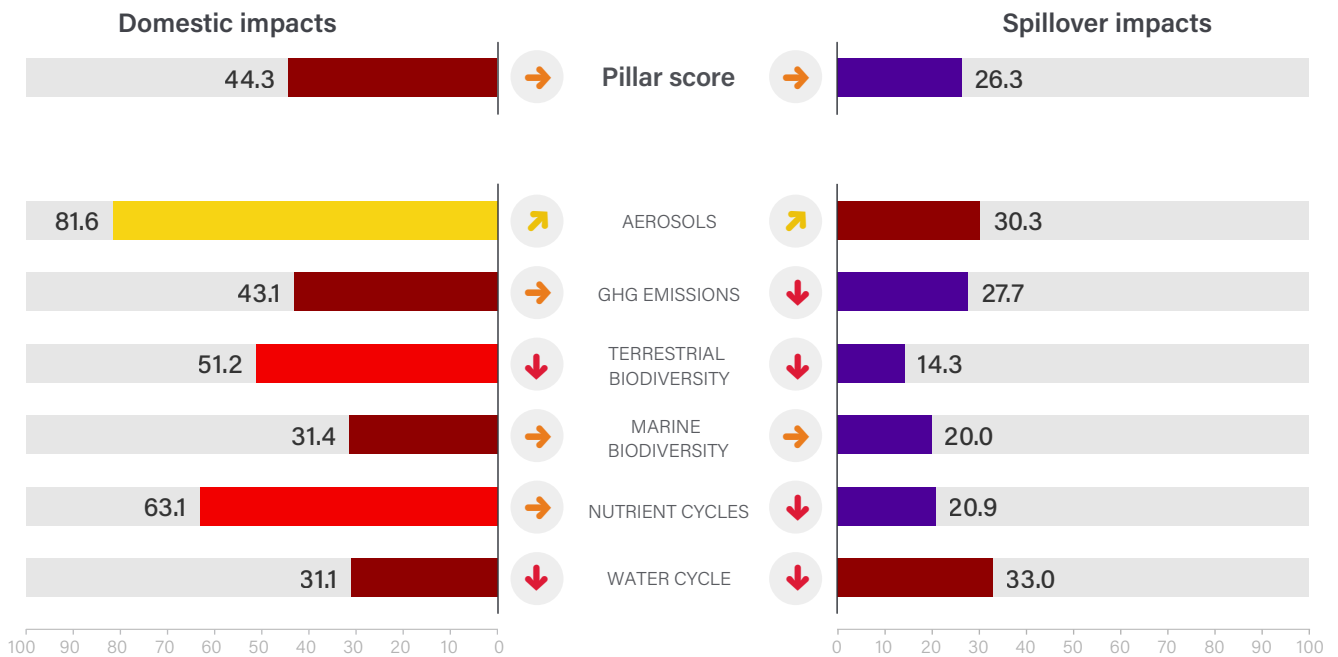
OECD Member

Land area	297,730 sq. km	Population	59.6 million
GDP (PPP, constant 2017 US\$, billions)	\$2,322.1	GDP per capita	\$38,992
Human Development Index (HDI)	0.895	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories



The Global Commons Stewardship Index

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Dashboard categories

Negative impacts on the Global Commons

	95–100	None or limited
	90–95	Low
	80–90	Medium-low
	70–80	Medium-high
	50–70	High
	30–50	Very high
	0–30	Extreme

Trajectories

Based on 5-year growth rates

	Projected to meet 2050 threshold
	Projected to meet 2030 threshold only
	Insufficient progress toward threshold
	Headed in wrong direction

Italy

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	3.25	kg/capita	69.7	● ↑	196.56	Gg	2018
Spillover SO ₂ emissions	8.58	kg/capita	31.6	● ↑	520.89	Gg	2015
Domestic NO _x emissions	12.21	kg/capita	85.0	● →	737.59	Gg	2018
Spillover NO _x emissions	9.84	kg/capita	27.2	● →	597.48	Gg	2015
Domestic black carbon emissions	0.19	kg/capita	91.7	● ↑	11.40	Gg	2018
Spillover black carbon emissions	0.32	kg/capita	32.3	● ↑	19.57	Gg	2015
GHG Emissions							
Domestic GHG emissions	7.89	t CO ₂ e/capita	46.8	● →	471.12	Tg	2019
Spillover GHG emissions	5.36	t CO ₂ e/capita	27.7	● ↓	324.08	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	0.03	t CO ₂ e/capita	33.6	● ●	2.02	Tg	2020
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	75.66	%	25.7	● ↓	75.66	%	2020
Unprotected freshwater biodiversity sites	85.15	%	16.3	● ↓	85.15	%	2020
Domestic land use related biodiversity loss	9.04 × 10 ⁻¹²	global PDF/capita	88.0	● →	5.46 × 10 ⁻⁴	global PDF	2018
Spillover land use related biodiversity loss	7.49 × 10 ⁻¹²	global PDF/capita	58.2	● ↓	4.53 × 10 ⁻⁴	global PDF	2018
Domestic freshwater biodiversity threats	0.82	spp./million	26.8	● ●	49.81	species	2018
Spillover freshwater biodiversity threats	0.46	spp./million	11.4	● ●	27.75	species	2018
Domestic deforestation	0.40	%	70.0	● ↓	3.77 × 10 ⁴	hectares	2020
Spillover deforestation	2.70 × 10 ⁻³	ha/capita	62.6	● ↓	1.63 × 10 ⁵	hectares	2018
Red List Index of species survival	0.89	scale 0 to 1	71.0	● ↓	0.89	scale 0 to 1	2021
Biodiversity Habitat Index	0.31	scale 0 to 1	3.8	● ●	0.31	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	7.20 × 10 ⁻⁷	WOE/million	100.0	● ●	4.30 × 10	WOE	2019
Spillover endangered terrestrial animals	1.43 × 10 ⁻²	WOE/capita	1.0	● ●	8.52 × 10 ⁵	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE	2019
Spillover endangered marine animals	1.21 × 10 ⁻³	WOE/capita	22.7	● ●	7.22 × 10 ⁴	WOE	2019
Unprotected marine biodiversity sites	76.00	%	24.8	● ↓	76.00	%	2020
Domestic marine biodiversity threats	0.30	spp./million	46.8	● ●	17.98	species	2018
Spillover marine biodiversity threats	0.30	spp./million	16.5	● ●	18.22	species	2018
Fish caught from overexploited or collapsed stocks	52.30	%	16.5	● →	52.30	%	2018
Fish caught by trawling	46.35	%	24.2	● ↓	46.35	%	2018
Domestic vulnerable fisheries catch	4.35	tonnes/capita	49.1	● →	0.26	Tg	2018
Spillover vulnerable fisheries catch	21.70	tonnes/capita	21.3	● →	1.31	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	0.59	scale 0 to 1.4	50.1	● →	0.59	scale 0 to 1.4	2015
Domestic nitrogen surplus	9.02	kg/capita	75.4	● ↓	547.53	Gg	2015
Spillover nitrogen surplus	10.73	kg/capita	14.9	● ↓	651.89	Tg	2015
Domestic phosphorus fertilizer	2.71	kg/capita	65.8	● →	163.79	kt	2018
Spillover phosphorus fertilizer	3.64	g/capita	29.2	● ↓	220.19	kt	2018
Water Cycle							
Domestic scarce water consumption	14.90	m ³ H ₂ O-eq./capita	31.9	● ↓	900.04	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	10516	m ³ H ₂ O-eq./capita	21.1	● ↓	934.13	Mm ³ H ₂ O-eq.	2018
Domestic water stress	1.87	ML H ₂ O-eq./capita	28.3	● ↓	113.07	Bm ³ H ₂ O-eq.	2018
Spillover water stress	4.04	m ³ H ₂ O-eq./capita	22.1	● ↓	35.91	Mm ³ H ₂ O-eq.	2018

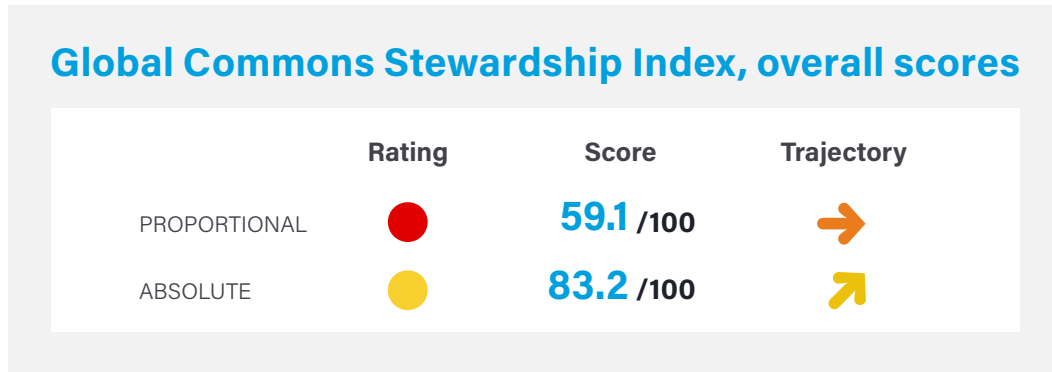
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Jamaica

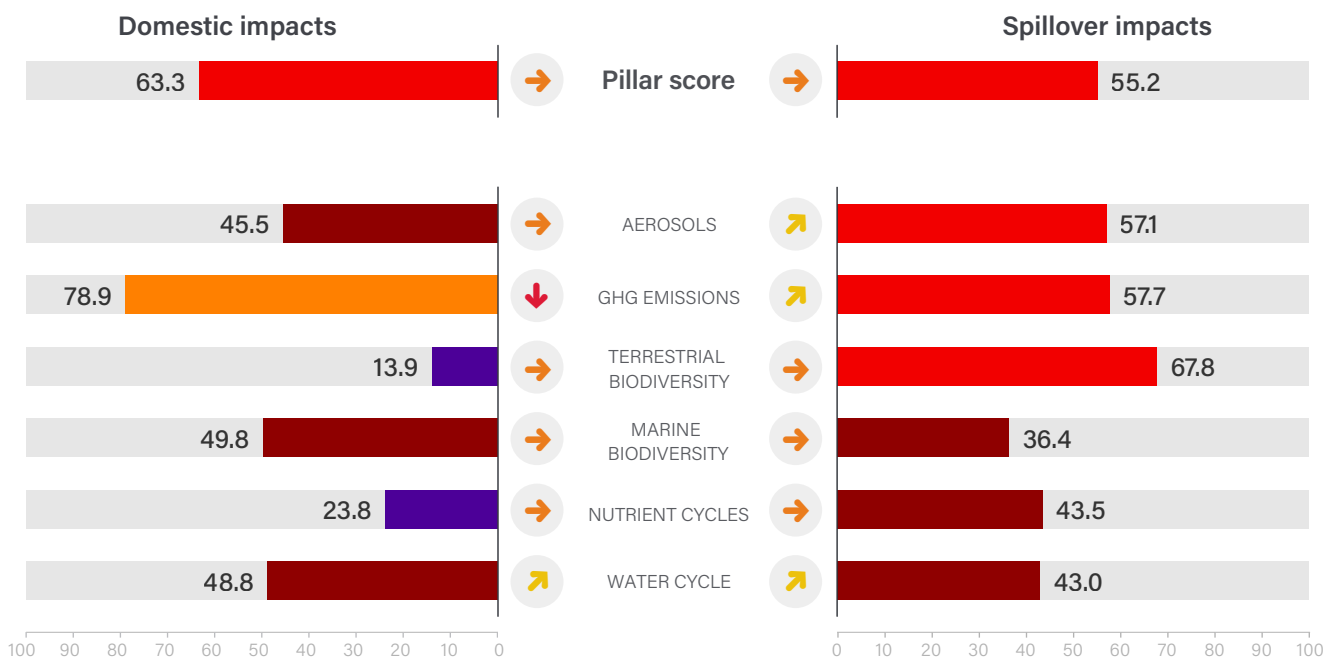
Latin America and Caribbean

Land area	10,830 sq. km	Population	3.0 million
GDP (PPP, constant 2017 US\$, billions)	\$25.9	GDP per capita	\$8,742
Human Development Index (HDI)	0.709	HDI category	High



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

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■	95–100	None or limited
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■	0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Jamaica

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	26.46	kg/capita	21.5	● ↓	77.66	Gg	2018
Spillover SO ₂ emissions	3.01	kg/capita	60.5	● ↑	8.71	Gg	2015
Domestic NO _x emissions	22.36	kg/capita	64.3	● ↓	65.61	Gg	2018
Spillover NO _x emissions	3.74	kg/capita	52.9	● →	10.81	Gg	2015
Domestic black carbon emissions	0.45	kg/capita	68.3	● ↑	1.32	Gg	2018
Spillover black carbon emissions	0.13	kg/capita	58.3	● ↑	0.36	Gg	2015
GHG Emissions							
Domestic GHG emissions	3.80	t CO ₂ e/capita	75.1	● ↓	11.20	Tg	2019
Spillover GHG emissions	1.84	t CO ₂ e/capita	57.7	● ↗	5.39	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	0.00	t CO ₂ e/capita	91.5	● ●	0.00	Tg	2020
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	21.92	%	80.1	● ↓	21.92	%	2020
Unprotected freshwater biodiversity sites	27.77	%	75.6	● ↓	27.77	%	2020
Domestic land use related biodiversity loss	5.30 × 10 ⁻¹¹	global PDF/capita	29.5	● →	1.55 × 10 ⁻⁴	global PDF	2018
Spillover land use related biodiversity loss	7.05 × 10 ⁻¹²	global PDF/capita	60.8	● →	2.07 × 10 ⁻⁵	global PDF	2018
Domestic freshwater biodiversity threats	0.07	spp./million	59.6	● ●	0.22	species	2018
Spillover freshwater biodiversity threats	0.05	spp./million	49.1	● ●	0.14	species	2018
Domestic deforestation	0.28	%	78.9	● →	2.13 × 10 ³	hectares	2020
Spillover deforestation	2.13 × 10 ⁻³	ha/capita	70.8	● ↓	6.26 × 10 ³	hectares	2018
Red List Index of species survival	0.66	scale 0 to 1	1.0	● ↓	0.66	scale 0 to 1	2021
Biodiversity Habitat Index	0.39	scale 0 to 1	15.1	● ●	0.39	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	0.00	WOE/million	100.0	● ●	0.00	WOE	2019
Spillover endangered terrestrial animals	0.00	WOE/capita	100.0	● ●	0.00	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE	2019
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE	2019
Unprotected marine biodiversity sites	26.60	%	73.7	● ↓	26.60	%	2020
Domestic marine biodiversity threats	1.45	spp./million	24.8	● ●	4.25	species	2018
Spillover marine biodiversity threats	0.25	spp./million	19.1	● ●	0.72	species	2018
Fish caught from overexploited or collapsed stocks	33.05	%	47.3	● →	33.05	%	2018
Fish caught by trawling	0.00	%	100.0	● ●	0.00	%	2018
Domestic vulnerable fisheries catch	19.18	tonnes/capita	29.6	● →	0.06	Tg	2018
Spillover vulnerable fisheries catch	17.22	tonnes/capita	25.1	● →	0.05	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	1.06	scale 0 to 1.4	8.7	● →	1.06	scale 0 to 1.4	2015
Domestic nitrogen surplus	3.13	kg/capita	92.4	● ↗	9.04	Gg	2015
Spillover nitrogen surplus	2.02	kg/capita	46.6	● ↓	5.83	Tg	2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt	NA
Spillover phosphorus fertilizer	2.53	g/capita	40.6	● →	7.41	kt	2018
Water Cycle							
Domestic scarce water consumption	4.57	m ³ H ₂ O-eq./capita	45.2	● ↗	13.43	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	69.41	m ³ H ₂ O-eq./capita	31.9	● →	4,193.74	Mm ³ H ₂ O-eq.	2018
Domestic water stress	0.09	ML H ₂ O-eq./capita	66.8	● ↗	0.28	Bm ³ H ₂ O-eq.	2018
Spillover water stress	2.54	m ³ H ₂ O-eq./capita	34.1	● ↑	153.58	Mm ³ H ₂ O-eq.	2018

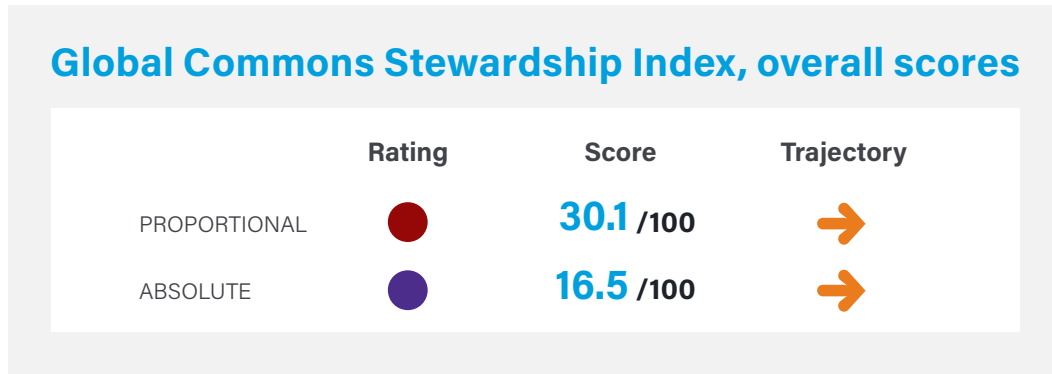
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Japan

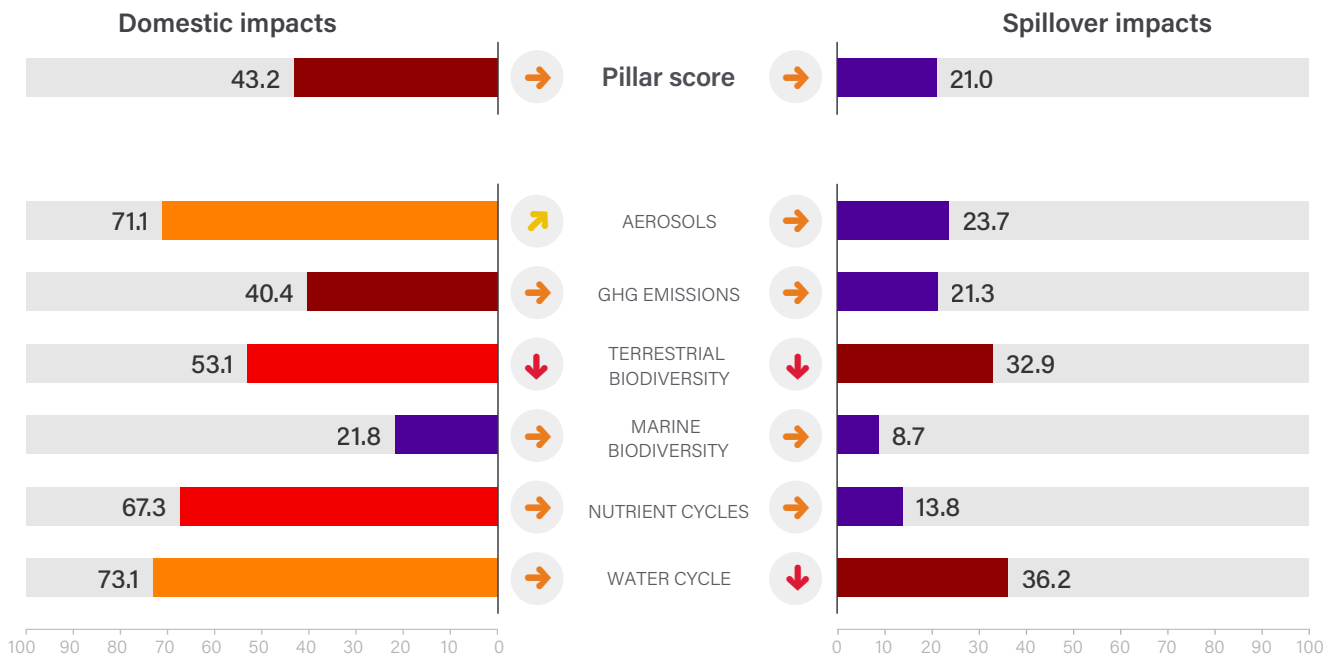
OECD Member

Land area	364,500 sq. km	Population	125.8 million
GDP (PPP, constant 2017 US\$, billions)	\$4,997.7	GDP per capita	\$39,716
Human Development Index (HDI)	0.925	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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	95–100	None or limited
	90–95	Low
	80–90	Medium-low
	70–80	Medium-high
	50–70	High
	30–50	Very high
	0–30	Extreme

Trajectories

Based on 5-year growth rates

	Projected to meet 2050 threshold
	Projected to meet 2030 threshold only
	Insufficient progress toward threshold
	Headed in wrong direction

Japan

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	7.68	kg/capita	49.9	● →	971.94	Gg 2018
Spillover SO ₂ emissions	10.90	kg/capita	25.0	● →	1,385.41	Gg 2015
Domestic NO _x emissions	15.31	kg/capita	78.7	● ↑	1,937.00	Gg 2018
Spillover NO _x emissions	11.59	kg/capita	22.8	● →	1,473.10	Gg 2015
Domestic black carbon emissions	0.19	kg/capita	91.5	● ↑	24.19	Gg 2018
Spillover black carbon emissions	0.44	kg/capita	23.4	● →	56.54	Gg 2015
GHG Emissions						
Domestic GHG emissions	10.25	t CO ₂ e/capita	36.6	● →	1,294.79	Tg 2019
Spillover GHG emissions	6.72	t CO ₂ e/capita	21.3	● →	850.46	Tg 2018
CO ₂ emissions embodied in fossil fuel exports	0.00	t CO ₂ e/capita	54.3	● ●	0.05	Tg 2021
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	65.10	%	36.4	● ↓	65.10	% 2020
Unprotected freshwater biodiversity sites	64.41	%	37.8	● ↓	64.41	% 2020
Domestic land use related biodiversity loss	2.57 × 10 ⁻¹²	global PDF/capita	96.6	● →	3.25 × 10 ⁻⁴	global PDF 2018
Spillover land use related biodiversity loss	1.16 × 10 ⁻¹¹	global PDF/capita	33.6	● ↓	1.47 × 10 ⁻³	global PDF 2018
Domestic freshwater biodiversity threats	0.14	spp./million	50.7	● ●	18.10	species 2018
Spillover freshwater biodiversity threats	0.59	spp./million	7.0	● ●	75.50	species 2018
Domestic deforestation	0.18	%	86.3	● ↓	4.78 × 10 ⁴	hectares 2020
Spillover deforestation	3.18 × 10 ⁻³	ha/capita	55.4	● ↓	4.03 × 10 ⁵	hectares 2018
Red List Index of species survival	0.76	scale 0 to 1	31.1	● ↓	0.76	scale 0 to 1 2021
Biodiversity Habitat Index	0.44	scale 0 to 1	22.6	● ●	0.44	scale 0 to 1 2020
Domestic export of endangered terrestrial animals	5.31 × 10 ⁻⁷	WOE/million	100.0	● ●	6.70 × 10	WOE 2019
Spillover endangered terrestrial animals	8.82 × 10 ⁻⁴	WOE/capita	89.7	● ●	1.11 × 10 ⁵	WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	9.50 × 10 ⁻⁸	WOE/million	100.0	● ●	1.20 × 10	WOE 2019
Spillover endangered marine animals	3.01 × 10 ⁻⁴	WOE/capita	80.7	● ●	3.81 × 10 ⁴	WOE 2019
Unprotected marine biodiversity sites	67.08	%	33.6	● ↓	67.08	% 2020
Domestic marine biodiversity threats	0.95	spp./million	30.6	● ●	121.30	species 2018
Spillover marine biodiversity threats	1.01	spp./million	1.0	● ●	128.75	species 2018
Fish caught from overexploited or collapsed stocks	60.92	%	2.7	● ↓	60.92	% 2018
Fish caught by trawling	10.36	%	83.3	● ↑	10.36	% 2018
Domestic vulnerable fisheries catch	62.42	tonnes/capita	14.1	● →	7.90	Tg 2018
Spillover vulnerable fisheries catch	4777	tonnes/capita	8.1	● →	6.04	tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.59	scale 0 to 1.4	49.8	● →	0.59	scale 0 to 1.4 2015
Domestic nitrogen surplus	2.87	kg/capita	93.1	● ↓	364.60	Gg 2015
Spillover nitrogen surplus	12.01	kg/capita	12.8	● ↓	1,526.42	Tg 2015
Domestic phosphorus fertilizer	2.67	kg/capita	66.1	● ↗	338.10	kt 2018
Spillover phosphorus fertilizer	5.77	g/capita	15.0	● →	729.75	kt 2018
Water Cycle						
Domestic scarce water consumption	0.55	m ³ H ₂ O-eq./capita	68.9	● ↗	69.88	Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	28.82	m ³ H ₂ O-eq./capita	54.7	● ↓	84.57	Mm ³ H ₂ O-eq. 2018
Domestic water stress	0.01	ML H ₂ O-eq./capita	92.8	● ↓	1.60	Bm ³ H ₂ O-eq. 2018
Spillover water stress	2.58	m ³ H ₂ O-eq./capita	33.7	● ↓	7.57	Mm ³ H ₂ O-eq. 2018

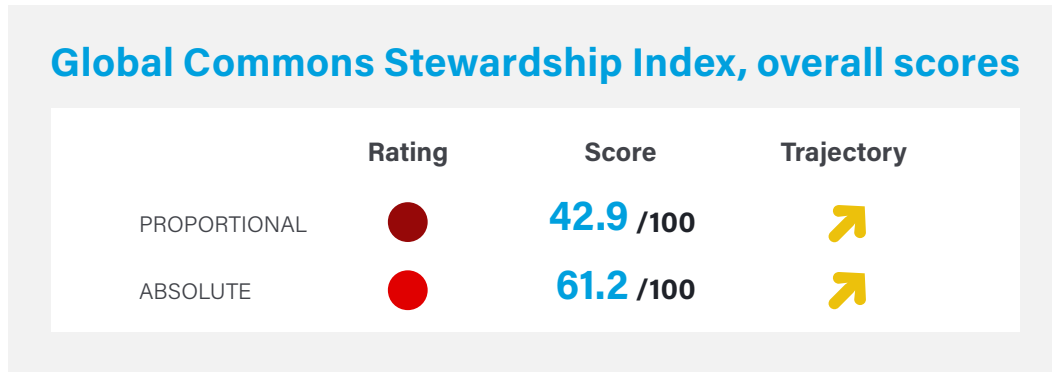
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Jordan

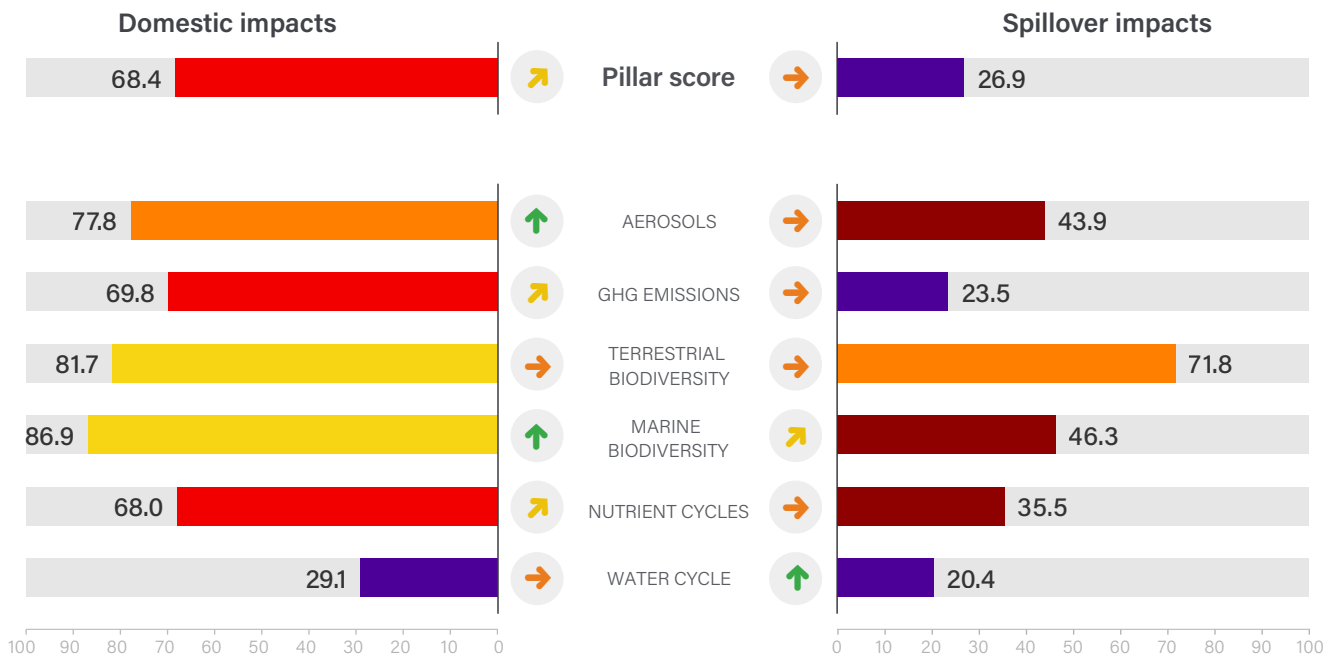
Middle East and North Africa

Land area	88,780 sq. km	Population	10.2 million
GDP (PPP, constant 2017 US\$, billions)	\$100.2	GDP per capita	\$9,817
Human Development Index (HDI)	0.720	HDI category	High



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Jordan

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	7.35	kg/capita	50.9	● ↑	73.29	Gg	2018
Spillover SO ₂ emissions	6.17	kg/capita	40.7	● →	57.16	Gg	2015
Domestic NO _x emissions	8.62	kg/capita	92.4	● ↑	85.88	Gg	2018
Spillover NO _x emissions	5.80	kg/capita	41.2	● →	53.77	Gg	2015
Domestic black carbon emissions	0.09	kg/capita	100.0	● ↑	0.88	Gg	2018
Spillover black carbon emissions	0.17	kg/capita	50.4	● →	1.55	Gg	2015
GHG Emissions							
Domestic GHG emissions	3.50	t CO ₂ e/capita	78.2	● ↗	35.40	Tg	2019
Spillover GHG emissions	6.21	t CO ₂ e/capita	23.5	● →	61.90	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	0.00	t CO ₂ e/capita	49.6	● ●	0.01	Tg	2020
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	12.92	%	89.3	● ↓	12.92	%	2020
Unprotected freshwater biodiversity sites	18.68	%	85.0	● ↓	18.68	%	2020
Domestic land use related biodiversity loss	3.57 × 10 ⁻¹³	global PDF/capita	99.5	● ↗	3.56 × 10 ⁻⁶	global PDF	2018
Spillover land use related biodiversity loss	6.84 × 10 ⁻¹²	global PDF/capita	62.0	● →	6.82 × 10 ⁻⁵	global PDF	2018
Domestic freshwater biodiversity threats	0.38	spp./million	37.2	● ●	3.81	species	2018
Spillover freshwater biodiversity threats	0.04	spp./million	54.1	● ●	0.36	species	2018
Domestic deforestation	NA	%	NA	● ●	NA	hectares	NA
Spillover deforestation	1.51 × 10 ⁻³	ha/capita	80.0	● ↓	1.50 × 10 ⁴	hectares	2018
Red List Index of species survival	0.97	scale 0 to 1	92.9	● ↓	0.97	scale 0 to 1	2021
Biodiversity Habitat Index	0.54	scale 0 to 1	36.8	● ●	0.54	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	2.98 × 10 ⁻⁵	WOE/million	99.7	● ●	3.01 × 10 ²	WOE	2019
Spillover endangered terrestrial animals	8.57 × 10 ⁻⁵	WOE/capita	99.0	● ●	8.66 × 10 ²	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE	2019
Spillover endangered marine animals	8.66 × 10 ⁻⁵	WOE/capita	94.5	● ●	8.75 × 10 ²	WOE	2019
Unprotected marine biodiversity sites	NA	%	NA	● ●	NA	%	NA
Domestic marine biodiversity threats	0.09	spp./million	63.3	● ●	0.89	species	2018
Spillover marine biodiversity threats	0.20	spp./million	21.5	● ●	2.03	species	2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	● ●	NA	%	NA
Fish caught by trawling	0.00	%	100.0	● ●	0.00	%	2018
Domestic vulnerable fisheries catch	0.08	tonnes/capita	100.0	● ↑	0.00	Tg	2018
Spillover vulnerable fisheries catch	4.16	tonnes/capita	48.8	● ↗	0.04	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	0.65	scale 0 to 1.4	44.6	● →	0.65	scale 0 to 1.4	2015
Domestic nitrogen surplus	3.49	kg/capita	91.3	● ↗	32.30	Gg	2015
Spillover nitrogen surplus	2.60	kg/capita	41.8	● →	24.12	Tg	2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt	NA
Spillover phosphorus fertilizer	3.53	g/capita	30.2	● ↓	35.18	kt	2018
Water Cycle							
Domestic scarce water consumption	19.06	m ³ H ₂ O-eq./capita	29.1	● →	189.91	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	80.84	m ³ H ₂ O-eq./capita	27.9	● ↑	805.59	Mm ³ H ₂ O-eq.	2018
Domestic water stress	1.79	ML H ₂ O-eq./capita	28.8	● →	17.88	Bm ³ H ₂ O-eq.	2018
Spillover water stress	5.34	m ³ H ₂ O-eq./capita	14.9	● ↑	53.21	Mm ³ H ₂ O-eq.	2018

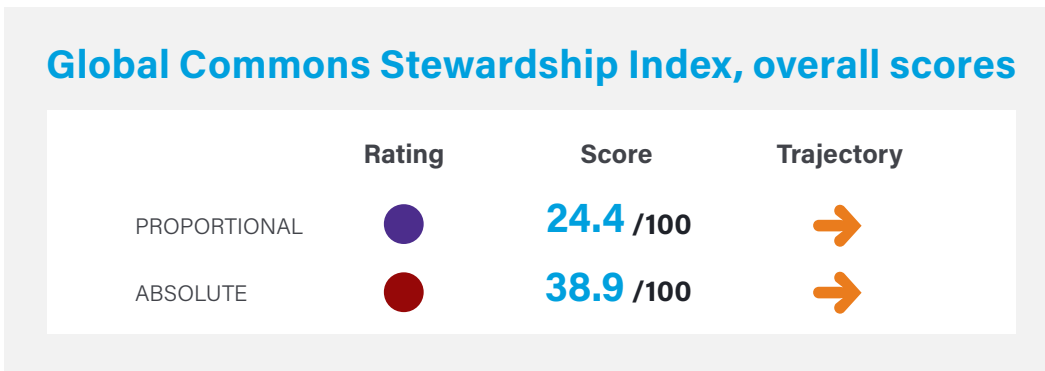
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Kazakhstan

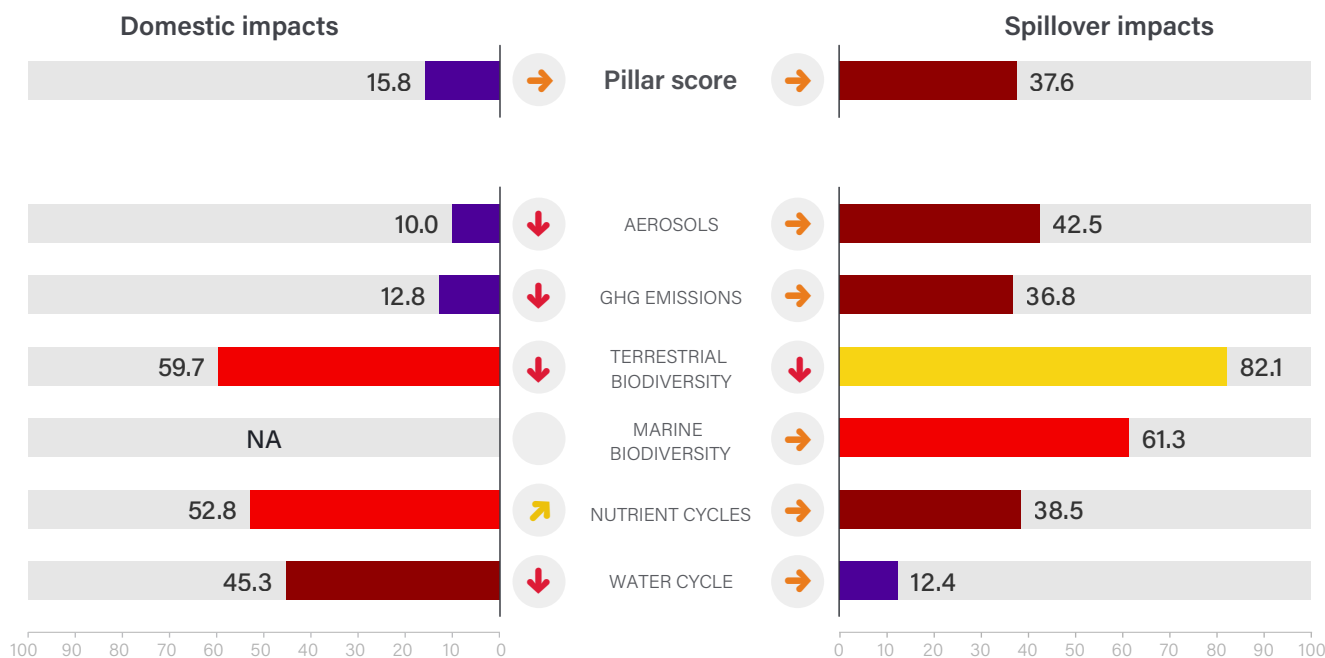
Eastern Europe and Central Asia

Land area	2,699,700 sq. km	Population	18.8 million
GDP (PPP, constant 2017 US\$, billions)	\$475.2	GDP per capita	\$25,337
Human Development Index (HDI)	0.811	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories



The Global Commons Stewardship Index

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Dashboard categories

Negative impacts on the Global Commons



Trajectories

Based on 5-year growth rates



Kazakhstan

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	99.01	kg/capita	1.0	● ↓	1,809.64	Gg 2018
Spillover SO ₂ emissions	6.25	kg/capita	40.4	● →	109.60	Gg 2015
Domestic NO _x emissions	43.82	kg/capita	20.3	● →	800.96	Gg 2018
Spillover NO _x emissions	6.69	kg/capita	37.4	● →	117.31	Gg 2015
Domestic black carbon emissions	0.66	kg/capita	49.4	● ↓	12.03	Gg 2018
Spillover black carbon emissions	0.17	kg/capita	50.8	● →	2.90	Gg 2015
GHG Emissions						
Domestic GHG emissions	16.96	t CO ₂ e/capita	171	● ↓	314.01	Tg 2019
Spillover GHG emissions	3.87	t CO ₂ e/capita	36.8	● →	70.72	Tg 2018
CO ₂ emissions embodied in fossil fuel exports	16.27	t CO ₂ e/capita	5.4	● ●	305.19	Tg 2020
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	13.05	%	891	● ↓	13.05	% 2020
Unprotected freshwater biodiversity sites	10.03	%	93.9	● ↓	10.03	% 2020
Domestic land use related biodiversity loss	3.50 × 10 ⁻¹¹	global PDF/capita	53.5	● →	6.39 × 10 ⁻⁴	global PDF 2018
Spillover land use related biodiversity loss	2.20 × 10 ⁻¹²	global PDF/capita	89.9	● ↓	4.02 × 10 ⁻⁵	global PDF 2018
Domestic freshwater biodiversity threats	0.55	spp./million	32.2	● ●	10.12	species 2018
Spillover freshwater biodiversity threats	0.03	spp./million	56.9	● ●	0.56	species 2018
Domestic deforestation	0.02	%	98.7	● ↓	8.00 × 10 ²	hectares 2020
Spillover deforestation	9.20 × 10 ⁻⁴	ha/capita	88.6	● ↓	1.68 × 10 ⁴	hectares 2018
Red List Index of species survival	0.87	scale 0 to 1	62.6	● ↓	0.87	scale 0 to 1 2021
Biodiversity Habitat Index	0.49	scale 0 to 1	291	● ●	0.49	scale 0 to 1 2020
Domestic export of endangered terrestrial animals	2.11 × 10 ⁻⁶	WOE/million	100.0	● ●	3.90 × 10	WOE 2019
Spillover endangered terrestrial animals	1.73 × 10 ⁻⁶	WOE/capita	100.0	● ●	3.20 × 10	WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	NA	WOE/million	NA	● ●	NA	WOE NA
Spillover endangered marine animals	9.18 × 10 ⁻⁶	WOE/capita	99.4	● ●	1.70 × 10 ²	WOE 2019
Unprotected marine biodiversity sites	NA	%	NA	● ●	NA	% NA
Domestic marine biodiversity threats	NA	spp./million	NA	● ●	NA	species NA
Spillover marine biodiversity threats	0.02	spp./million	52.4	● ●	0.34	species 2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	● ●	NA	% NA
Fish caught by trawling	NA	%	NA	● ●	NA	% NA
Domestic vulnerable fisheries catch	NA	tonnes/capita	NA	● ●	NA	Tg NA
Spillover vulnerable fisheries catch	5.49	tonnes/capita	44.2	● →	0.10	tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.77	scale 0 to 1.4	34.0	● →	0.77	scale 0 to 1.4 2015
Domestic nitrogen surplus	0.48	kg/capita	100.0	● ↑	8.35	Gg 2015
Spillover nitrogen surplus	2.15	kg/capita	45.5	● →	37.68	Tg 2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt NA
Spillover phosphorus fertilizer	3.26	g/capita	32.6	● →	59.63	kt 2018
Water Cycle						
Domestic scarce water consumption	1.30	m ³ H ₂ O-eq./capita	59.3	● ↓	23.80	Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	50.96	m ³ H ₂ O-eq./capita	39.9	● →	6,448.56	Mm ³ H ₂ O-eq. 2018
Domestic water stress	5.03	ML H ₂ O-eq./capita	15.5	● ↓	91.93	Bm ³ H ₂ O-eq. 2018
Spillover water stress	2.67	m ³ H ₂ O-eq./capita	32.8	● →	338.15	Mm ³ H ₂ O-eq. 2018

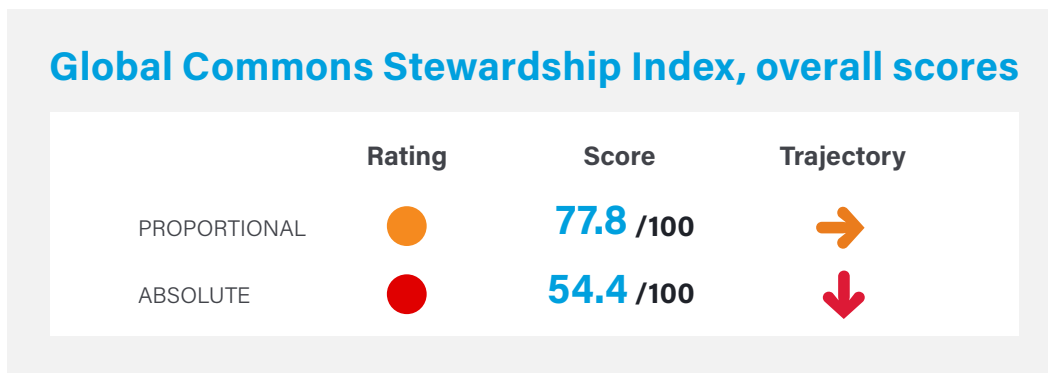
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Kenya

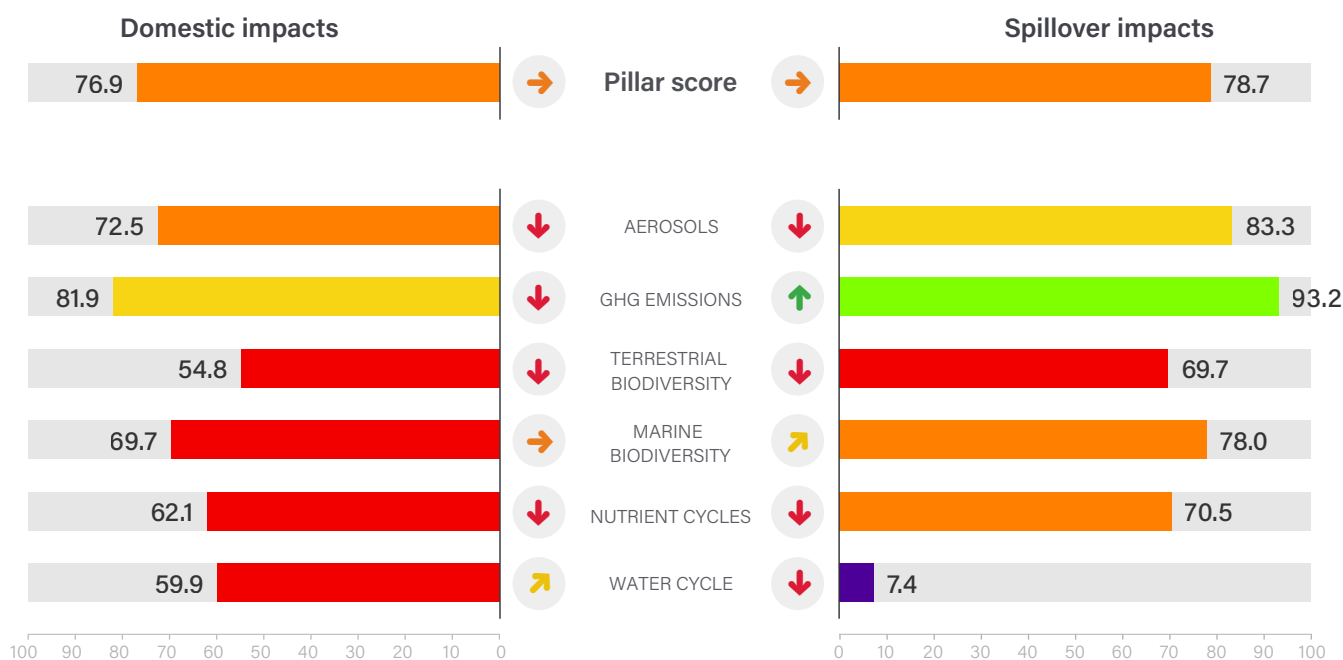
Africa

Land area	569,140 sq. km	Population	53.8 million
GDP (PPP, constant 2017 US\$, billions)	\$226.9	GDP per capita	\$4,220
Human Development Index (HDI)	0.575	HDI category	Medium



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

Green	95–100	None or limited
Light Green	90–95	Low
Yellow	80–90	Medium-low
Orange	70–80	Medium-high
Red	50–70	High
Dark Red	30–50	Very high
Purple	0–30	Extreme

Trajectories

Based on 5-year growth rates

Green arrow up	Projected to meet 2050 threshold
Yellow arrow up-right	Projected to meet 2030 threshold only
Orange arrow right	Insufficient progress toward threshold
Red arrow down	Headed in wrong direction

Kenya

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	1.46	kg/capita	88.1	● ↓	75.08	Gg	2018
Spillover SO ₂ emissions	1.12	kg/capita	87.8	● ↓	53.60	Gg	2015
Domestic NO _x emissions	3.51	kg/capita	100.0	● ↓	180.63	Gg	2018
Spillover NO _x emissions	0.97	kg/capita	88.8	● ↓	46.33	Gg	2015
Domestic black carbon emissions	0.73	kg/capita	43.3	● →	37.27	Gg	2018
Spillover black carbon emissions	0.07	kg/capita	74.2	● →	3.39	Gg	2015
GHG Emissions							
Domestic GHG emissions	3.19	t CO ₂ e/capita	81.9	● ↓	167.54	Tg	2019
Spillover GHG emissions	0.52	t CO ₂ e/capita	93.2	● ↑	26.65	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	NA	t CO ₂ e/capita	NA	● ●	NA	Tg	NA
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	34.20	%	67.7	● ↓	34.20	%	2020
Unprotected freshwater biodiversity sites	36.85	%	66.2	● ↓	36.85	%	2020
Domestic land use related biodiversity loss	1.98 × 10 ⁻¹²	global PDF/capita	97.4	● →	1.02 × 10 ⁻⁴	global PDF	2018
Spillover land use related biodiversity loss	9.57 × 10 ⁻¹³	global PDF/capita	97.3	● ↓	4.92 × 10 ⁻⁵	global PDF	2018
Domestic freshwater biodiversity threats	0.50	spp./million	33.6	● ●	25.63	species	2018
Spillover freshwater biodiversity threats	0.18	spp./million	271	● ●	9.27	species	2018
Domestic deforestation	0.48	%	64.3	● ↓	1.59 × 10 ⁴	hectares	2020
Spillover deforestation	8.74 × 10 ⁻⁴	ha/capita	89.3	● ↓	4.49 × 10 ⁴	hectares	2018
Red List Index of species survival	0.79	scale 0 to 1	39.2	● ↓	0.79	scale 0 to 1	2021
Biodiversity Habitat Index	0.37	scale 0 to 1	12.6	● ●	0.37	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	1.40 × 10 ⁻⁴	WOE/million	98.5	● ●	7.38 × 10 ³	WOE	2019
Spillover endangered terrestrial animals	1.90 × 10 ⁻⁸	WOE/capita	100.0	● ●	1.00	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	2.66 × 10 ⁻⁷	WOE/million	100.0	● ●	1.40 × 10	WOE	2019
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE	2019
Unprotected marine biodiversity sites	43.10	%	57.3	● ↓	43.10	%	2020
Domestic marine biodiversity threats	0.14	spp./million	57.0	● ●	7.29	species	2018
Spillover marine biodiversity threats	0.01	spp./million	58.9	● ●	0.56	species	2018
Fish caught from overexploited or collapsed stocks	22.16	%	64.7	● ↓	22.16	%	2018
Fish caught by trawling	0.00	%	100.0	● ●	0.00	%	2018
Domestic vulnerable fisheries catch	0.85	tonnes/capita	70.6	● ↗	0.04	Tg	2018
Spillover vulnerable fisheries catch	0.62	tonnes/capita	80.7	● ↗	0.03	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	0.87	scale 0 to 1.4	25.4	● →	0.87	scale 0 to 1.4	2015
Domestic nitrogen surplus	2.90	kg/capita	93.0	● ↓	138.99	Gg	2015
Spillover nitrogen surplus	1.23	kg/capita	56.1	● ↓	58.72	Tg	2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt	NA
Spillover phosphorus fertilizer	0.54	g/capita	88.6	● ↓	27.51	kt	2018
Water Cycle							
Domestic scarce water consumption	0.99	m ³ H ₂ O-eq./capita	62.4	● ↗	50.84	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	155.33	m ³ H ₂ O-eq./capita	10.9	● ↓	2,838.80	Mm ³ H ₂ O-eq.	2018
Domestic water stress	0.33	ML H ₂ O-eq./capita	50.9	● ↗	16.75	Bm ³ H ₂ O-eq.	2018
Spillover water stress	5.49	m ³ H ₂ O-eq./capita	14.2	● ↓	100.40	Mm ³ H ₂ O-eq.	2018

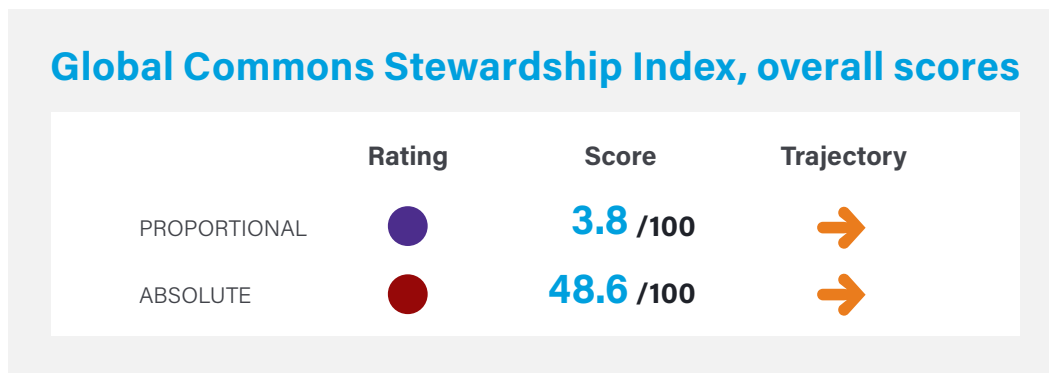
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Kuwait

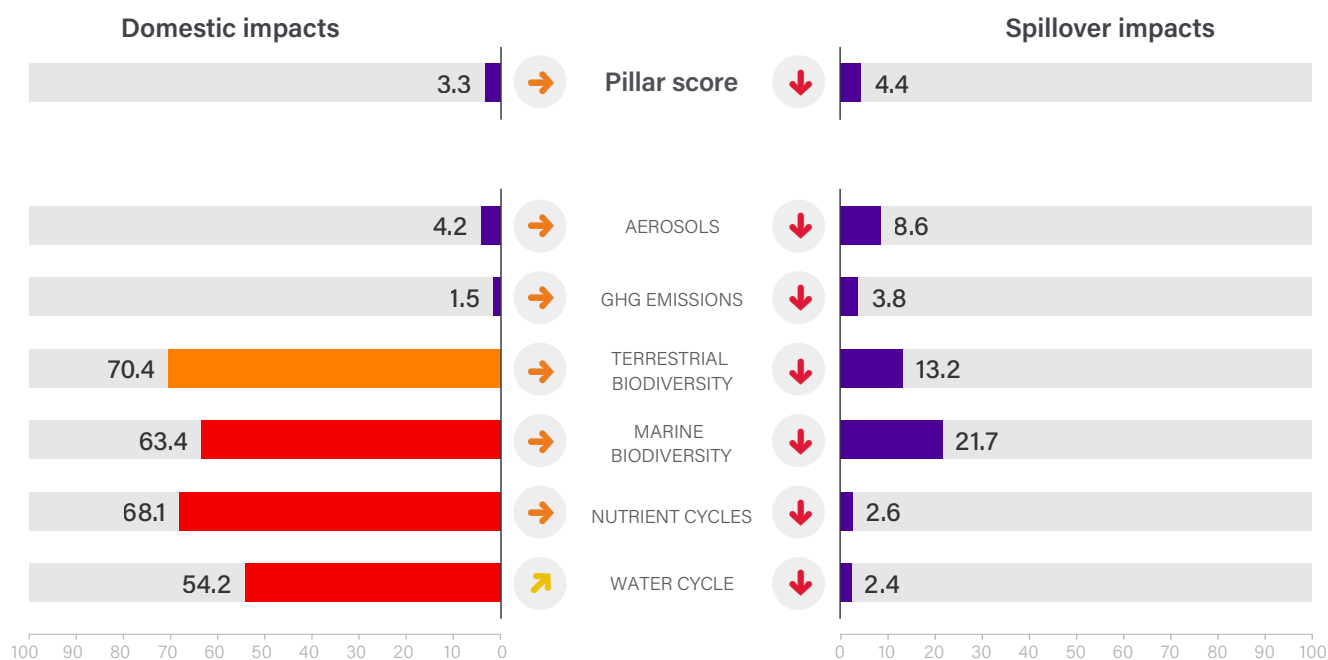
Middle East and North Africa

Land area	17,820 sq. km	Population	4.3 million
GDP (PPP, constant 2017 US\$, billions)	\$191.5	GDP per capita	\$44,847
Human Development Index (HDI)	0.831	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories



The Global Commons Stewardship Index

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Dashboard categories

Negative impacts on the Global Commons

	95–100	None or limited
	90–95	Low
	80–90	Medium-low
	70–80	Medium-high
	50–70	High
	30–50	Very high
	0–30	Extreme



























Trajectories

Based on 5-year growth rates

	Projected to meet 2050 threshold
	Projected to meet 2030 threshold only
	Insufficient progress toward threshold
	Headed in wrong direction

Kuwait

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	162.44	kg/capita	1.0	 	672.06	Gg	2018
Spillover SO ₂ emissions	20.15	kg/capita	8.1	 	77.28	Gg	2015
Domestic NO _x emissions	53.27	kg/capita	1.0	 	220.38	Gg	2018
Spillover NO _x emissions	20.42	kg/capita	7.8	 	78.33	Gg	2015
Domestic black carbon emissions	0.40	kg/capita	72.8	 	1.65	Gg	2018
Spillover black carbon emissions	0.71	kg/capita	10.2	 	2.74	Gg	2015
GHG Emissions							
Domestic GHG emissions	34.77	t CO ₂ e/capita	1.0	 	146.26	Tg	2019
Spillover GHG emissions	12.54	t CO ₂ e/capita	3.8	 	51.89	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	18.62	t CO ₂ e/capita	4.8	 	79.51	Tg	2020
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	51.65	%	50.0	 	51.65	%	2020
Unprotected freshwater biodiversity sites	NA	%	NA	 	NA	%	NA
Domestic land use related biodiversity loss	1.82 × 10 ⁻¹⁴	global PDF/capita	100.0	 	7.53 × 10 ⁻⁸	global PDF	2018
Spillover land use related biodiversity loss	1.77 × 10 ⁻¹¹	global PDF/capita	1.0	 	7.33 × 10 ⁻⁵	global PDF	2018
Domestic freshwater biodiversity threats	0.00	spp./million	94.4	 	0.02	species	2018
Spillover freshwater biodiversity threats	0.69	spp./million	4.5	 	2.84	species	2018
Domestic deforestation	NA	%	NA	 	NA	hectares	NA
Spillover deforestation	2.26 × 10 ⁻³	ha/capita	69.0	 	9.34 × 10 ³	hectares	2018
Red List Index of species survival	0.84	scale 0 to 1	53.0	 	0.84	scale 0 to 1	2021
Biodiversity Habitat Index	0.53	scale 0 to 1	35.3	 	0.53	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	0.00	WOE/million	100.0	 	0.00	WOE	2019
Spillover endangered terrestrial animals	1.95 × 10 ⁻⁴	WOE/capita	97.7	 	8.19 × 10 ²	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	0.00	WOE/million	100.0	 	0.00	WOE	2019
Spillover endangered marine animals	1.14 × 10 ⁻³	WOE/capita	27.3	 	4.79 × 10 ³	WOE	2019
Unprotected marine biodiversity sites	32.08	%	68.2	 	32.08	%	2020
Domestic marine biodiversity threats	0.11	spp./million	59.9	 	0.47	species	2018
Spillover marine biodiversity threats	0.37	spp./million	13.8	 	1.54	species	2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	 	NA	%	NA
Fish caught by trawling	0.00	%	100.0	 	0.00	%	2018
Domestic vulnerable fisheries catch	12.73	tonnes/capita	35.0	 	0.05	Tg	2018
Spillover vulnerable fisheries catch	15.23	tonnes/capita	27.2	 	0.06	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	0.69	scale 0 to 1.4	40.9	 	0.69	scale 0 to 1.4	2015
Domestic nitrogen surplus	0.34	kg/capita	100.0	 	1.29	Gg	2015
Spillover nitrogen surplus	43.64	kg/capita	1.0	 	167.39	Tg	2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	 	NA	kt	NA
Spillover phosphorus fertilizer	7.48	g/capita	7.0	 	30.93	kt	2018
Water Cycle							
Domestic scarce water consumption	1.84	m ³ H ₂ O-eq./capita	55.4	 	7.62	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	3.07	m ³ H ₂ O-eq./capita	100.0	 	19.43	Mm ³ H ₂ O-eq.	2018
Domestic water stress	0.35	ML H ₂ O-eq./capita	49.8	 	1.46	Bm ³ H ₂ O-eq.	2018
Spillover water stress	0.45	m ³ H ₂ O-eq./capita	78.8	 	2.85	Mm ³ H ₂ O-eq.	2018

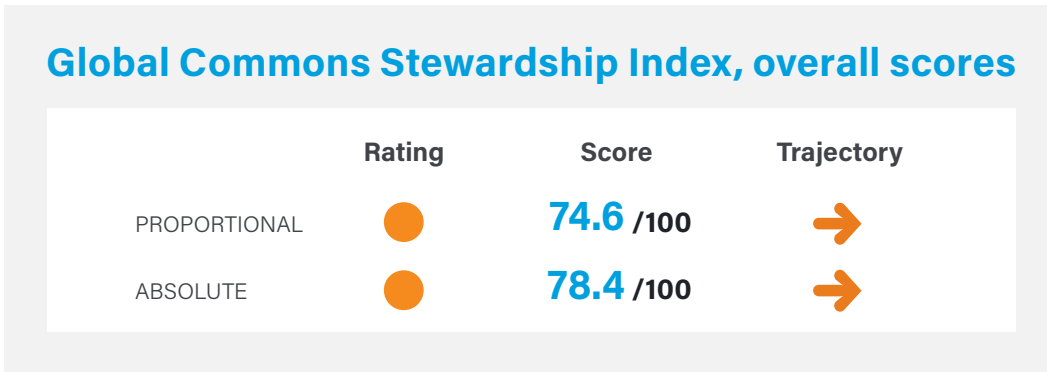
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Kyrgyzstan

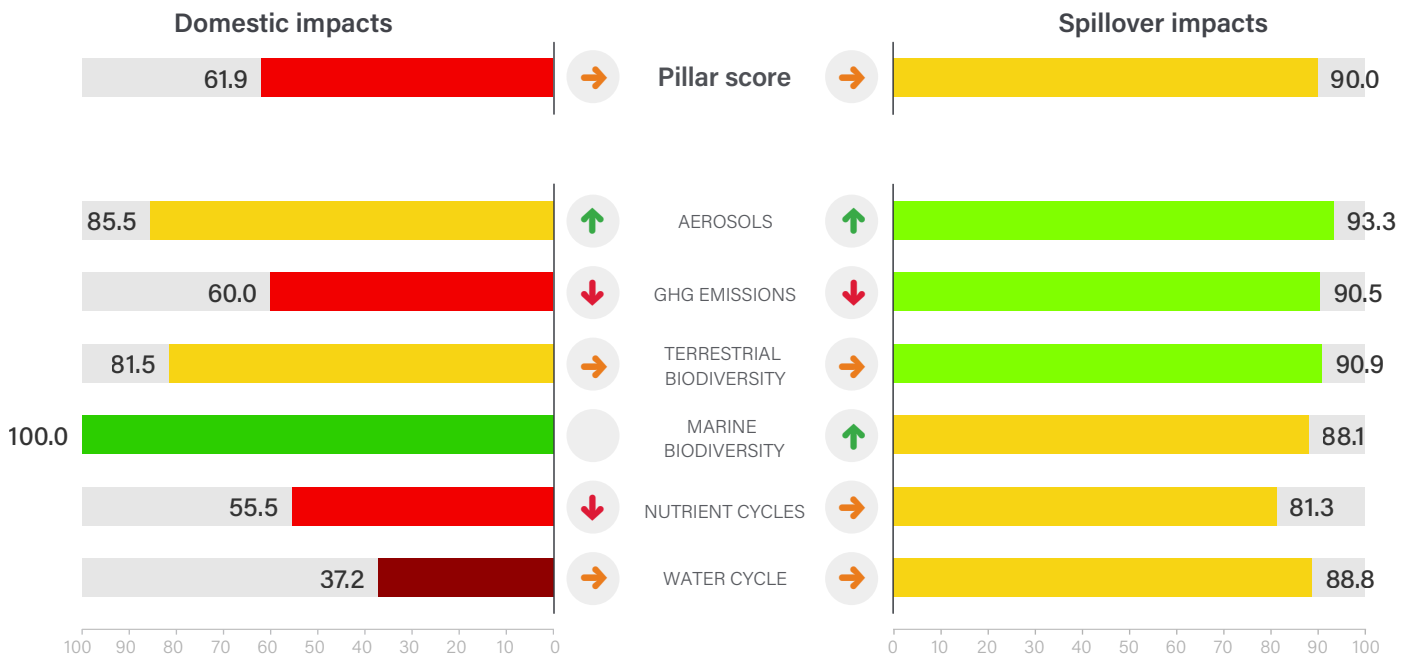
Eastern Europe and Central Asia

Land area	191,800 sq. km	Population	6.6 million
GDP (PPP, constant 2017 US\$, billions)	\$31.0	GDP per capita	\$4,707
Human Development Index (HDI)	0.692	HDI category	Medium



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

95–100	None or limited
90–95	Low
80–90	Medium-low
70–80	Medium-high
50–70	High
30–50	Very high
0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Kyrgyzstan

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	4.38	kg/capita	62.8	●	↑	27.69 Gg 2018
Spillover SO ₂ emissions	0.55	kg/capita	100.0	●	↑	3.28 Gg 2015
Domestic NO _x emissions	4.87	kg/capita	100.0	●	↑	30.78 Gg 2018
Spillover NO _x emissions	1.29	kg/capita	81.2	●	↗	7.66 Gg 2015
Domestic black carbon emissions	0.10	kg/capita	99.5	●	↑	0.65 Gg 2018
Spillover black carbon emissions	0.02	kg/capita	100.0	●	↑	0.12 Gg 2015
GHG Emissions						
Domestic GHG emissions	3.33	t CO ₂ e/capita	80.2	●	↓	21.50 Tg 2019
Spillover GHG emissions	0.57	t CO ₂ e/capita	90.5	●	↓	3.62 Tg 2018
CO ₂ emissions embodied in fossil fuel exports	0.22	t CO ₂ e/capita	25.1	●	●	1.44 Tg 2021
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	23.60	%	78.4	●	↓	23.60 % 2020
Unprotected freshwater biodiversity sites	35.40	%	67.7	●	↓	35.40 % 2020
Domestic land use related biodiversity loss	1.35 × 10 ⁻¹¹	global PDF/capita	82.1	●	↗	8.52 × 10 ⁻⁵ global PDF 2018
Spillover land use related biodiversity loss	3.94 × 10 ⁻¹³	global PDF/capita	100.0	●	↑	2.49 × 10 ⁻⁶ global PDF 2018
Domestic freshwater biodiversity threats	0.01	spp./million	89.0	●	●	0.04 species 2018
Spillover freshwater biodiversity threats	0.02	spp./million	68.2	●	●	0.10 species 2018
Domestic deforestation	0.00	%	100.0	●	↑	5.70 × 10 ⁻² hectares 2020
Spillover deforestation	7.61 × 10 ⁻⁵	ha/capita	100.0	●	↓	4.81 × 10 ² hectares 2018
Red List Index of species survival	0.98	scale 0 to 1	98.3	●	↓	0.98 scale 0 to 1 2021
Biodiversity Habitat Index	0.47	scale 0 to 1	26.7	●	●	0.47 scale 0 to 1 2020
Domestic export of endangered terrestrial animals	8.01 × 10 ⁻⁵	WOE/million	99.2	●	●	5.17 × 10 ² WOE 2019
Spillover endangered terrestrial animals	4.65 × 10 ⁻⁷	WOE/capita	100.0	●	●	3.00 WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	NA	WOE/million	NA	●	●	NA WOE NA
Spillover endangered marine animals	0.00	WOE/capita	100.0	●	●	0.00 WOE 2019
Unprotected marine biodiversity sites	NA	%	NA	●	●	NA % NA
Domestic marine biodiversity threats	0.00	spp./million	100.0	●	●	0.03 species 2018
Spillover marine biodiversity threats	0.00	spp./million	74.1	●	●	0.02 species 2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	●	●	NA % NA
Fish caught by trawling	NA	%	NA	●	●	NA % NA
Domestic vulnerable fisheries catch	NA	tonnes/capita	NA	●	●	NA Tg NA
Spillover vulnerable fisheries catch	0.31	tonnes/capita	92.3	●	↑	0.00 tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.64	scale 0 to 1.4	45.5	●	↓	0.64 scale 0 to 1.4 2015
Domestic nitrogen surplus	4.55	kg/capita	88.3	●	↓	27.08 Gg 2015
Spillover nitrogen surplus	0.73	kg/capita	66.0	●	↗	4.33 Tg 2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	●	●	NA kt NA
Spillover phosphorus fertilizer	0.35	g/capita	100.0	●	↓	2.23 kt 2018
Water Cycle						
Domestic scarce water consumption	4.36	m ³ H ₂ O-eq./capita	45.7	●	↗	27.58 Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	6.79	m ³ H ₂ O-eq./capita	92.4	●	↑	110.26 Mm ³ H ₂ O-eq. 2018
Domestic water stress	4.70	ML H ₂ O-eq./capita	16.4	●	↗	29.73 Bm ³ H ₂ O-eq. 2018
Spillover water stress	0.22	m ³ H ₂ O-eq./capita	97.2	●	↓	3.60 Mm ³ H ₂ O-eq. 2018

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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Laos

East and South Asia

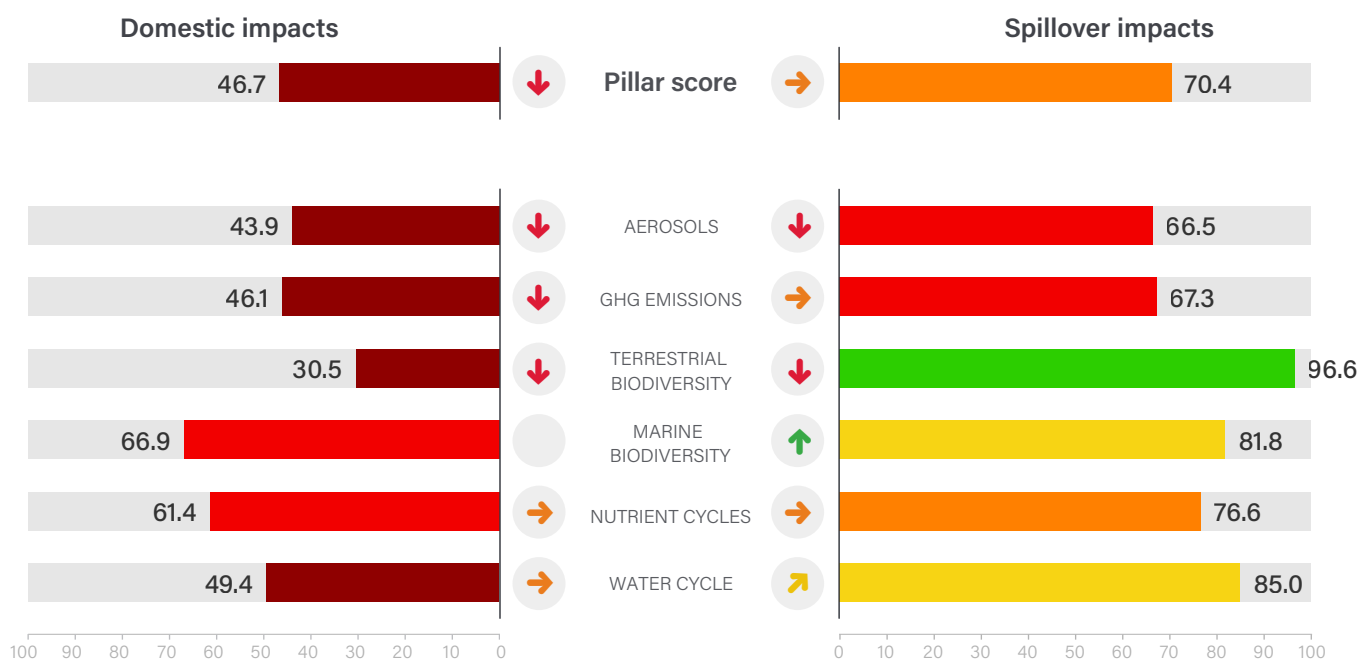
Land area	230,800 sq. km	Population	7.3 million
GDP (PPP, constant 2017 US\$, billions)	\$56.8	GDP per capita	\$7,806
Human Development Index (HDI)	0.607	HDI category	Medium

Global Commons Stewardship Index, overall scores

	Rating	Score	Trajectory
PROPORTIONAL	●	57.3 /100	→
ABSOLUTE	●	69.8 /100	→

Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

95–100	None or limited
90–95	Low
80–90	Medium-low
70–80	Medium-high
50–70	High
30–50	Very high
0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Laos

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	19.16	kg/capita	28.9			135.33 Gg
Spillover SO ₂ emissions	2.02	kg/capita	71.5			13.64 Gg
Domestic NO _x emissions	11.16	kg/capita	87.2			78.80 Gg
Spillover NO _x emissions	2.07	kg/capita	68.5			13.98 Gg
Domestic black carbon emissions	0.83	kg/capita	33.7			5.87 Gg
Spillover black carbon emissions	0.12	kg/capita	60.1			0.79 Gg
GHG Emissions						
Domestic GHG emissions	6.79	t CO ₂ e/capita	52.6			48.68 Tg
Spillover GHG emissions	1.31	t CO ₂ e/capita	67.3			9.22 Tg
CO ₂ emissions embodied in fossil fuel exports	0.06	t CO ₂ e/capita	31.0			0.44 Tg
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	44.04	%	57.7			44.04 %
Unprotected freshwater biodiversity sites	29.87	%	73.4			29.87 %
Domestic land use related biodiversity loss	2.55 × 10 ⁻¹¹	global PDF/capita	66.1			1.80 × 10 ⁻⁴ global PDF
Spillover land use related biodiversity loss	1.83 × 10 ⁻¹²	global PDF/capita	92.1			1.29 × 10 ⁻⁵ global PDF
Domestic freshwater biodiversity threats	20.02	spp./million	1.0			141.34 species
Spillover freshwater biodiversity threats	0.00	spp./million	95.8			0.02 species
Domestic deforestation	1.89	%	1.0			3.39 × 10 ⁵ hectares
Spillover deforestation	2.36 × 10 ⁻⁴	ha/capita	98.7			1.66 × 10 ³ hectares
Red List Index of species survival	0.81	scale 0 to 1	46.3			0.81 scale 0 to 1
Biodiversity Habitat Index	0.47	scale 0 to 1	26.5			0.47 scale 0 to 1
Domestic export of endangered terrestrial animals	0.00	WOE/million	100.0			0.00 WOE
Spillover endangered terrestrial animals	0.00	WOE/capita	100.0			0.00 WOE
Marine Biodiversity Loss						
Domestic export of endangered marine animals	NA	WOE/million	NA			NA WOE
Spillover endangered marine animals	0.00	WOE/capita	100.0			0.00 WOE
Unprotected marine biodiversity sites	NA	%	NA			NA %
Domestic marine biodiversity threats	0.07	spp./million	66.9			0.49 species
Spillover marine biodiversity threats	0.00	spp./million	89.0			0.01 species
Fish caught from overexploited or collapsed stocks	NA	%	NA			NA %
Fish caught by trawling	NA	%	NA			NA %
Domestic vulnerable fisheries catch	NA	tonnes/capita	NA			NA Tg
Spillover vulnerable fisheries catch	1.94	tonnes/capita	61.6			0.01 tonnes
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.44	scale 0 to 1.4	62.4			0.44 scale 0 to 1.4
Domestic nitrogen surplus	4.77	kg/capita	87.6			32.17 Gg
Spillover nitrogen surplus	0.26	kg/capita	85.3			1.78 Tg
Domestic phosphorus fertilizer	NA	kg/capita	NA			NA kt
Spillover phosphorus fertilizer	1.02	g/capita	68.8			7.17 kt
Water Cycle						
Domestic scarce water consumption	3.68	m ³ H ₂ O-eq./capita	47.6			26.02 Mm ³ H ₂ O-eq.
Spillover scarce water consumption	85.88	m ³ H ₂ O-eq./capita	26.3			4,431.90 Mm ³ H ₂ O-eq.
Domestic water stress	0.19	ML H ₂ O-eq./capita	57.6			1.37 Bm ³ H ₂ O-eq.
Spillover water stress	3.92	m ³ H ₂ O-eq./capita	22.9			202.39 Mm ³ H ₂ O-eq.

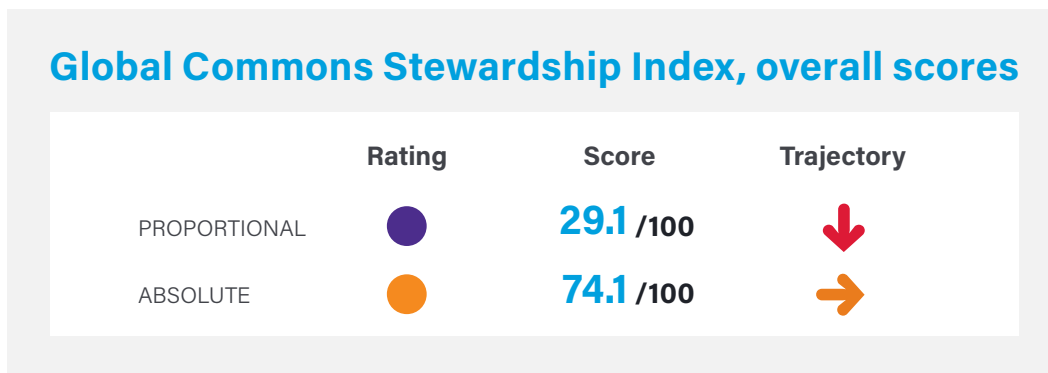
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Latvia

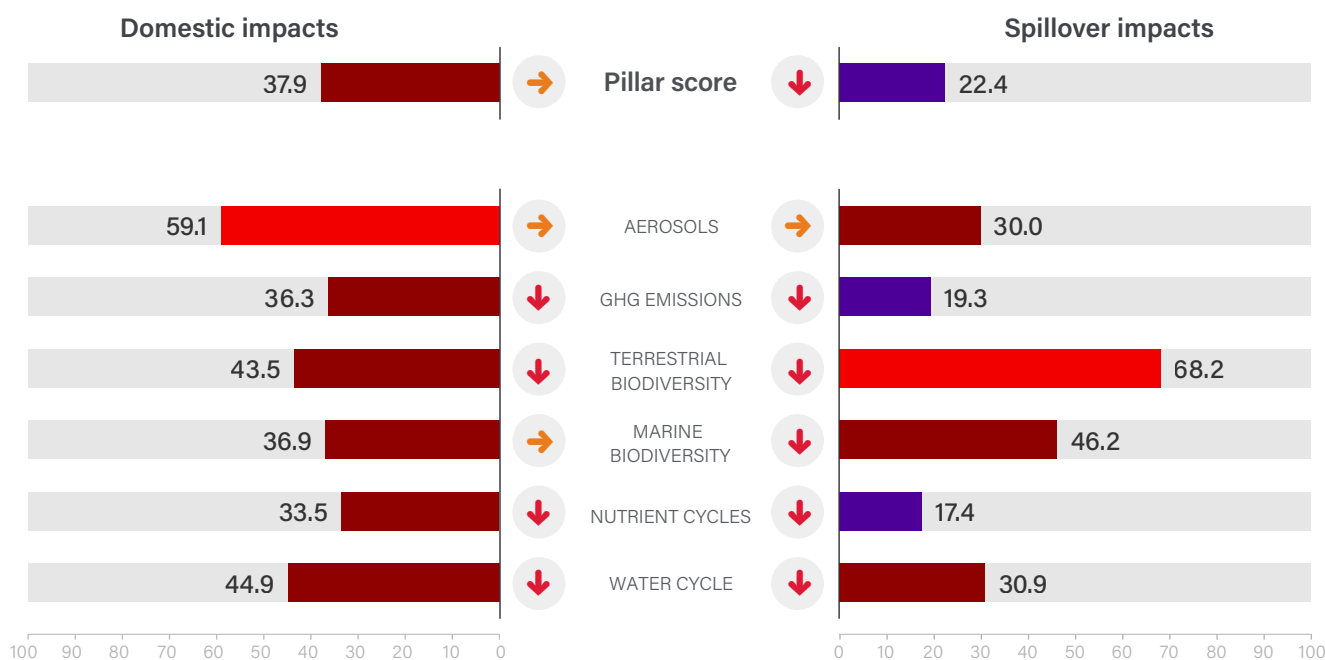
OECD Member

Land area	62,090 sq. km	Population	1.9 million
GDP (PPP, constant 2017 US\$, billions)	\$56.9	GDP per capita	\$29,932
Human Development Index (HDI)	0.863	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories

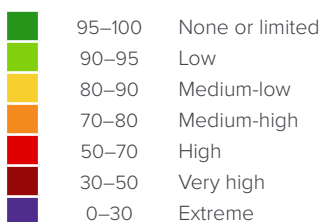


The Global Commons Stewardship Index

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Dashboard categories

Negative impacts on the Global Commons



Trajectories

Based on 5-year growth rates



Latvia

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	2.20	kg/capita	78.6	● ↑	4.24	Gg	2018
Spillover SO ₂ emissions	8.22	kg/capita	32.8	● →	16.26	Gg	2015
Domestic NO _x emissions	13.68	kg/capita	82.0	● ↓	26.37	Gg	2018
Spillover NO _x emissions	11.38	kg/capita	23.3	● →	22.50	Gg	2015
Domestic black carbon emissions	0.85	kg/capita	32.1	● ↓	1.64	Gg	2018
Spillover black carbon emissions	0.29	kg/capita	35.3	● ↓	0.57	Gg	2015
GHG Emissions							
Domestic GHG emissions	10.46	t CO ₂ e/capita	35.8	● ↓	20.01	Tg	2019
Spillover GHG emissions	7.22	t CO ₂ e/capita	19.3	● ↓	13.91	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	0.01	t CO ₂ e/capita	37.9	● ●	0.03	Tg	2021
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	97.24	%	3.8	● ↓	97.24	%	2020
Unprotected freshwater biodiversity sites	97.49	%	3.6	● ↓	97.49	%	2020
Domestic land use related biodiversity loss	2.13 × 10 ⁻¹²	global PDF/capita	97.2	● ↓	4.11 × 10 ⁻⁶	global PDF	2018
Spillover land use related biodiversity loss	4.93 × 10 ⁻¹²	global PDF/capita	73.5	● ↓	9.50 × 10 ⁻⁶	global PDF	2018
Domestic freshwater biodiversity threats	0.13	spp./million	52.0	● ●	0.25	species	2018
Spillover freshwater biodiversity threats	0.02	spp./million	61.0	● ●	0.05	species	2018
Domestic deforestation	1.39	%	1.0	● ↓	5.13 × 10 ⁴	hectares	2020
Spillover deforestation	3.38 × 10 ⁻³	ha/capita	52.5	● ↓	6.52 × 10 ³	hectares	2018
Red List Index of species survival	0.99	scale 0 to 1	100.0	● ↓	0.99	scale 0 to 1	2021
Biodiversity Habitat Index	0.47	scale 0 to 1	26.8	● ●	0.47	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	5.23 × 10 ⁻⁷	WOE/million	100.0	● ●	1.00	WOE	2019
Spillover endangered terrestrial animals	6.80 × 10 ⁻⁴	WOE/capita	92.0	● ●	1.30 × 10 ³	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE	2019
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE	2019
Unprotected marine biodiversity sites	96.19	%	4.8	● ↓	96.19	%	2020
Domestic marine biodiversity threats	0.02	spp./million	85.8	● ●	0.03	species	2018
Spillover marine biodiversity threats	0.00	spp./million	76.3	● ●	0.01	species	2018
Fish caught from overexploited or collapsed stocks	5.25	%	91.7	● ↑	5.25	%	2018
Fish caught by trawling	0.00	%	100.0	● ↓	0.00	%	2018
Domestic vulnerable fisheries catch	62.54	tonnes/capita	14.1	● ↓	0.12	Tg	2018
Spillover vulnerable fisheries catch	35.81	tonnes/capita	12.9	● ↓	0.07	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	0.56	scale 0 to 1.4	52.1	● →	0.56	scale 0 to 1.4	2015
Domestic nitrogen surplus	22.51	kg/capita	36.5	● ↓	44.52	Gg	2015
Spillover nitrogen surplus	7.72	kg/capita	21.2	● ↓	15.26	Tg	2015
Domestic phosphorus fertilizer	13.64	kg/capita	22.5	● ↓	26.29	kt	2018
Spillover phosphorus fertilizer	5.89	g/capita	14.3	● ↓	11.36	kt	2018
Water Cycle							
Domestic scarce water consumption	8.18	m ³ H ₂ O-eq./capita	38.6	● ↓	15.76	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	187.67	m ³ H ₂ O-eq./capita	6.0	● ↓	776.44	Mm ³ H ₂ O-eq.	2018
Domestic water stress	0.03	ML H ₂ O-eq./capita	81.8	● ↓	0.06	Bm ³ H ₂ O-eq.	2018
Spillover water stress	12.27	m ³ H ₂ O-eq./capita	1.0	● ↓	50.78	Mm ³ H ₂ O-eq.	2018

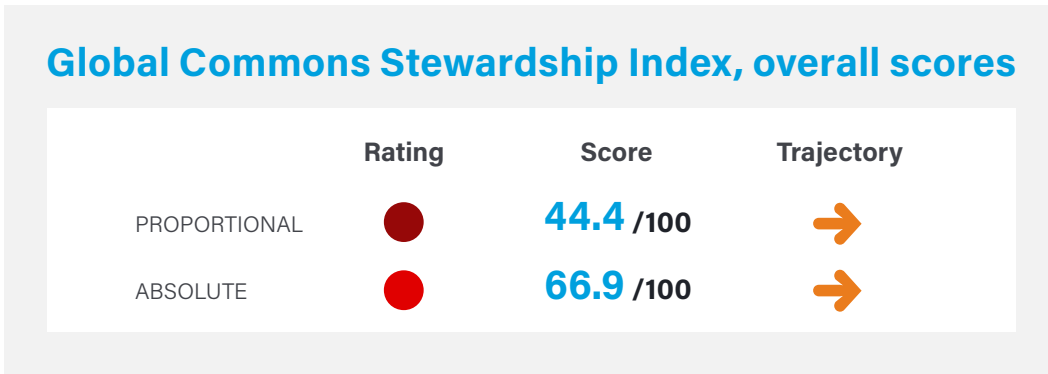
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Lebanon

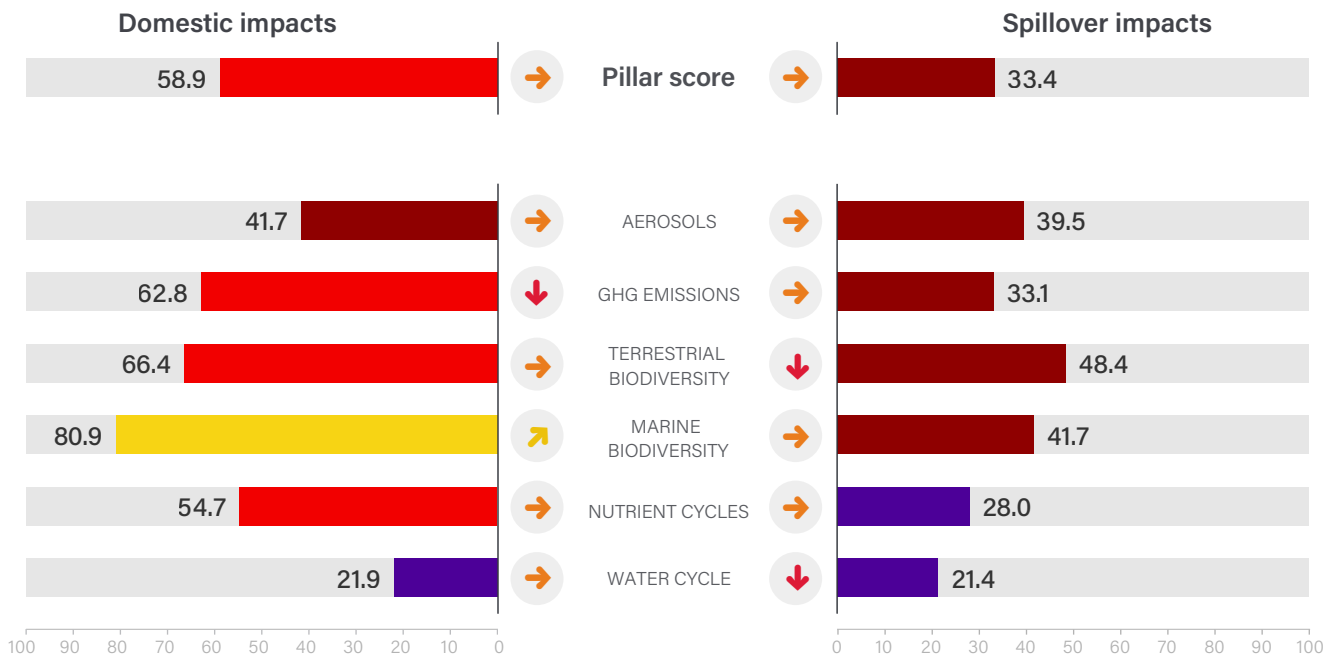
Middle East and North Africa

Land area	10,230 sq. km	Population	6.8 million
GDP (PPP, constant 2017 US\$, billions)	\$79.5	GDP per capita	\$11,649
Human Development Index (HDI)	0.706	HDI category	High



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons



Trajectories

Based on 5-year growth rates



Lebanon

Performance by Indicator

Indicator	Proportional					Absolute		Year
	Value	Units	Score			Value	Units	
Aerosols								
Domestic SO ₂ emissions	34.10	kg/capita	15.6	●	↓	233.92	Gg	2018
Spillover SO ₂ emissions	6.72	kg/capita	38.4	●	→	43.92	Gg	2015
Domestic NO _x emissions	29.19	kg/capita	50.3	●	↓	200.19	Gg	2018
Spillover NO _x emissions	6.65	kg/capita	37.6	●	→	43.42	Gg	2015
Domestic black carbon emissions	0.18	kg/capita	92.3	●	↗	1.25	Gg	2018
Spillover black carbon emissions	0.22	kg/capita	42.9	●	→	1.44	Gg	2015
GHG Emissions								
Domestic GHG emissions	5.22	t CO ₂ e/capita	62.8	●	↓	35.78	Tg	2019
Spillover GHG emissions	4.41	t CO ₂ e/capita	33.1	●	→	30.26	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	NA	t CO ₂ e/capita	NA	●	●	NA	Tg	NA
Terrestrial Biodiversity Loss								
Unprotected terrestrial biodiversity sites	12.34	%	89.8	●	↓	12.34	%	2020
Unprotected freshwater biodiversity sites	21.06	%	82.5	●	↓	21.06	%	2020
Domestic land use related biodiversity loss	2.58 × 10 ⁻¹²	global PDF/capita	96.6	●	→	1.77 × 10 ⁻⁵	global PDF	2018
Spillover land use related biodiversity loss	1.21 × 10 ⁻¹¹	global PDF/capita	30.5	●	↓	8.30 × 10 ⁻⁵	global PDF	2018
Domestic freshwater biodiversity threats	0.32	spp./million	39.7	●	●	2.19	species	2018
Spillover freshwater biodiversity threats	0.08	spp./million	40.3	●	●	0.56	species	2018
Domestic deforestation	0.60	%	54.9	●	↓	3.47 × 10 ²	hectares	2020
Spillover deforestation	3.91 × 10 ⁻³	ha/capita	44.7	●	↓	2.68 × 10 ⁴	hectares	2018
Red List Index of species survival	0.93	scale 0 to 1	82.4	●	↓	0.93	scale 0 to 1	2021
Biodiversity Habitat Index	0.32	scale 0 to 1	5.9	●	●	0.32	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	1.46 × 10 ⁻⁷	WOE/million	100.0	●	●	1.00	WOE	2019
Spillover endangered terrestrial animals	1.10 × 10 ⁻⁵	WOE/capita	99.9	●	●	7.55 × 10	WOE	2019
Marine Biodiversity Loss								
Domestic export of endangered marine animals	0.00	WOE/million	100.0	●	●	0.00	WOE	2019
Spillover endangered marine animals	1.08 × 10 ⁻⁴	WOE/capita	93.1	●	●	7.43 × 10 ²	WOE	2019
Unprotected marine biodiversity sites	12.65	%	87.5	●	↓	12.65	%	2020
Domestic marine biodiversity threats	0.07	spp./million	67.5	●	●	0.45	species	2018
Spillover marine biodiversity threats	0.24	spp./million	19.6	●	●	1.62	species	2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	●	●	NA	%	NA
Fish caught by trawling	0.00	%	100.0	●	●	0.00	%	2018
Domestic vulnerable fisheries catch	0.99	tonnes/capita	68.5	●	↑	0.01	Tg	2018
Spillover vulnerable fisheries catch	7.16	tonnes/capita	39.8	●	→	0.05	tonnes	2018
Nutrient Cycles								
Sustainable Nitrogen Management Index	0.92	scale 0 to 1.4	21.3	●	↓	0.92	scale 0 to 1.4	2015
Domestic nitrogen surplus	3.01	kg/capita	92.7	●	↗	19.66	Gg	2015
Spillover nitrogen surplus	4.57	kg/capita	31.1	●	→	29.85	Tg	2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	●	●	NA	kt	NA
Spillover phosphorus fertilizer	4.15	g/capita	25.2	●	↓	28.48	kt	2018
Water Cycle								
Domestic scarce water consumption	20.77	m ³ H ₂ O-eq./capita	28.2	●	→	142.47	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	9.34	m ³ H ₂ O-eq./capita	84.1	●	↓	65.94	Mm ³ H ₂ O-eq.	2018
Domestic water stress	9.05	ML H ₂ O-eq./capita	8.0	●	→	62.07	Bm ³ H ₂ O-eq.	2018
Spillover water stress	0.34	m ³ H ₂ O-eq./capita	86.0	●	↓	2.41	Mm ³ H ₂ O-eq.	2018

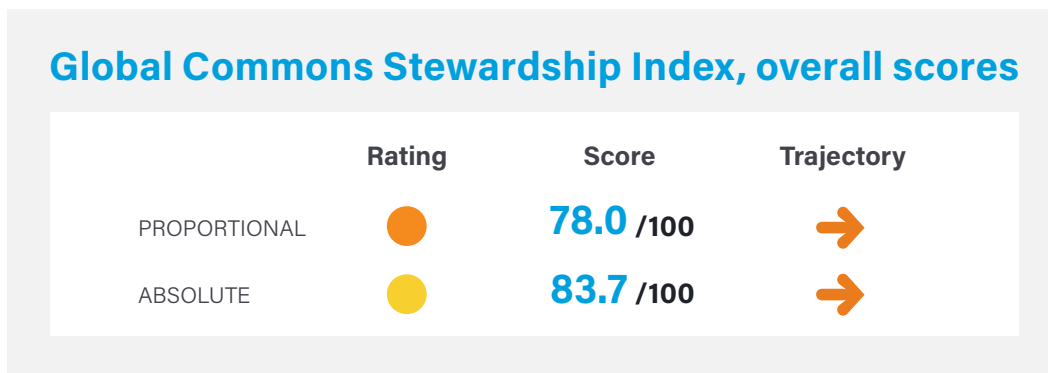
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Liberia

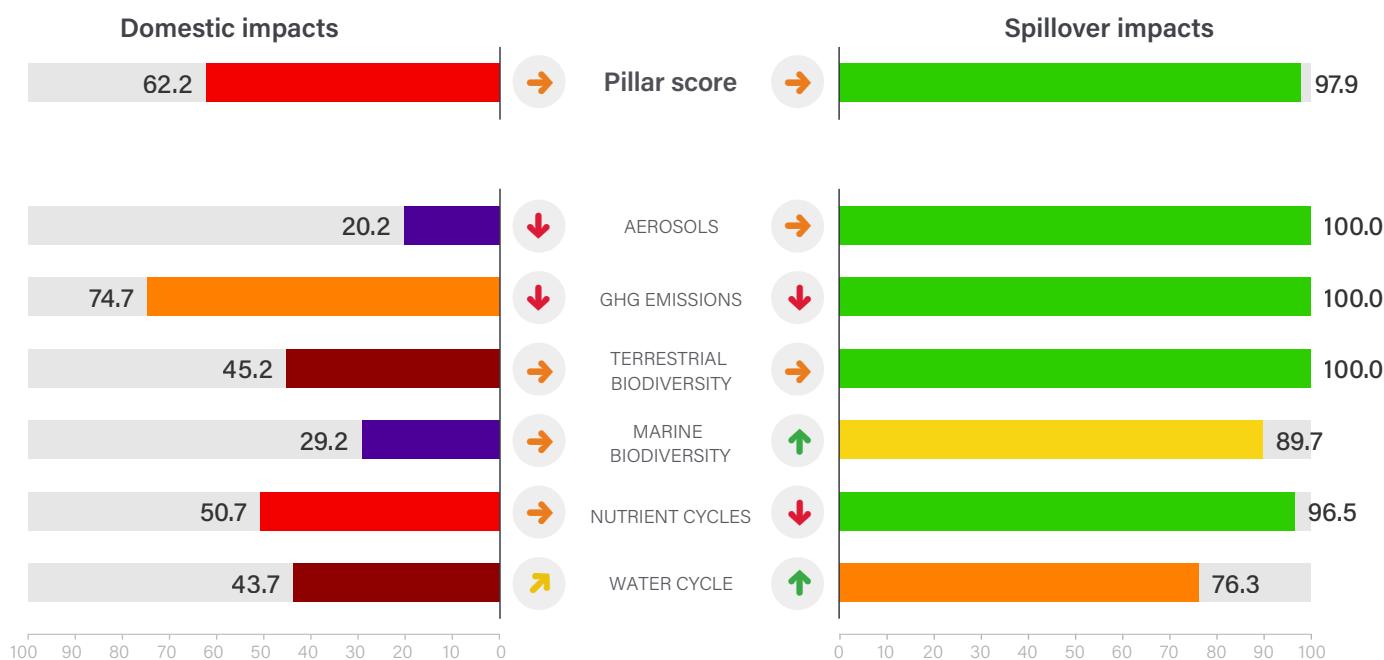
Africa

Land area	96,320 sq. km	Population	5.1 million
GDP (PPP, constant 2017 US\$, billions)	\$6.8	GDP per capita	\$1,354
Human Development Index (HDI)	0.481	HDI category	Low



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

Green	95–100	None or limited
Light Green	90–95	Low
Yellow	80–90	Medium-low
Orange	70–80	Medium-high
Red	50–70	High
Dark Red	30–50	Very high
Purple	0–30	Extreme

Trajectories

Based on 5-year growth rates

Green arrow up	Projected to meet 2050 threshold
Yellow arrow up-right	Projected to meet 2030 threshold only
Orange arrow	Insufficient progress toward threshold
Red arrow down	Headed in wrong direction

Liberia

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	1.91	kg/capita	81.9	●	↓	9.23 Gg 2018
Spillover SO ₂ emissions	0.51	kg/capita	100.0	●	↓	2.27 Gg 2015
Domestic NO _x emissions	3.66	kg/capita	100.0	●	↓	17.64 Gg 2018
Spillover NO _x emissions	0.52	kg/capita	100.0	●	↓	2.32 Gg 2015
Domestic black carbon emissions	1.32	kg/capita	1.0	●	↓	6.35 Gg 2018
Spillover black carbon emissions	0.02	kg/capita	100.0	●	↑	0.10 Gg 2015
GHG Emissions						
Domestic GHG emissions	3.84	t CO ₂ e/capita	74.7	●	↓	18.95 Tg 2019
Spillover GHG emissions	0.22	t CO ₂ e/capita	100.0	●	↓	1.04 Tg 2018
CO ₂ emissions embodied in fossil fuel exports	NA	t CO ₂ e/capita	NA	●	●	NA Tg NA
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	15.79	%	86.4	●	↓	15.79 % 2020
Unprotected freshwater biodiversity sites	24.34	%	79.2	●	↓	24.34 % 2020
Domestic land use related biodiversity loss	6.97 × 10 ⁻¹²	global PDF/capita	90.8	●	→	3.36 × 10 ⁻⁵ global PDF 2018
Spillover land use related biodiversity loss	2.90 × 10 ⁻¹³	global PDF/capita	100.0	●	↑	1.40 × 10 ⁻⁶ global PDF 2018
Domestic freshwater biodiversity threats	3.35	spp./million	7.4	●	●	16.16 species 2018
Spillover freshwater biodiversity threats	0.00	spp./million	100.0	●	●	0.01 species 2018
Domestic deforestation	2.14	%	1.0	●	↓	1.98 × 10 ⁵ hectares 2020
Spillover deforestation	4.99 × 10 ⁻⁵	ha/capita	100.0	●	↓	2.40 × 10 ² hectares 2018
Red List Index of species survival	0.90	scale 0 to 1	73.4	●	↘	0.90 scale 0 to 1 2021
Biodiversity Habitat Index	0.44	scale 0 to 1	22.1	●	●	0.44 scale 0 to 1 2020
Domestic export of endangered terrestrial animals	0.00	WOE/million	100.0	●	●	0.00 WOE 2019
Spillover endangered terrestrial animals	0.00	WOE/capita	100.0	●	●	0.00 WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	0.00	WOE/million	100.0	●	●	0.00 WOE 2019
Spillover endangered marine animals	0.00	WOE/capita	100.0	●	●	0.00 WOE 2019
Unprotected marine biodiversity sites	96.66	%	4.3	●	↓	96.66 % 2020
Domestic marine biodiversity threats	0.68	spp./million	35.2	●	●	3.29 species 2018
Spillover marine biodiversity threats	0.00	spp./million	83.8	●	●	0.01 species 2018
Fish caught from overexploited or collapsed stocks	20.18	%	67.8	●	→	20.18 % 2018
Fish caught by trawling	0.00	%	100.0	●	↑	0.00 % 2018
Domestic vulnerable fisheries catch	59.12	tonnes/capita	14.8	●	↓	0.28 Tg 2018
Spillover vulnerable fisheries catch	0.44	tonnes/capita	86.2	●	↑	0.00 tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	1.02	scale 0 to 1.4	12.7	●	↓	1.02 scale 0 to 1.4 2015
Domestic nitrogen surplus	2.17	kg/capita	95.1	●	↑	9.71 Gg 2015
Spillover nitrogen surplus	0.13	kg/capita	98.4	●	↓	0.59 Tg 2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	●	●	NA kt NA
Spillover phosphorus fertilizer	0.44	g/capita	94.6	●	↓	2.13 kt 2018
Water Cycle						
Domestic scarce water consumption	10.75	m ³ H ₂ O-eq./capita	35.6	●	↘	51.80 Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	69.21	m ³ H ₂ O-eq./capita	31.9	●	↑	474.72 Mm ³ H ₂ O-eq. 2018
Domestic water stress	0.01	ML H ₂ O-eq./capita	100.0	●	↑	0.03 Bm ³ H ₂ O-eq. 2018
Spillover water stress	5.46	m ³ H ₂ O-eq./capita	14.3	●	↑	37.48 Mm ³ H ₂ O-eq. 2018

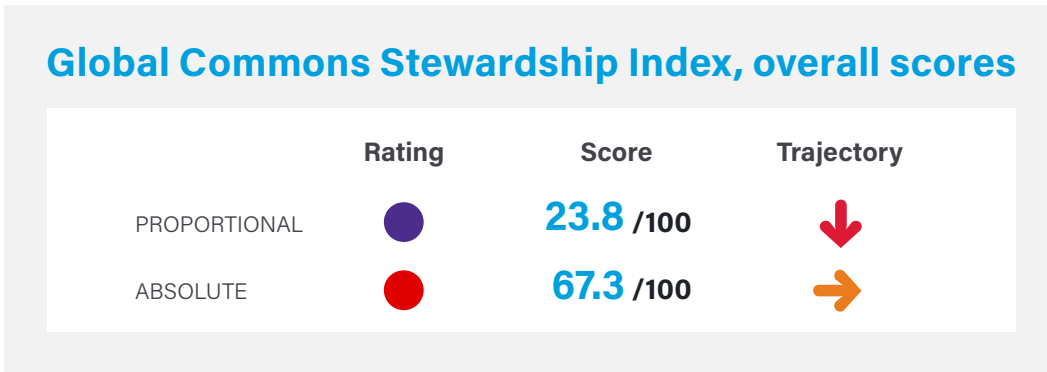
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Lithuania

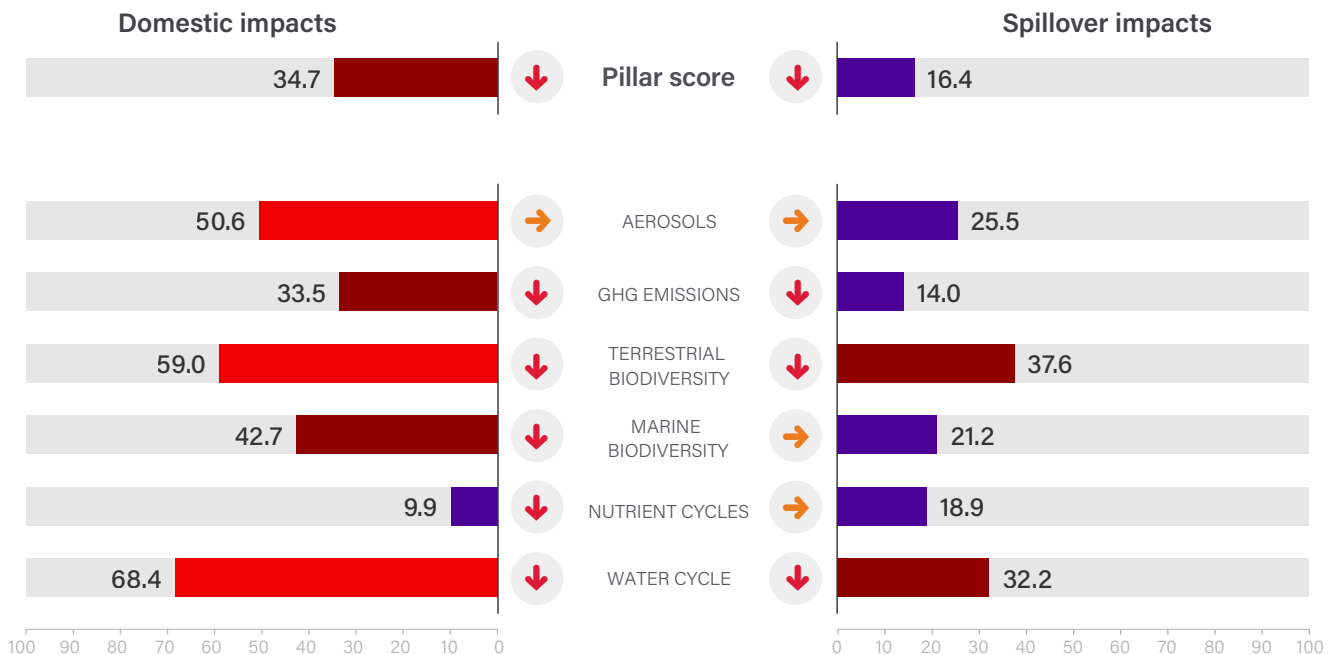
OECD Member

Land area	62,630 sq. km	Population	2.8 million
GDP (PPP, constant 2017 US\$, billions)	\$102.7	GDP per capita	\$36,732
Human Development Index (HDI)	0.875	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

	95–100	None or limited
	90–95	Low
	80–90	Medium-low
	70–80	Medium-high
	50–70	High
	30–50	Very high
	0–30	Extreme

Trajectories

Based on 5-year growth rates

	Projected to meet 2050 threshold
	Projected to meet 2030 threshold only
	Insufficient progress toward threshold
	Headed in wrong direction

Lithuania

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	4.48	kg/capita	62.3	● ↗	12.54	Gg	2018
Spillover SO ₂ emissions	10.59	kg/capita	25.8	● →	30.77	Gg	2015
Domestic NO _x emissions	16.46	kg/capita	76.3	● ↓	46.12	Gg	2018
Spillover NO _x emissions	12.92	kg/capita	20.0	● →	37.52	Gg	2015
Domestic black carbon emissions	0.90	kg/capita	27.2	● ↓	2.53	Gg	2018
Spillover black carbon emissions	0.32	kg/capita	32.1	● →	0.94	Gg	2015
GHG Emissions							
Domestic GHG emissions	11.03	t CO ₂ e/capita	33.7	● ↓	30.83	Tg	2019
Spillover GHG emissions	8.73	t CO ₂ e/capita	14.0	● ↓	24.45	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	0.04	t CO ₂ e/capita	32.7	● ●	0.12	Tg	2021
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	90.95	%	10.2	● ↓	90.95	%	2020
Unprotected freshwater biodiversity sites	95.17	%	6.0	● ↓	95.17	%	2020
Domestic land use related biodiversity loss	3.02 × 10 ⁻¹²	global PDF/capita	96.0	● →	8.46 × 10 ⁻⁶	global PDF	2018
Spillover land use related biodiversity loss	5.21 × 10 ⁻¹²	global PDF/capita	71.9	● ↓	1.46 × 10 ⁻⁵	global PDF	2018
Domestic freshwater biodiversity threats	0.10	spp./million	55.5	● ●	0.28	species	2018
Spillover freshwater biodiversity threats	0.11	spp./million	35.9	● ●	0.30	species	2018
Domestic deforestation	0.93	%	30.5	● ↓	2.23 × 10 ⁴	hectares	2020
Spillover deforestation	6.43 × 10 ⁻³	ha/capita	7.8	● ↓	1.80 × 10 ⁴	hectares	2018
Red List Index of species survival	0.99	scale 0 to 1	100.0	● ↓	0.99	scale 0 to 1	2021
Biodiversity Habitat Index	0.41	scale 0 to 1	18.3	● ●	0.41	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	0.00	WOE/million	100.0	● ●	0.00	WOE	2019
Spillover endangered terrestrial animals	7.87 × 10 ⁻⁶	WOE/capita	99.9	● ●	2.20 × 10	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE	2019
Spillover endangered marine animals	3.58 × 10 ⁻⁷	WOE/capita	100.0	● ●	1.00	WOE	2019
Unprotected marine biodiversity sites	83.45	%	17.4	● ↓	83.45	%	2020
Domestic marine biodiversity threats	0.01	spp./million	97.3	● ●	0.02	species	2018
Spillover marine biodiversity threats	0.13	spp./million	27.7	● ●	0.35	species	2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	● ●	NA	%	NA
Fish caught by trawling	34.95	%	42.9	● ↓	34.95	%	2018
Domestic vulnerable fisheries catch	11.22	tonnes/capita	36.6	● ↓	0.03	Tg	2018
Spillover vulnerable fisheries catch	63.17	tonnes/capita	3.4	● →	0.18	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	0.49	scale 0 to 1.4	58.4	● ↓	0.49	scale 0 to 1.4	2015
Domestic nitrogen surplus	34.84	kg/capita	1.0	● ↓	101.22	Gg	2015
Spillover nitrogen surplus	9.42	kg/capita	17.4	● →	27.37	Tg	2015
Domestic phosphorus fertilizer	18.33	kg/capita	14.6	● ↓	51.36	kt	2018
Spillover phosphorus fertilizer	4.82	g/capita	20.5	● ↓	13.51	kt	2018
Water Cycle							
Domestic scarce water consumption	0.71	m ³ H ₂ O-eq./capita	66.1	● ↓	1.98	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	14.67	m ³ H ₂ O-eq./capita	72.3	● ↓	70.71	Mm ³ H ₂ O-eq.	2018
Domestic water stress	0.04	ML H ₂ O-eq./capita	78.4	● ↓	0.11	Bm ³ H ₂ O-eq.	2018
Spillover water stress	0.42	m ³ H ₂ O-eq./capita	80.5	● ↓	2.04	Mm ³ H ₂ O-eq.	2018

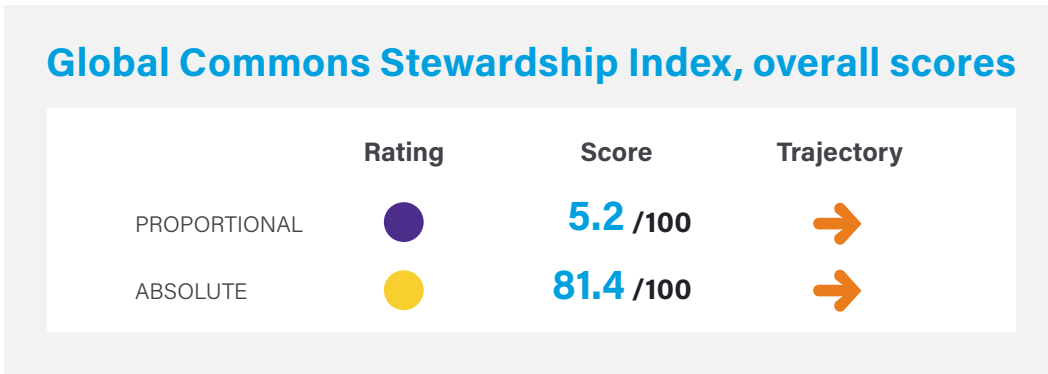
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Luxembourg

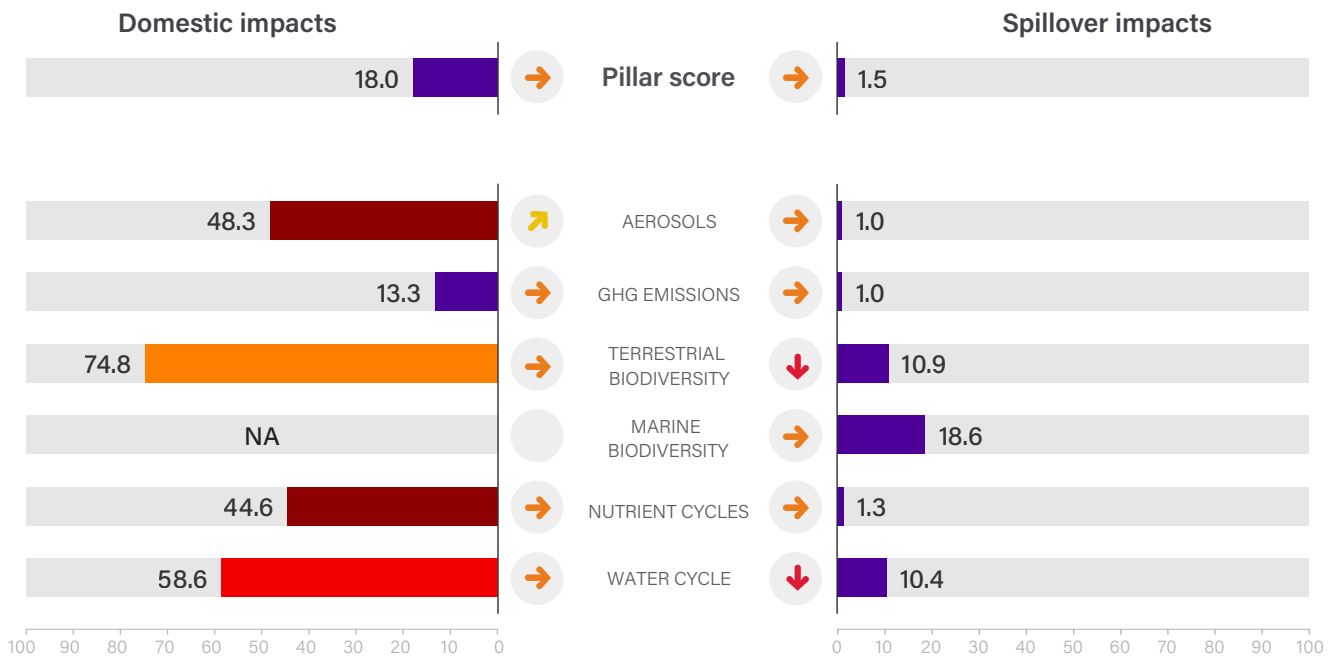
OECD Member

Land area	2,430 sq. km	Population	0.6 million
GDP (PPP, constant 2017 US\$, billions)	\$69.7	GDP per capita	\$110,261
Human Development Index (HDI)	0.930	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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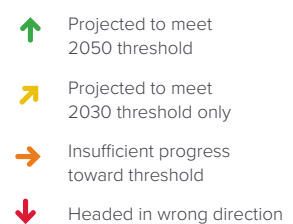
Dashboard categories

Negative impacts on the Global Commons



Trajectories

Based on 5-year growth rates



Luxembourg

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	2.43	kg/capita	76.4	● ↗	1.48	Gg	2018
Spillover SO ₂ emissions	35.92	kg/capita	1.0	● →	20.46	Gg	2015
Domestic NO _x emissions	39.95	kg/capita	28.3	● →	24.28	Gg	2018
Spillover NO _x emissions	62.99	kg/capita	1.0	● →	35.88	Gg	2015
Domestic black carbon emissions	0.63	kg/capita	52.2	● →	0.38	Gg	2018
Spillover black carbon emissions	1.67	kg/capita	1.0	● →	0.95	Gg	2015
GHG Emissions							
Domestic GHG emissions	18.68	t CO ₂ e/capita	13.3	● →	11.58	Tg	2019
Spillover GHG emissions	22.50	t CO ₂ e/capita	1.0	● →	13.68	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	NA	t CO ₂ e/capita	NA	● ●	NA	Tg	NA
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	82.42	%	18.8	● ↓	82.42	%	2020
Unprotected freshwater biodiversity sites	3713	%	65.9	● ↓	3713	%	2020
Domestic land use related biodiversity loss	7.47 × 10 ⁻¹³	global PDF/capita	99.0	● ↗	4.54 × 10 ⁻⁷	global PDF	2018
Spillover land use related biodiversity loss	1.63 × 10 ⁻¹¹	global PDF/capita	5.1	● ↓	9.94 × 10 ⁻⁶	global PDF	2018
Domestic freshwater biodiversity threats	0.02	spp./million	77.5	● ●	0.01	species	2018
Spillover freshwater biodiversity threats	0.85	spp./million	1.0	● ●	0.51	species	2018
Domestic deforestation	0.51	%	61.7	● ↓	5.28 × 10 ²	hectares	2020
Spillover deforestation	5.08 × 10 ⁻³	ha/capita	27.6	● ↓	3.09 × 10 ³	hectares	2018
Red List Index of species survival	0.99	scale 0 to 1	98.9	● ↗	0.99	scale 0 to 1	2021
Biodiversity Habitat Index	0.42	scale 0 to 1	19.1	● ●	0.42	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	0.00	WOE/million	100.0	● ●	0.00	WOE	2019
Spillover endangered terrestrial animals	2.10 × 10 ⁻⁵	WOE/capita	99.8	● ●	1.30 × 10	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	NA	WOE/million	NA	● ●	NA	WOE	NA
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE	2019
Unprotected marine biodiversity sites	NA	%	NA	● ●	NA	%	NA
Domestic marine biodiversity threats	NA	spp./million	NA	● ●	NA	species	NA
Spillover marine biodiversity threats	0.65	spp./million	6.6	● ●	0.39	species	2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	● ●	NA	%	NA
Fish caught by trawling	NA	%	NA	● ●	NA	%	NA
Domestic vulnerable fisheries catch	NA	tonnes/capita	NA	● ●	NA	Tg	NA
Spillover vulnerable fisheries catch	43.21	tonnes/capita	9.8	● →	0.03	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	0.74	scale 0 to 1.4	36.9	● ↓	0.74	scale 0 to 1.4	2015
Domestic nitrogen surplus	16.12	kg/capita	54.9	● →	9.18	Gg	2015
Spillover nitrogen surplus	55.44	kg/capita	1.0	● →	31.58	Tg	2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt	NA
Spillover phosphorus fertilizer	8.87	g/capita	1.6	● →	5.40	kt	2018
Water Cycle							
Domestic scarce water consumption	2.56	m ³ H ₂ O-eq./capita	51.7	● ↗	1.56	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	53.09	m ³ H ₂ O-eq./capita	38.8	● ↓	1,150.44	Mm ³ H ₂ O-eq.	2018
Domestic water stress	0.01	ML H ₂ O-eq./capita	97.0	● ↓	0.01	Bm ³ H ₂ O-eq.	2018
Spillover water stress	1.27	m ³ H ₂ O-eq./capita	52.1	● ↓	27.44	Mm ³ H ₂ O-eq.	2018

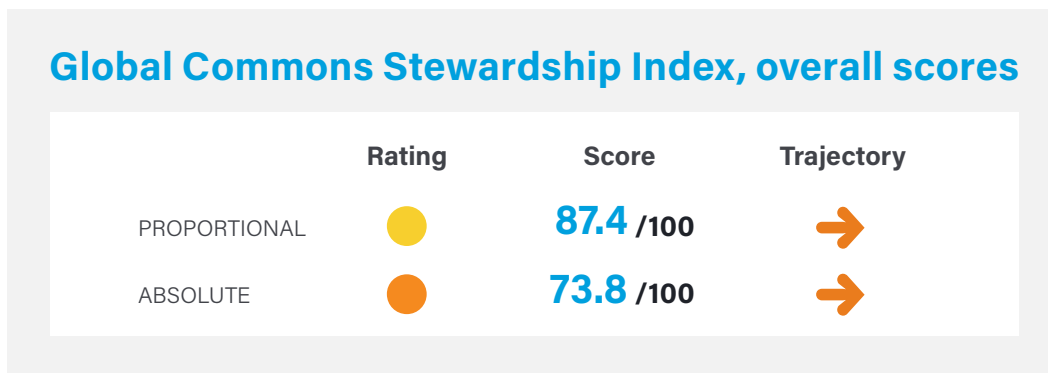
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Madagascar

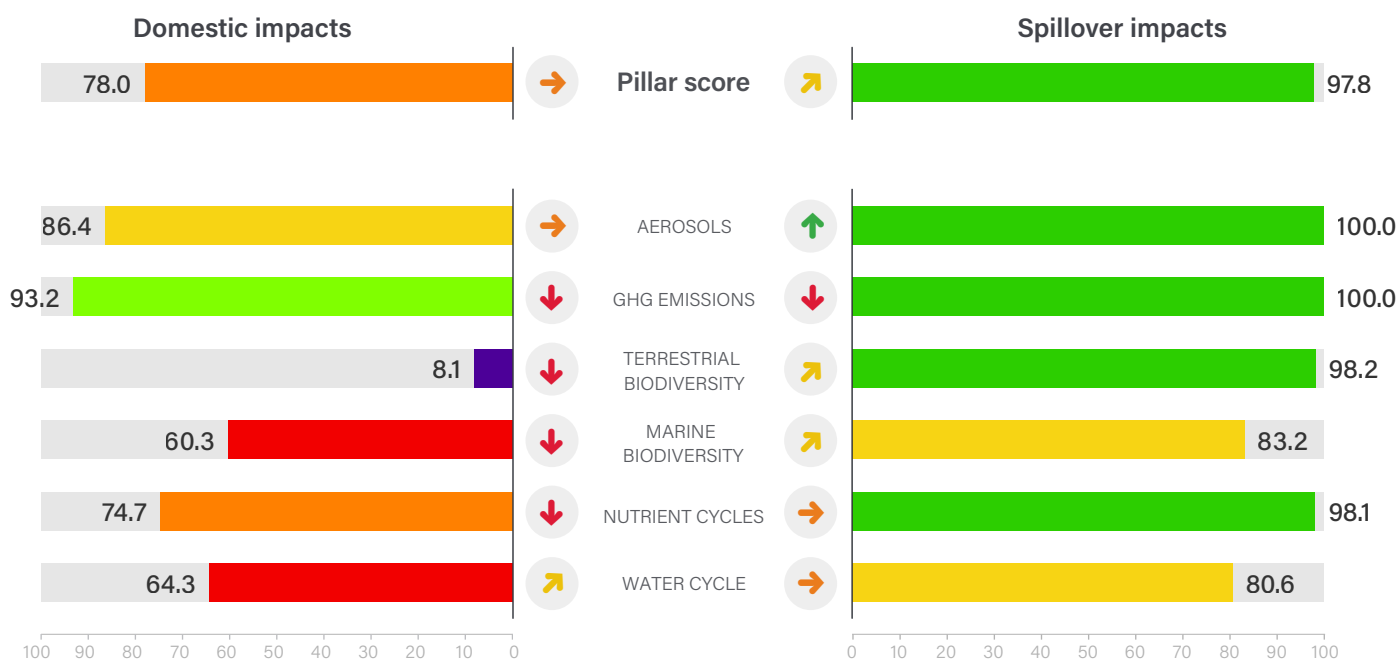
Africa

Land area	581,800 sq. km	Population	27.7 million
GDP (PPP, constant 2017 US\$, billions)	\$41.8	GDP per capita	\$1,510
Human Development Index (HDI)	0.501	HDI category	Low



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

95–100	None or limited
90–95	Low
80–90	Medium-low
70–80	Medium-high
50–70	High
30–50	Very high
0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Madagascar

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	1.48	kg/capita	87.8	● ↗	38.85	Gg	2018
Spillover SO ₂ emissions	0.39	kg/capita	100.0	● ↑	9.44	Gg	2015
Domestic NO _x emissions	2.04	kg/capita	100.0	● ↓	53.63	Gg	2018
Spillover NO _x emissions	0.38	kg/capita	100.0	● ↑	9.18	Gg	2015
Domestic black carbon emissions	0.39	kg/capita	73.4	● →	10.29	Gg	2018
Spillover black carbon emissions	0.02	kg/capita	100.0	● ↑	0.45	Gg	2015
GHG Emissions							
Domestic GHG emissions	2.38	t CO ₂ e/capita	93.2	● ↓	64.21	Tg	2019
Spillover GHG emissions	0.22	t CO ₂ e/capita	100.0	● ↓	5.74	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	NA	t CO ₂ e/capita	NA	● ●	NA	Tg	NA
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	2715	%	74.8	● ↓	2715	%	2020
Unprotected freshwater biodiversity sites	49.26	%	53.4	● ↓	49.26	%	2020
Domestic land use related biodiversity loss	1.28 × 10 ⁻¹⁰	global PDF/capita	1.0	● ↗	3.36 × 10 ⁻³	global PDF	2018
Spillover land use related biodiversity loss	4.11 × 10 ⁻¹³	global PDF/capita	100.0	● ↓	1.08 × 10 ⁻⁵	global PDF	2018
Domestic freshwater biodiversity threats	3.40	spp./million	7.2	● ●	89.34	species	2018
Spillover freshwater biodiversity threats	0.00	spp./million	100.0	● ●	0.01	species	2018
Domestic deforestation	1.73	%	1.0	● ↓	2.84 × 10 ⁵	hectares	2020
Spillover deforestation	7.94 × 10 ⁻⁵	ha/capita	100.0	● ↑	2.08 × 10 ³	hectares	2018
Red List Index of species survival	0.74	scale 0 to 1	23.6	● ↓	0.74	scale 0 to 1	2021
Biodiversity Habitat Index	0.46	scale 0 to 1	24.7	● ●	0.46	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	1.37 × 10 ⁻³	WOE/million	85.7	● ●	3.70 × 10 ⁴	WOE	2019
Spillover endangered terrestrial animals	5.97 × 10 ⁻⁴	WOE/capita	93.0	● ●	1.61 × 10 ⁴	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	1.85 × 10 ⁻⁷	WOE/million	100.0	● ●	5.00	WOE	2019
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE	2019
Unprotected marine biodiversity sites	20.31	%	79.9	● ↓	20.31	%	2020
Domestic marine biodiversity threats	1.28	spp./million	26.5	● ●	33.60	species	2018
Spillover marine biodiversity threats	0.00	spp./million	83.8	● ●	0.04	species	2018
Fish caught from overexploited or collapsed stocks	8.14	%	87.1	● ↓	8.14	%	2018
Fish caught by trawling	0.72	%	99.1	● ↓	0.72	%	2018
Domestic vulnerable fisheries catch	10.07	tonnes/capita	38.1	● ↓	0.26	Tg	2018
Spillover vulnerable fisheries catch	1.26	tonnes/capita	68.8	● ↗	0.03	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	0.65	scale 0 to 1.4	44.3	● ↗	0.65	scale 0 to 1.4	2015
Domestic nitrogen surplus	0.89	kg/capita	98.8	● ↓	21.61	Gg	2015
Spillover nitrogen surplus	0.14	kg/capita	97.0	● ↑	3.45	Tg	2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt	NA
Spillover phosphorus fertilizer	0.38	g/capita	99.3	● ↓	9.95	kt	2018
Water Cycle							
Domestic scarce water consumption	0.49	m ³ H ₂ O-eq./capita	70.2	● ↗	12.92	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	66.49	m ³ H ₂ O-eq./capita	33.0	● ↓	186.27	Mm ³ H ₂ O-eq.	2018
Domestic water stress	0.51	ML H ₂ O-eq./capita	45.2	● ↗	13.32	Bm ³ H ₂ O-eq.	2018
Spillover water stress	2.82	m ³ H ₂ O-eq./capita	31.4	● ↗	7.90	Mm ³ H ₂ O-eq.	2018

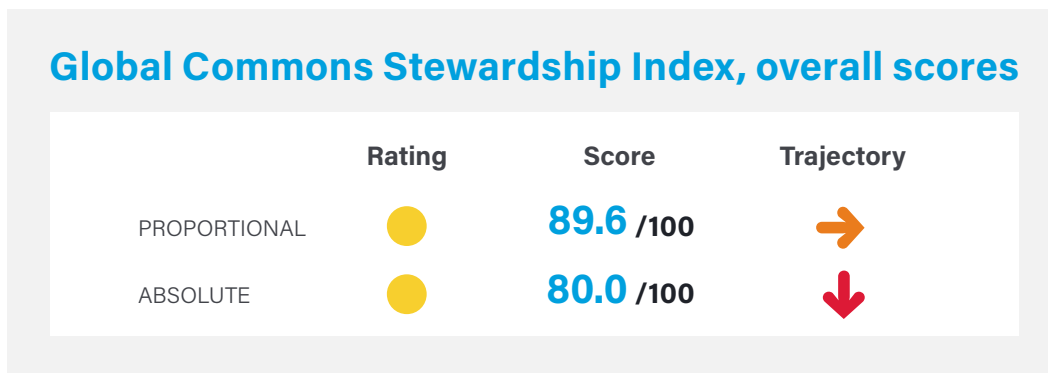
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Malawi

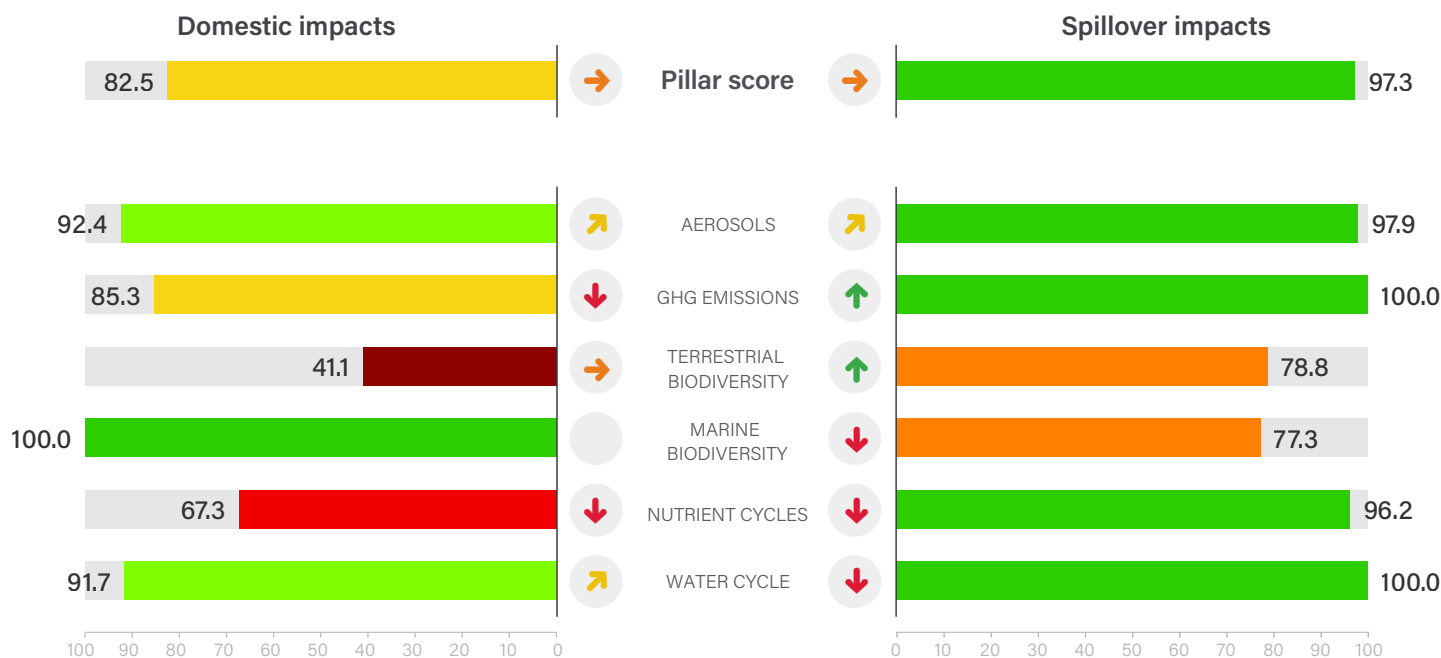
Africa

Land area	94,280 sq. km	Population	19.1 million
GDP (PPP, constant 2017 US\$, billions)	\$28.4	GDP per capita	\$1,487
Human Development Index (HDI)	0.512	HDI category	Low



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

■	95–100	None or limited
■	90–95	Low
■	80–90	Medium-low
■	70–80	Medium-high
■	50–70	High
■	30–50	Very high
■	0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Malawi

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	1.00	kg/capita	100.0	● ↑	12.34	Gg 2018
Spillover SO ₂ emissions	0.63	kg/capita	100.0	● ↑	10.53	Gg 2015
Domestic NO _x emissions	1.26	kg/capita	100.0	● ↑	22.82	Gg 2018
Spillover NO _x emissions	0.50	kg/capita	100.0	● ↑	8.31	Gg 2015
Domestic black carbon emissions	0.33	kg/capita	78.9	● →	6.01	Gg 2018
Spillover black carbon emissions	0.03	kg/capita	93.7	● ↓	0.59	Gg 2015
GHG Emissions						
Domestic GHG emissions	1.47	t CO ₂ e/capita	100.0	● ↓	27.39	Tg 2019
Spillover GHG emissions	0.30	t CO ₂ e/capita	100.0	● ↑	5.41	Tg 2018
CO ₂ emissions embodied in fossil fuel exports	0.00	t CO ₂ e/capita	52.9	● ●	0.01	Tg 2020
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	70.77	%	30.6	● ↓	70.77	% 2020
Unprotected freshwater biodiversity sites	25.84	%	77.6	● ↓	25.84	% 2020
Domestic land use related biodiversity loss	1.10 × 10 ⁻¹²	global PDF/capita	98.6	● →	2.00 × 10 ⁻⁵	global PDF 2018
Spillover land use related biodiversity loss	4.05 × 10 ⁻¹³	global PDF/capita	100.0	● ↑	7.36 × 10 ⁻⁶	global PDF 2018
Domestic freshwater biodiversity threats	7.98	spp./million	1.0	● ●	144.81	species 2018
Spillover freshwater biodiversity threats	0.09	spp./million	38.6	● ●	1.65	species 2018
Domestic deforestation	0.98	%	26.5	● ↓	1.44 × 10 ⁴	hectares 2020
Spillover deforestation	1.36 × 10 ⁻⁴	ha/capita	100.0	● ↑	2.46 × 10 ³	hectares 2018
Red List Index of species survival	0.81	scale 0 to 1	44.3	● →	0.81	scale 0 to 1 2021
Biodiversity Habitat Index	0.43	scale 0 to 1	20.7	● ●	0.43	scale 0 to 1 2020
Domestic export of endangered terrestrial animals	5.49 × 10 ⁻⁴	WOE/million	94.3	● ●	1.02 × 10 ⁴	WOE 2019
Spillover endangered terrestrial animals	5.37 × 10 ⁻⁸	WOE/capita	100.0	● ●	1.00	WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	NA	WOE/million	NA	● ●	NA	WOE NA
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE 2019
Unprotected marine biodiversity sites	NA	%	NA	● ●	NA	% NA
Domestic marine biodiversity threats	0.00	spp./million	100.0	● ●	0.01	species 2018
Spillover marine biodiversity threats	0.02	spp./million	50.5	● ●	0.39	species 2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	● ●	NA	% NA
Fish caught by trawling	NA	%	NA	● ●	NA	% NA
Domestic vulnerable fisheries catch	NA	tonnes/capita	NA	● ●	NA	Tg NA
Spillover vulnerable fisheries catch	0.32	tonnes/capita	91.6	● ↓	0.01	tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.75	scale 0 to 1.4	36.0	● →	0.75	scale 0 to 1.4 2015
Domestic nitrogen surplus	5.44	kg/capita	85.7	● ↓	91.13	Gg 2015
Spillover nitrogen surplus	0.18	kg/capita	92.6	● ↓	3.00	Tg 2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt NA
Spillover phosphorus fertilizer	0.26	g/capita	100.0	● ↓	4.71	kt 2018
Water Cycle						
Domestic scarce water consumption	0.05	m ³ H ₂ O-eq./capita	95.8	● ↑	0.91	Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	182.41	m ³ H ₂ O-eq./capita	6.7	● ↓	110.89	Mm ³ H ₂ O-eq. 2018
Domestic water stress	0.04	ML H ₂ O-eq./capita	76.8	● ↗	0.79	Bm ³ H ₂ O-eq. 2018
Spillover water stress	5.13	m ³ H ₂ O-eq./capita	16.0	● ↓	3.12	Mm ³ H ₂ O-eq. 2018

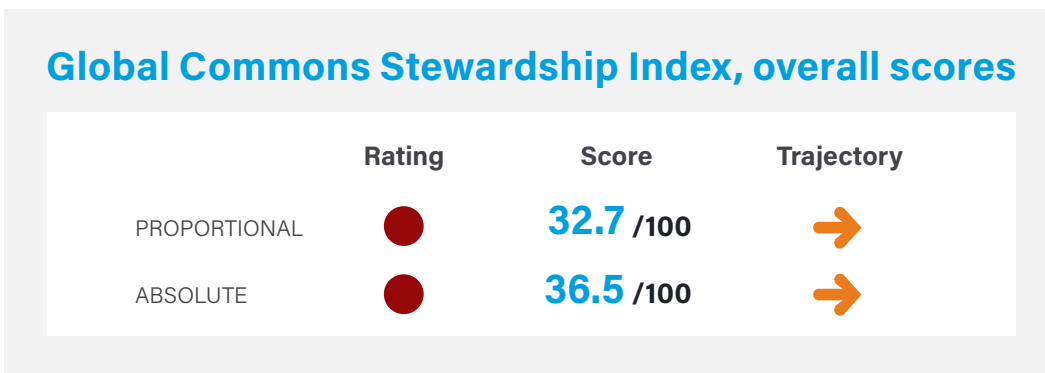
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Malaysia

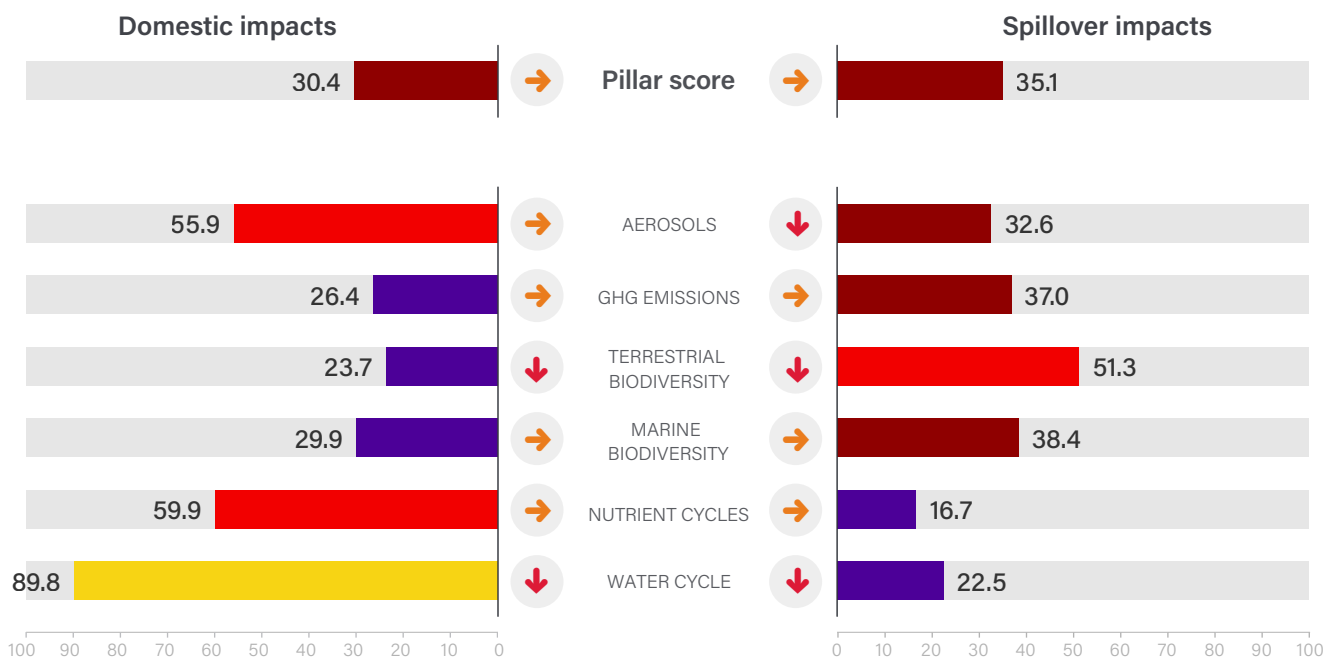
East and South Asia

Land area	328,550 sq. km	Population	32.4 million
GDP (PPP, constant 2017 US\$, billions)	\$855.6	GDP per capita	\$26,435
Human Development Index (HDI)	0.803	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons



Trajectories

Based on 5-year growth rates



Malaysia

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	17.11	kg/capita	31.5	● ↓	539.32	Gg 2018
Spillover SO ₂ emissions	7.56	kg/capita	35.1	● ↓	228.79	Gg 2015
Domestic NO _x emissions	22.67	kg/capita	63.6	● →	714.76	Gg 2018
Spillover NO _x emissions	7.49	kg/capita	34.4	● ↓	226.81	Gg 2015
Domestic black carbon emissions	0.24	kg/capita	87.4	● ↑	7.47	Gg 2018
Spillover black carbon emissions	0.37	kg/capita	28.8	● ↓	11.07	Gg 2015
GHG Emissions						
Domestic GHG emissions	10.93	t CO ₂ e/capita	34.1	● →	349.23	Tg 2019
Spillover GHG emissions	3.84	t CO ₂ e/capita	37.0	● →	121.16	Tg 2018
CO ₂ emissions embodied in fossil fuel exports	3.60	t CO ₂ e/capita	12.3	● ●	116.61	Tg 2020
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	28.51	%	73.5	● ↓	28.51	% 2020
Unprotected freshwater biodiversity sites	50.01	%	52.6	● ↓	50.01	% 2020
Domestic land use related biodiversity loss	3.75 × 10 ⁻¹¹	global PDF/capita	50.1	● →	1.18 × 10 ⁻³	global PDF 2018
Spillover land use related biodiversity loss	7.16 × 10 ⁻¹²	global PDF/capita	60.2	● ↓	2.26 × 10 ⁻⁴	global PDF 2018
Domestic freshwater biodiversity threats	1.49	spp./million	18.6	● ●	47.05	species 2018
Spillover freshwater biodiversity threats	0.32	spp./million	17.5	● ●	10.06	species 2018
Domestic deforestation	1.28	%	4.1	● →	3.66 × 10 ⁵	hectares 2020
Spillover deforestation	2.31 × 10 ⁻³	ha/capita	68.2	● ↓	7.28 × 10 ⁴	hectares 2018
Red List Index of species survival	0.70	scale 0 to 1	12.3	● ↓	0.70	scale 0 to 1 2021
Biodiversity Habitat Index	0.50	scale 0 to 1	30.6	● ●	0.50	scale 0 to 1 2020
Domestic export of endangered terrestrial animals	7.08 × 10 ⁻³	WOE/million	26.2	● ●	2.26 × 10 ⁵	WOE 2019
Spillover endangered terrestrial animals	2.96 × 10 ⁻⁴	WOE/capita	96.5	● ●	9.46 × 10 ³	WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	3.65 × 10 ⁻³	WOE/million	1.0	● ●	1.17 × 10 ⁵	WOE 2019
Spillover endangered marine animals	1.62 × 10 ⁻⁴	WOE/capita	89.7	● ●	5.16 × 10 ³	WOE 2019
Unprotected marine biodiversity sites	13.71	%	86.4	● ↓	13.71	% 2020
Domestic marine biodiversity threats	1.08	spp./million	28.8	● ●	34.18	species 2018
Spillover marine biodiversity threats	0.22	spp./million	20.3	● ●	7.06	species 2018
Fish caught from overexploited or collapsed stocks	23.35	%	62.8	● →	23.35	% 2018
Fish caught by trawling	28.08	%	54.2	● →	28.08	% 2018
Domestic vulnerable fisheries catch	108.17	tonnes/capita	6.9	● →	3.41	Tg 2018
Spillover vulnerable fisheries catch	12.05	tonnes/capita	31.1	● →	0.38	tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.54	scale 0 to 1.4	54.1	● →	0.54	scale 0 to 1.4 2015
Domestic nitrogen surplus	3.30	kg/capita	91.9	● ↓	99.92	Gg 2015
Spillover nitrogen surplus	11.28	kg/capita	14.0	● ↓	341.34	Tg 2015
Domestic phosphorus fertilizer	5.49	kg/capita	46.9	● →	172.95	kt 2018
Spillover phosphorus fertilizer	4.90	g/capita	20.0	● →	154.50	kt 2018
Water Cycle						
Domestic scarce water consumption	0.09	m ³ H ₂ O-eq./capita	89.0	● ↓	2.90	Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	94.74	m ³ H ₂ O-eq./capita	23.8	● ↓	182.57	Mm ³ H ₂ O-eq. 2018
Domestic water stress	0.01	ML H ₂ O-eq./capita	93.0	● ↓	0.39	Bm ³ H ₂ O-eq. 2018
Spillover water stress	2.00	m ³ H ₂ O-eq./capita	40.3	● ↓	3.86	Mm ³ H ₂ O-eq. 2018

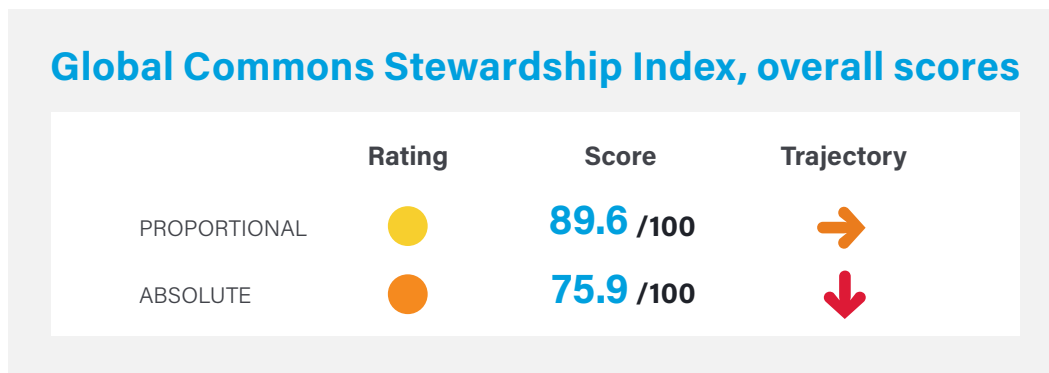
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Mali

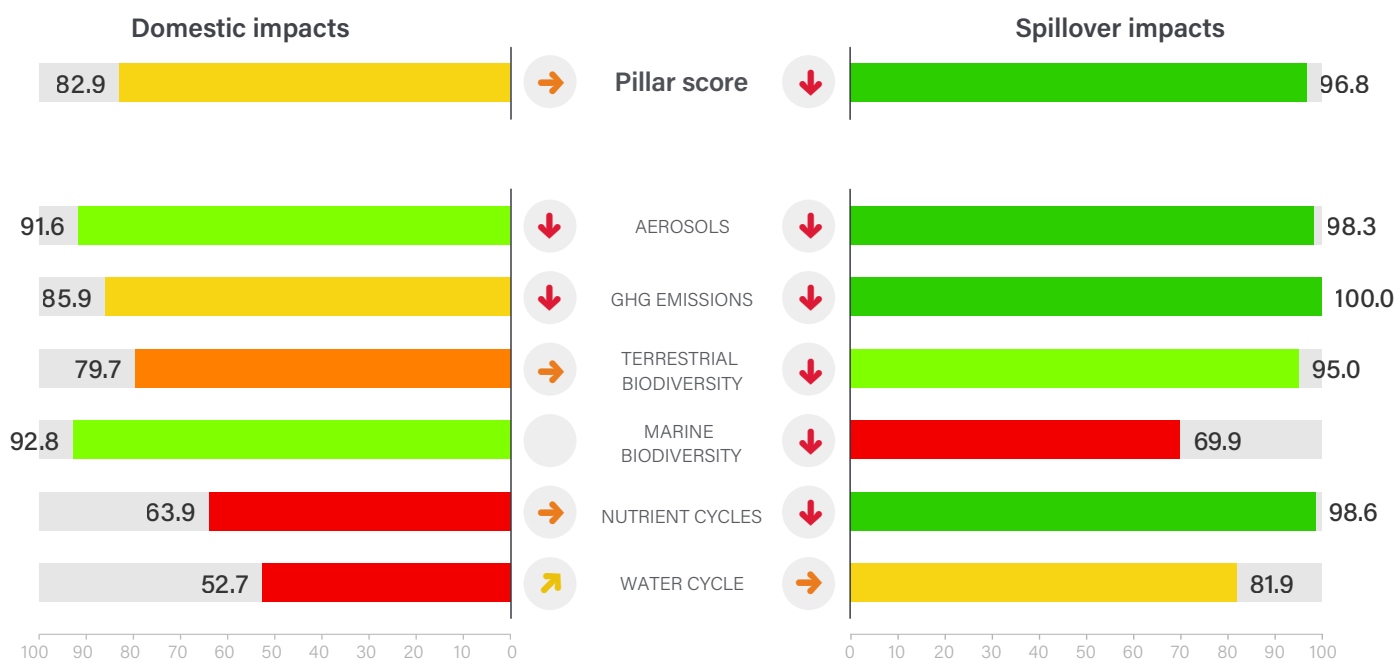
Africa

Land area	1,220,190 sq. km	Population	20.3 million
GDP (PPP, constant 2017 US\$, billions)	\$44.9	GDP per capita	\$2,217
Human Development Index (HDI)	0.428	HDI category	Low



Impacts by pillar and sub-pillar

Proportional scores and trajectories

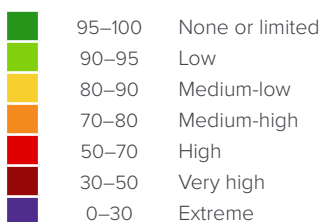


The Global Commons Stewardship Index

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Dashboard categories

Negative impacts on the Global Commons



Trajectories

Based on 5-year growth rates



Mali

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	0.98	kg/capita	97.4	●	↓	18.62 Gg 2018
Spillover SO ₂ emissions	0.62	kg/capita	100.0	●	↓	10.75 Gg 2015
Domestic NO _x emissions	2.91	kg/capita	100.0	●	↓	55.44 Gg 2018
Spillover NO _x emissions	0.57	kg/capita	100.0	●	↓	10.01 Gg 2015
Domestic black carbon emissions	0.33	kg/capita	79.0	●	↓	6.28 Gg 2018
Spillover black carbon emissions	0.03	kg/capita	95.1	●	↓	0.58 Gg 2015
GHG Emissions						
Domestic GHG emissions	2.88	t CO ₂ e/capita	85.9	●	↓	56.55 Tg 2019
Spillover GHG emissions	0.37	t CO ₂ e/capita	100.0	●	↓	714 Tg 2018
CO ₂ emissions embodied in fossil fuel exports	NA	t CO ₂ e/capita	NA	●	●	NA Tg NA
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	8.06	%	94.2	●	↓	8.06 % 2020
Unprotected freshwater biodiversity sites	0.00	%	100.0	●	●	0.00 % 2020
Domestic land use related biodiversity loss	8.91 × 10 ⁻¹³	global PDF/capita	98.8	●	↗	1.70 × 10 ⁻⁵ global PDF 2018
Spillover land use related biodiversity loss	4.72 × 10 ⁻¹³	global PDF/capita	100.0	●	↓	9.01 × 10 ⁻⁶ global PDF 2018
Domestic freshwater biodiversity threats	0.50	spp./million	33.5	●	●	9.57 species 2018
Spillover freshwater biodiversity threats	0.01	spp./million	84.8	●	●	0.11 species 2018
Domestic deforestation	0.45	%	66.5	●	↓	2.19 × 10 ² hectares 2020
Spillover deforestation	4.06 × 10 ⁻⁴	ha/capita	96.2	●	↓	7.74 × 10 ³ hectares 2018
Red List Index of species survival	0.98	scale 0 to 1	97.2	●	↓	0.98 scale 0 to 1 2021
Biodiversity Habitat Index	0.54	scale 0 to 1	35.9	●	●	0.54 scale 0 to 1 2020
Domestic export of endangered terrestrial animals	2.47 × 10 ⁻³	WOE/million	74.3	●	●	4.85 × 10 ⁴ WOE 2019
Spillover endangered terrestrial animals	2.36 × 10 ⁻⁵	WOE/capita	99.7	●	●	4.64 × 10 ² WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	NA	WOE/million	NA	●	●	NA WOE NA
Spillover endangered marine animals	4.07 × 10 ⁻⁶	WOE/capita	99.7	●	●	8.00 × 10 WOE 2019
Unprotected marine biodiversity sites	NA	%	NA	●	●	NA % NA
Domestic marine biodiversity threats	0.01	spp./million	92.8	●	●	0.20 species 2018
Spillover marine biodiversity threats	0.00	spp./million	72.8	●	●	0.07 species 2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	●	●	NA % NA
Fish caught by trawling	NA	%	NA	●	●	NA % NA
Domestic vulnerable fisheries catch	NA	tonnes/capita	NA	●	●	NA Tg NA
Spillover vulnerable fisheries catch	4.66	tonnes/capita	47.0	●	↓	0.09 tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.76	scale 0 to 1.4	34.8	●	↗	0.76 scale 0 to 1.4 2015
Domestic nitrogen surplus	2.92	kg/capita	93.0	●	↓	50.92 Gg 2015
Spillover nitrogen surplus	0.14	kg/capita	97.3	●	↓	2.44 Tg 2015
Domestic phosphorus fertilizer	1.84	kg/capita	76.2	●	↗	35.06 kt 2018
Spillover phosphorus fertilizer	0.35	g/capita	100.0	●	↓	6.61 kt 2018
Water Cycle						
Domestic scarce water consumption	1.35	m ³ H ₂ O-eq./capita	58.8	●	↗	25.82 Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	14.79	m ³ H ₂ O-eq./capita	72.1	●	↓	533.02 Mm ³ H ₂ O-eq. 2018
Domestic water stress	1.21	ML H ₂ O-eq./capita	33.9	●	↗	23.08 Bm ³ H ₂ O-eq. 2018
Spillover water stress	1.18	m ³ H ₂ O-eq./capita	54.0	●	↗	42.40 Mm ³ H ₂ O-eq. 2018

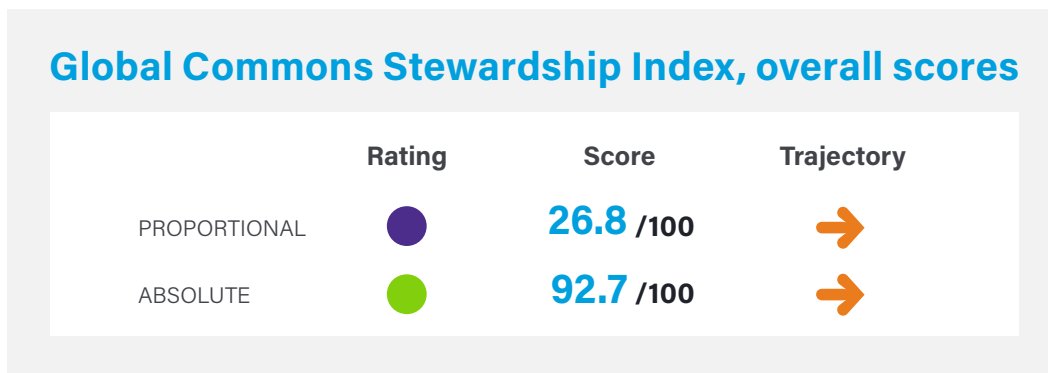
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Malta

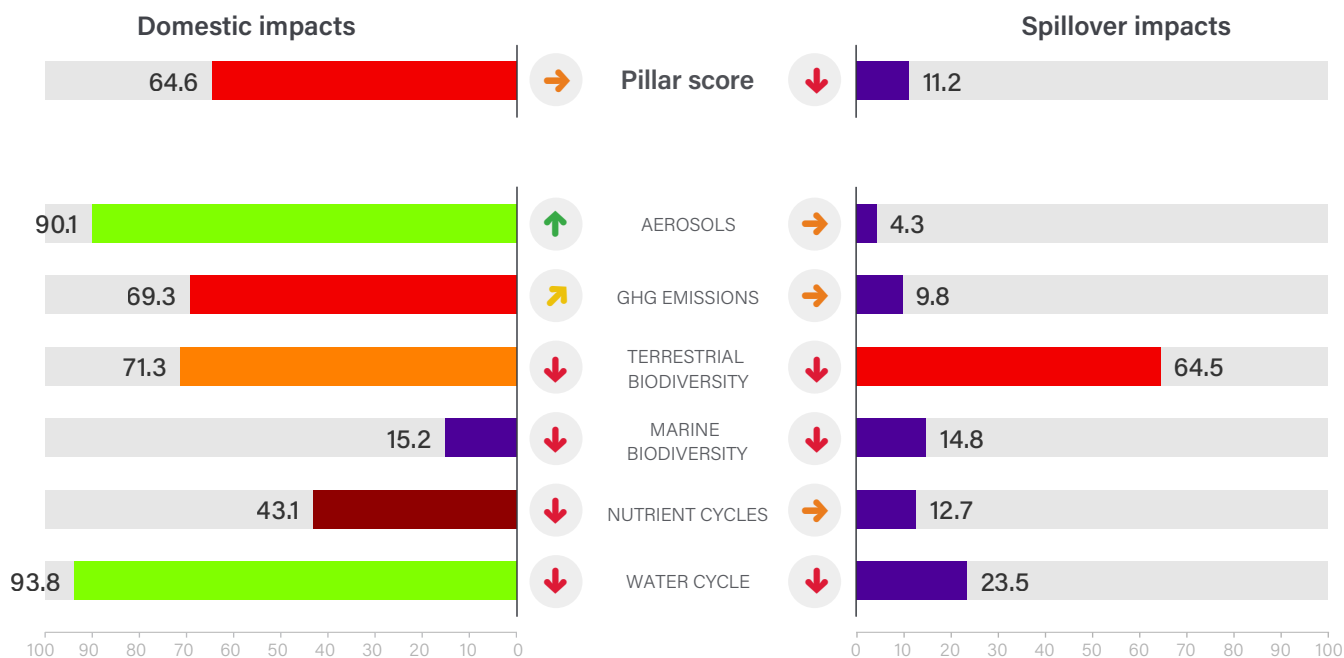
Eastern Europe and Central Asia

Land area	320 sq. km	Population	0.5 million
GDP (PPP, constant 2017 US\$, billions)	\$20.6	GDP per capita	\$39,222
Human Development Index (HDI)	0.918	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

	95–100	None or limited
	90–95	Low
	80–90	Medium-low
	70–80	Medium-high
	50–70	High
	30–50	Very high
	0–30	Extreme

Trajectories

Based on 5-year growth rates

	Projected to meet 2050 threshold
	Projected to meet 2030 threshold only
	Insufficient progress toward threshold
	Headed in wrong direction

Malta

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	2.04	kg/capita	80.4	● ↑	0.99	Gg	2018
Spillover SO ₂ emissions	22.71	kg/capita	4.8	● →	10.11	Gg	2015
Domestic NO _x emissions	9.32	kg/capita	90.9	● ↑	4.52	Gg	2018
Spillover NO _x emissions	24.80	kg/capita	2.6	● →	11.04	Gg	2015
Domestic black carbon emissions	0.10	kg/capita	100.0	● ↑	0.05	Gg	2018
Spillover black carbon emissions	0.82	kg/capita	6.3	● →	0.37	Gg	2015
GHG Emissions							
Domestic GHG emissions	4.42	t CO ₂ e/capita	69.3	● ↗	2.23	Tg	2019
Spillover GHG emissions	10.13	t CO ₂ e/capita	9.8	● →	4.91	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	NA	t CO ₂ e/capita	NA	● ●	NA	Tg	NA
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	79.51	%	21.8	● ↓	79.51	%	2020
Unprotected freshwater biodiversity sites	NA	%	NA	● ●	NA	%	NA
Domestic land use related biodiversity loss	1.28 × 10 ⁻¹²	global PDF/capita	98.3	● ↓	6.22 × 10 ⁻⁷	global PDF	2018
Spillover land use related biodiversity loss	9.62 × 10 ⁻¹²	global PDF/capita	45.4	● ↓	4.66 × 10 ⁻⁶	global PDF	2018
Domestic freshwater biodiversity threats	0.00	spp./million	100.0	● ●	0.00	species	2018
Spillover freshwater biodiversity threats	0.03	spp./million	56.6	● ●	0.01	species	2018
Domestic deforestation	NA	%	NA	● ●	NA	hectares	NA
Spillover deforestation	2.37 × 10 ⁻³	ha/capita	67.4	● ↓	115 × 10 ³	hectares	2018
Red List Index of species survival	0.87	scale 0 to 1	64.2	● ↓	0.87	scale 0 to 1	2021
Biodiversity Habitat Index	0.51	scale 0 to 1	31.7	● ●	0.51	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	0.00	WOE/million	100.0	● ●	0.00	WOE	2019
Spillover endangered terrestrial animals	0.00	WOE/capita	100.0	● ●	0.00	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE	2019
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE	2019
Unprotected marine biodiversity sites	89.54	%	11.4	● ↓	89.54	%	2020
Domestic marine biodiversity threats	1.11	spp./million	28.4	● ●	0.49	species	2018
Spillover marine biodiversity threats	0.09	spp./million	32.4	● ●	0.04	species	2018
Fish caught from overexploited or collapsed stocks	18.89	%	69.9	● ↓	18.89	%	2018
Fish caught by trawling	89.64	%	1.0	● →	89.64	%	2018
Domestic vulnerable fisheries catch	35.33	tonnes/capita	21.6	● ↓	0.02	Tg	2018
Spillover vulnerable fisheries catch	94.88	tonnes/capita	1.0	● ↓	0.05	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	0.89	scale 0 to 1.4	23.5	● ↓	0.89	scale 0 to 1.4	2015
Domestic nitrogen surplus	9.51	kg/capita	74.0	● ↓	4.23	Gg	2015
Spillover nitrogen surplus	13.73	kg/capita	10.2	● ↓	6.11	Tg	2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt	NA
Spillover phosphorus fertilizer	5.65	g/capita	15.6	● →	2.74	kt	2018
Water Cycle							
Domestic scarce water consumption	0.04	m ³ H ₂ O-eq./capita	98.5	● ↓	0.02	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	30.48	m ³ H ₂ O-eq./capita	53.3	● ↓	82.56	Mm ³ H ₂ O-eq.	2018
Domestic water stress	0.04	ML H ₂ O-eq./capita	77.2	● ↓	0.02	Bm ³ H ₂ O-eq.	2018
Spillover water stress	1.01	m ³ H ₂ O-eq./capita	57.9	● ↓	2.74	Mm ³ H ₂ O-eq.	2018

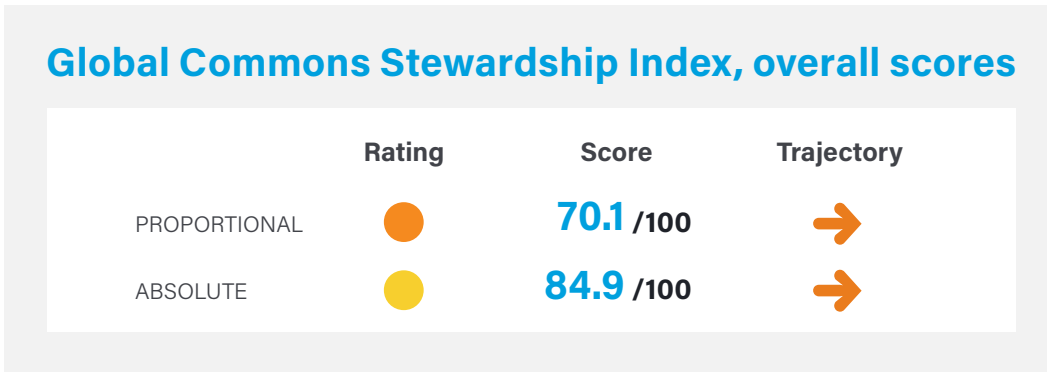
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Mauritania

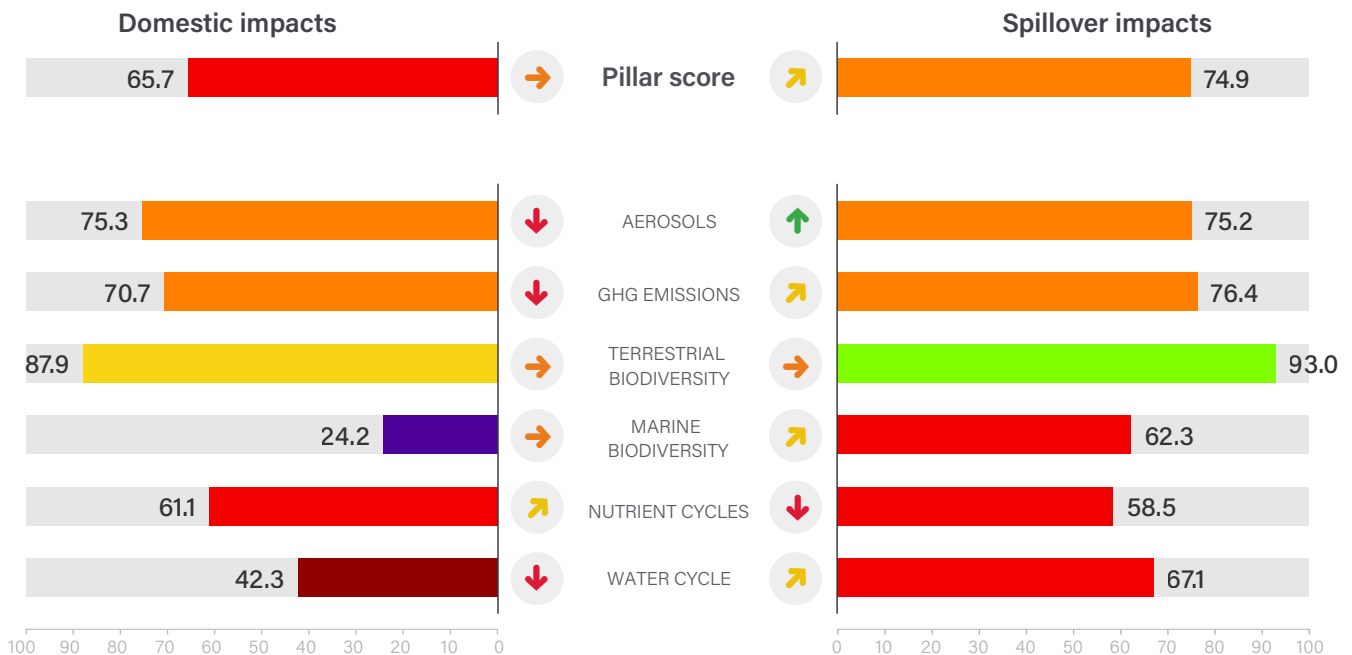
Africa

Land area	1,030,700 sq. km	Population	4.6 million
GDP (PPP, constant 2017 US\$, billions)	\$23.2	GDP per capita	\$4,983
Human Development Index (HDI)	0.556	HDI category	Medium



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

	95–100	None or limited
	90–95	Low
	80–90	Medium-low
	70–80	Medium-high
	50–70	High
	30–50	Very high
	0–30	Extreme

Trajectories

Based on 5-year growth rates

	Projected to meet 2050 threshold
	Projected to meet 2030 threshold only
	Insufficient progress toward threshold
	Headed in wrong direction

Mauritania

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	2.90	kg/capita	72.3	● ↓	12.76	Gg	2018
Spillover SO ₂ emissions	1.75	kg/capita	75.6	● ↑	7.06	Gg	2015
Domestic NO _x emissions	6.94	kg/capita	95.8	● ↓	30.55	Gg	2018
Spillover NO _x emissions	1.71	kg/capita	73.7	● ↑	6.90	Gg	2015
Domestic black carbon emissions	0.52	kg/capita	61.6	● →	2.30	Gg	2018
Spillover black carbon emissions	0.07	kg/capita	76.3	● ↑	0.27	Gg	2015
GHG Emissions							
Domestic GHG emissions	4.26	t CO ₂ e/capita	70.7	● ↓	19.28	Tg	2019
Spillover GHG emissions	0.94	t CO ₂ e/capita	76.4	● ↗	4.15	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	NA	t CO ₂ e/capita	NA	● ●	NA	Tg	NA
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	11.17	%	91.0	● ↓	11.17	%	2020
Unprotected freshwater biodiversity sites	0.00	%	100.0	● ●	0.00	%	2020
Domestic land use related biodiversity loss	7.48 × 10 ⁻¹³	global PDF/capita	99.0	● ↗	3.29 × 10 ⁻⁶	global PDF	2018
Spillover land use related biodiversity loss	1.74 × 10 ⁻¹²	global PDF/capita	92.7	● ↗	7.64 × 10 ⁻⁶	global PDF	2018
Domestic freshwater biodiversity threats	0.17	spp./million	48.6	● ●	0.73	species	2018
Spillover freshwater biodiversity threats	0.01	spp./million	84.1	● ●	0.03	species	2018
Domestic deforestation	0.00	%	100.0	● ●	0.00	hectares	2020
Spillover deforestation	4.16 × 10 ⁻⁴	ha/capita	96.0	● ↓	1.83 × 10 ³	hectares	2018
Red List Index of species survival	0.98	scale 0 to 1	95.9	● ↓	0.98	scale 0 to 1	2021
Biodiversity Habitat Index	0.63	scale 0 to 1	48.5	● ●	0.63	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	0.00	WOE/million	100.0	● ●	0.00	WOE	2019
Spillover endangered terrestrial animals	0.00	WOE/capita	100.0	● ●	0.00	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE	2019
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE	2019
Unprotected marine biodiversity sites	37.24	%	63.1	● ↓	37.24	%	2020
Domestic marine biodiversity threats	3.11	spp./million	14.2	● ●	13.71	species	2018
Spillover marine biodiversity threats	0.06	spp./million	37.8	● ●	0.25	species	2018
Fish caught from overexploited or collapsed stocks	17.63	%	71.9	● →	17.63	%	2018
Fish caught by trawling	6.53	%	89.6	● ↓	6.53	%	2018
Domestic vulnerable fisheries catch	369.54	tonnes/capita	1.0	● →	1.63	Tg	2018
Spillover vulnerable fisheries catch	1.68	tonnes/capita	64.0	● ↗	0.01	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	0.90	scale 0 to 1.4	23.0	● →	0.90	scale 0 to 1.4	2015
Domestic nitrogen surplus	1.49	kg/capita	97.1	● ↑	6.05	Gg	2015
Spillover nitrogen surplus	0.56	kg/capita	71.0	● ↓	2.27	Tg	2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt	NA
Spillover phosphorus fertilizer	1.97	g/capita	48.3	● ↓	8.66	kt	2018
Water Cycle							
Domestic scarce water consumption	0.93	m ³ H ₂ O-eq./capita	63.0	● ↓	4.10	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	10.44	m ³ H ₂ O-eq./capita	81.2	● ↗	274.24	Mm ³ H ₂ O-eq.	2018
Domestic water stress	8.65	ML H ₂ O-eq./capita	8.5	● ↓	38.07	Bm ³ H ₂ O-eq.	2018
Spillover water stress	0.43	m ³ H ₂ O-eq./capita	80.1	● ↑	11.27	Mm ³ H ₂ O-eq.	2018

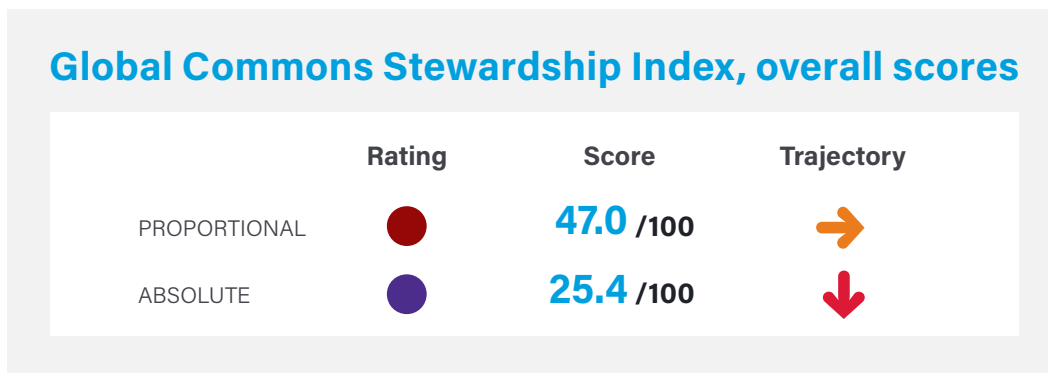
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Mexico

OECD Member

Land area	1,943,950 sq. km	Population	128.9 million
GDP (PPP, constant 2017 US\$, billions)	\$2,306.3	GDP per capita	\$17,888
Human Development Index (HDI)	0.758	HDI category	High



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons



Trajectories

Based on 5-year growth rates



Mexico

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	9.88	kg/capita	44.1	● →	1,247.32	Gg	2018
Spillover SO ₂ emissions	2.94	kg/capita	61.2	● →	358.27	Gg	2015
Domestic NO _x emissions	13.18	kg/capita	83.0	● →	1,663.29	Gg	2018
Spillover NO _x emissions	3.57	kg/capita	54.1	● ↓	435.63	Gg	2015
Domestic black carbon emissions	0.27	kg/capita	84.5	● ↓	33.94	Gg	2018
Spillover black carbon emissions	0.11	kg/capita	61.3	● ↓	13.75	Gg	2015
GHG Emissions							
Domestic GHG emissions	6.67	t CO ₂ e/capita	53.3	● →	850.66	Tg	2019
Spillover GHG emissions	1.98	t CO ₂ e/capita	55.7	● →	249.34	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	1.32	t CO ₂ e/capita	16.9	● ●	169.63	Tg	2021
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	36.19	%	65.7	● ↓	36.19	%	2020
Unprotected freshwater biodiversity sites	49.99	%	52.7	● ↓	49.99	%	2020
Domestic land use related biodiversity loss	2.92 × 10 ⁻¹¹	global PDF/capita	61.1	● ↓	3.69 × 10 ⁻³	global PDF	2018
Spillover land use related biodiversity loss	3.52 × 10 ⁻¹²	global PDF/capita	82.0	● ↓	4.44 × 10 ⁻⁴	global PDF	2018
Domestic freshwater biodiversity threats	0.63	spp./million	30.5	● ●	78.92	species	2018
Spillover freshwater biodiversity threats	0.09	spp./million	38.6	● ●	11.48	species	2018
Domestic deforestation	0.57	%	57.4	● ↓	2.86 × 10 ⁵	hectares	2020
Spillover deforestation	8.97 × 10 ⁻⁴	ha/capita	89.0	● ↓	1.13 × 10 ⁵	hectares	2018
Red List Index of species survival	0.68	scale 0 to 1	3.5	● ↓	0.68	scale 0 to 1	2021
Biodiversity Habitat Index	0.44	scale 0 to 1	22.5	● ●	0.44	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	7.27 × 10 ⁻⁶	WOE/million	99.9	● ●	9.27 × 10 ²	WOE	2019
Spillover endangered terrestrial animals	3.82 × 10 ⁻³	WOE/capita	55.3	● ●	4.87 × 10 ⁵	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	2.91 × 10 ⁻³	WOE/million	1.0	● ●	3.71 × 10 ⁵	WOE	2019
Spillover endangered marine animals	8.22 × 10 ⁻⁵	WOE/capita	94.7	● ●	1.05 × 10 ⁴	WOE	2019
Unprotected marine biodiversity sites	61.90	%	38.7	● ↓	61.90	%	2020
Domestic marine biodiversity threats	1.41	spp./million	25.2	● ●	177.67	species	2018
Spillover marine biodiversity threats	0.05	spp./million	40.6	● ●	5.82	species	2018
Fish caught from overexploited or collapsed stocks	17.30	%	72.4	● ↗	17.30	%	2018
Fish caught by trawling	15.29	%	75.2	● ↓	15.29	%	2018
Domestic vulnerable fisheries catch	38.75	tonnes/capita	20.4	● ↓	4.89	Tg	2018
Spillover vulnerable fisheries catch	3.08	tonnes/capita	53.9	● ↓	0.39	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	0.82	scale 0 to 1.4	29.8	● ↓	0.82	scale 0 to 1.4	2015
Domestic nitrogen surplus	13.38	kg/capita	62.8	● ↓	1,630.06	Gg	2015
Spillover nitrogen surplus	3.54	kg/capita	36.0	● ↓	431.13	Tg	2015
Domestic phosphorus fertilizer	6.55	kg/capita	42.2	● ↓	826.31	kt	2018
Spillover phosphorus fertilizer	2.83	g/capita	37.1	● →	356.66	kt	2018
Water Cycle							
Domestic scarce water consumption	1.48	m ³ H ₂ O-eq./capita	57.9	● ↗	186.18	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	27.40	m ³ H ₂ O-eq./capita	56.1	● ↓	3,457.74	Mm ³ H ₂ O-eq.	2018
Domestic water stress	3.53	ML H ₂ O-eq./capita	20.1	● →	445.76	Bm ³ H ₂ O-eq.	2018
Spillover water stress	1.24	m ³ H ₂ O-eq./capita	52.7	● ↓	156.01	Mm ³ H ₂ O-eq.	2018

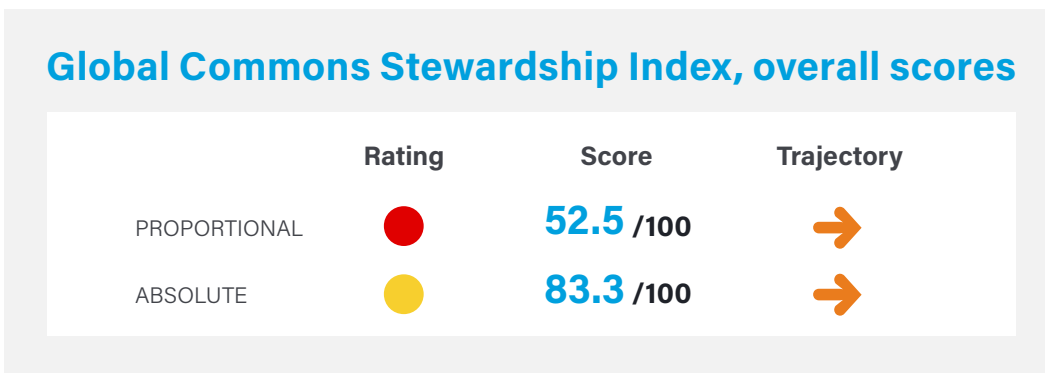
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Moldova

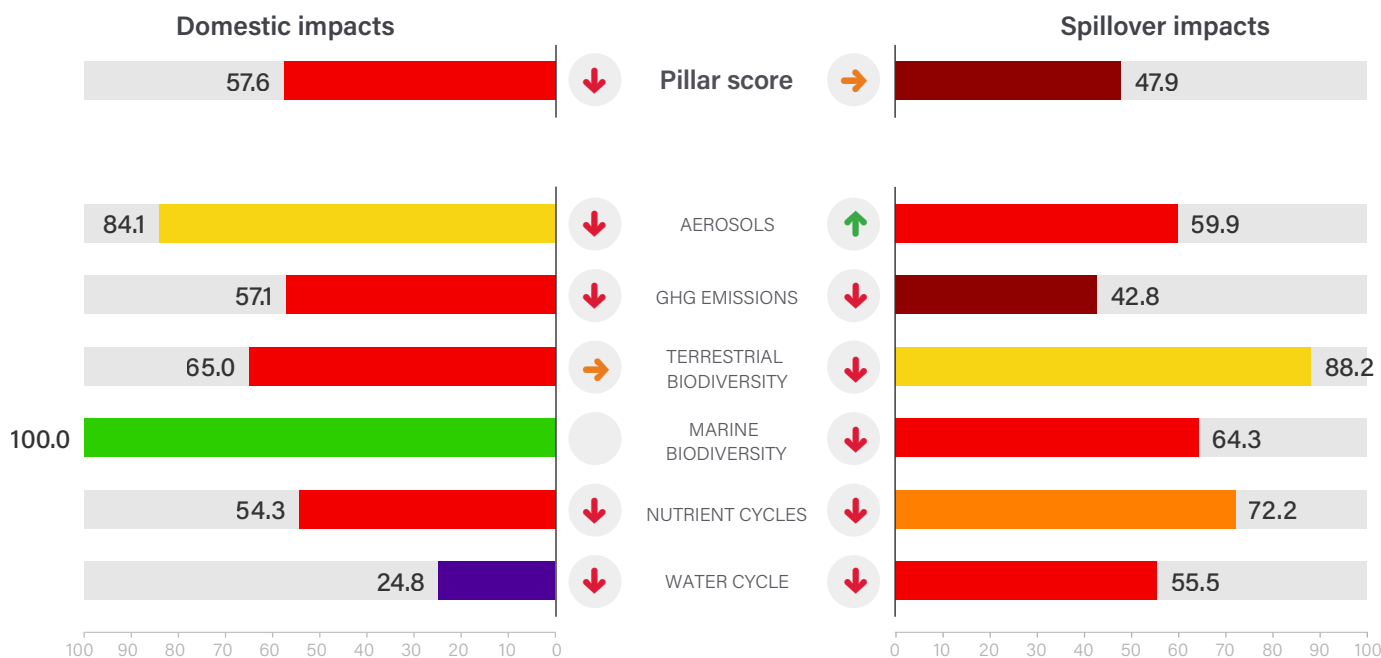
Eastern Europe and Central Asia

Land area	32,885 sq. km	Population	2.6 million
GDP (PPP, constant 2017 US\$, billions)	\$32.3	GDP per capita	\$12,325
Human Development Index (HDI)	0.767	HDI category	High



Impacts by pillar and sub-pillar

Proportional scores and trajectories



The Global Commons Stewardship Index

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Dashboard categories

Negative impacts on the Global Commons

Green	95–100	None or limited
Light Green	90–95	Low
Yellow	80–90	Medium-low
Orange	70–80	Medium-high
Red	50–70	High
Dark Red	30–50	Very high
Purple	0–30	Extreme

Trajectories

Based on 5-year growth rates

Green arrow up	Projected to meet 2050 threshold
Yellow arrow up	Projected to meet 2030 threshold only
Orange arrow right	Insufficient progress toward threshold
Red arrow down	Headed in wrong direction

Moldova

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	2.41	kg/capita	76.6	● ↓	6.52	Gg 2018
Spillover SO ₂ emissions	4.03	kg/capita	52.5	● ↑	11.43	Gg 2015
Domestic NO _x emissions	11.18	kg/capita	87.1	● ↓	30.28	Gg 2018
Spillover NO _x emissions	3.28	kg/capita	56.4	● ↑	9.30	Gg 2015
Domestic black carbon emissions	0.22	kg/capita	89.1	● ↓	0.59	Gg 2018
Spillover black carbon emissions	0.07	kg/capita	72.6	● ↗	0.21	Gg 2015
GHG Emissions						
Domestic GHG emissions	6.05	t CO ₂ e/capita	57.1	● ↓	16.10	Tg 2019
Spillover GHG emissions	3.13	t CO ₂ e/capita	42.8	● ↓	8.48	Tg 2018
CO ₂ emissions embodied in fossil fuel exports	NA	t CO ₂ e/capita	NA	● ●	NA	Tg NA
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	0.00	%	100.0	● ●	0.00	% 2020
Unprotected freshwater biodiversity sites	0.00	%	100.0	● ●	0.00	% 2020
Domestic land use related biodiversity loss	4.01 × 10 ⁻¹²	global PDF/capita	94.7	● ↓	1.09 × 10 ⁻⁵	global PDF 2018
Spillover land use related biodiversity loss	2.62 × 10 ⁻¹²	global PDF/capita	87.4	● ↓	7.08 × 10 ⁻⁶	global PDF 2018
Domestic freshwater biodiversity threats	0.02	spp./million	75.0	● ●	0.09	species 2018
Spillover freshwater biodiversity threats	0.00	spp./million	88.3	● ●	0.02	species 2018
Domestic deforestation	0.09	%	92.9	● ↓	3.39 × 10 ²	hectares 2020
Spillover deforestation	1.62 × 10 ⁻³	ha/capita	78.4	● ↓	4.38 × 10 ³	hectares 2018
Red List Index of species survival	0.95	scale 0 to 1	86.8	● ↗	0.95	scale 0 to 1 2021
Biodiversity Habitat Index	0.27	scale 0 to 1	1.0	● ●	0.27	scale 0 to 1 2020
Domestic export of endangered terrestrial animals	0.00	WOE/million	100.0	● ●	0.00	WOE 2019
Spillover endangered terrestrial animals	1.13 × 10 ⁻⁶	WOE/capita	100.0	● ●	3.00	WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	NA	WOE/million	NA	● ●	NA	WOE NA
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE 2019
Unprotected marine biodiversity sites	NA	%	NA	● ●	NA	% NA
Domestic marine biodiversity threats	0.00	spp./million	100.0	● ●	0.00	species 2018
Spillover marine biodiversity threats	0.00	spp./million	78.5	● ●	0.01	species 2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	● ●	NA	% NA
Fish caught by trawling	NA	%	NA	● ●	NA	% NA
Domestic vulnerable fisheries catch	NA	tonnes/capita	NA	● ●	NA	Tg NA
Spillover vulnerable fisheries catch	10.26	tonnes/capita	33.8	● ↓	0.03	tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.60	scale 0 to 1.4	48.6	● ↓	0.60	scale 0 to 1.4 2015
Domestic nitrogen surplus	8.56	kg/capita	76.7	● ↓	24.25	Gg 2015
Spillover nitrogen surplus	0.07	kg/capita	100.0	● ↓	0.21	Tg 2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt NA
Spillover phosphorus fertilizer	1.73	g/capita	52.2	● ↓	4.70	kt 2018
Water Cycle						
Domestic scarce water consumption	37.21	m ³ H ₂ O-eq./capita	21.6	● ↓	100.76	Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	23.45	m ³ H ₂ O-eq./capita	60.1	● ↓	48.85	Mm ³ H ₂ O-eq. 2018
Domestic water stress	0.59	ML H ₂ O-eq./capita	43.3	● ↓	1.59	Bm ³ H ₂ O-eq. 2018
Spillover water stress	1.34	m ³ H ₂ O-eq./capita	50.6	● ↓	2.80	Mm ³ H ₂ O-eq. 2018

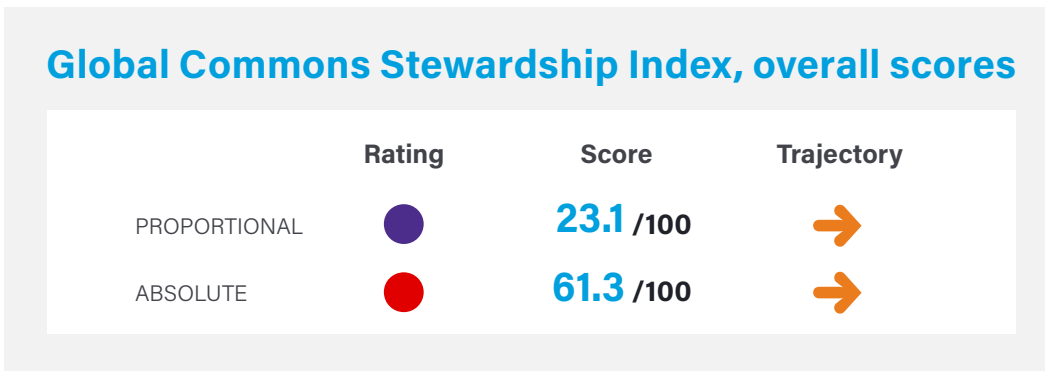
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Mongolia

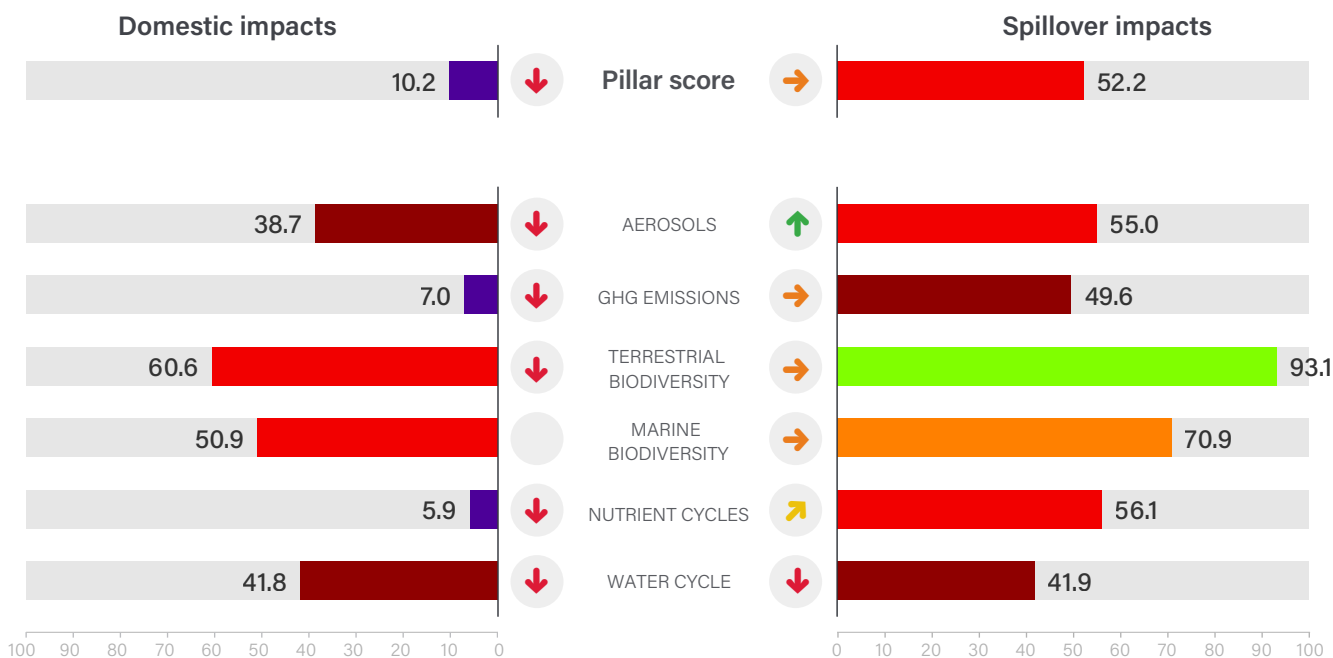
East and South Asia

Land area	1,557,255 sq. km	Population	3.3 million
GDP (PPP, constant 2017 US\$, billions)	\$37.6	GDP per capita	\$11,471
Human Development Index (HDI)	0.739	HDI category	High



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

95–100	None or limited
90–95	Low
80–90	Medium-low
70–80	Medium-high
50–70	High
30–50	Very high
0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Mongolia

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	39.24	kg/capita	12.4	● ↓	124.40	Gg	2018
Spillover SO ₂ emissions	3.95	kg/capita	53.0	● ↑	11.85	Gg	2015
Domestic NO _x emissions	19.38	kg/capita	70.4	● ↓	61.44	Gg	2018
Spillover NO _x emissions	3.72	kg/capita	53.0	● ↑	11.16	Gg	2015
Domestic black carbon emissions	0.47	kg/capita	66.7	● ↓	1.48	Gg	2018
Spillover black carbon emissions	0.12	kg/capita	59.1	● ↑	0.37	Gg	2015
GHG Emissions							
Domestic GHG emissions	20.91	t CO ₂ e/capita	8.9	● ↓	67.44	Tg	2019
Spillover GHG emissions	2.46	t CO ₂ e/capita	49.6	● →	7.79	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	25.48	t CO ₂ e/capita	3.4	● ●	83.53	Tg	2020
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	45.00	%	56.7	● ↓	45.00	%	2020
Unprotected freshwater biodiversity sites	41.40	%	61.5	● ↓	41.40	%	2020
Domestic land use related biodiversity loss	4.40 × 10 ⁻¹¹	global PDF/capita	41.5	● →	1.39 × 10 ⁻⁴	global PDF	2018
Spillover land use related biodiversity loss	1.23 × 10 ⁻¹²	global PDF/capita	95.7	● ↗	3.91 × 10 ⁻⁶	global PDF	2018
Domestic freshwater biodiversity threats	0.37	spp./million	37.7	● ●	1.18	species	2018
Spillover freshwater biodiversity threats	0.01	spp./million	83.9	● ●	0.02	species	2018
Domestic deforestation	0.01	%	99.0	● ↓	4.57 × 10 ²	hectares	2020
Spillover deforestation	3.48 × 10 ⁻⁴	ha/capita	97.0	● ↓	1.10 × 10 ³	hectares	2018
Red List Index of species survival	0.96	scale 0 to 1	90.4	● ↓	0.96	scale 0 to 1	2021
Biodiversity Habitat Index	0.52	scale 0 to 1	34.3	● ●	0.52	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	7.13 × 10 ⁻⁶	WOE/million	99.9	● ●	2.30 × 10	WOE	2019
Spillover endangered terrestrial animals	3.11 × 10 ⁻⁴	WOE/capita	96.4	● ●	1.00 × 10 ³	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	NA	WOE/million	NA	● ●	NA	WOE	NA
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE	2019
Unprotected marine biodiversity sites	NA	%	NA	● ●	NA	%	NA
Domestic marine biodiversity threats	0.22	spp./million	50.9	● ●	0.70	species	2018
Spillover marine biodiversity threats	0.01	spp./million	65.4	● ●	0.02	species	2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	● ●	NA	%	NA
Fish caught by trawling	NA	%	NA	● ●	NA	%	NA
Domestic vulnerable fisheries catch	NA	tonnes/capita	NA	● ●	NA	Tg	NA
Spillover vulnerable fisheries catch	2.95	tonnes/capita	54.6	● →	0.01	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	1.14	scale 0 to 1.4	2.2	● ↓	1.14	scale 0 to 1.4	2015
Domestic nitrogen surplus	44.79	kg/capita	1.0	● ↓	134.31	Gg	2015
Spillover nitrogen surplus	1.20	kg/capita	56.5	● ↗	3.60	Tg	2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt	NA
Spillover phosphorus fertilizer	1.55	g/capita	55.7	● ↗	4.92	kt	2018
Water Cycle							
Domestic scarce water consumption	5.06	m ³ H ₂ O-eq./capita	44.0	● ↓	16.03	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	5.65	m ³ H ₂ O-eq./capita	97.1	● ↓	107.80	Mm ³ H ₂ O-eq.	2018
Domestic water stress	1.20	ML H ₂ O-eq./capita	34.0	● ↓	3.80	Bm ³ H ₂ O-eq.	2018
Spillover water stress	0.66	m ³ H ₂ O-eq./capita	69.0	● ↓	12.56	Mm ³ H ₂ O-eq.	2018

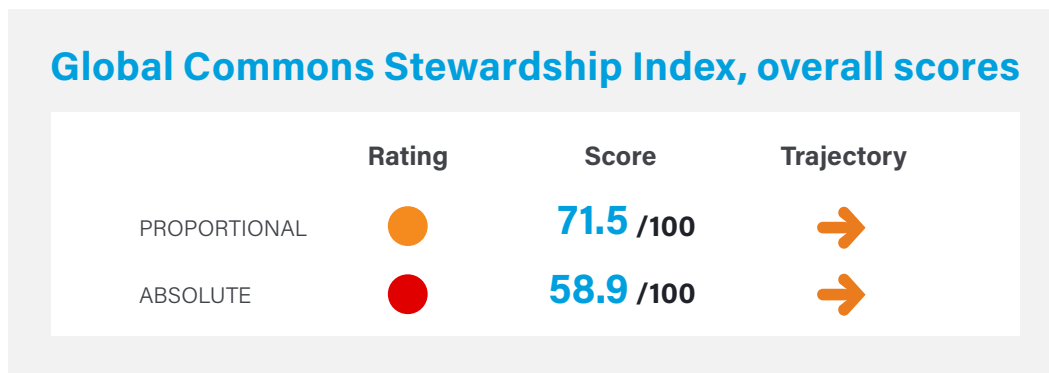
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Morocco

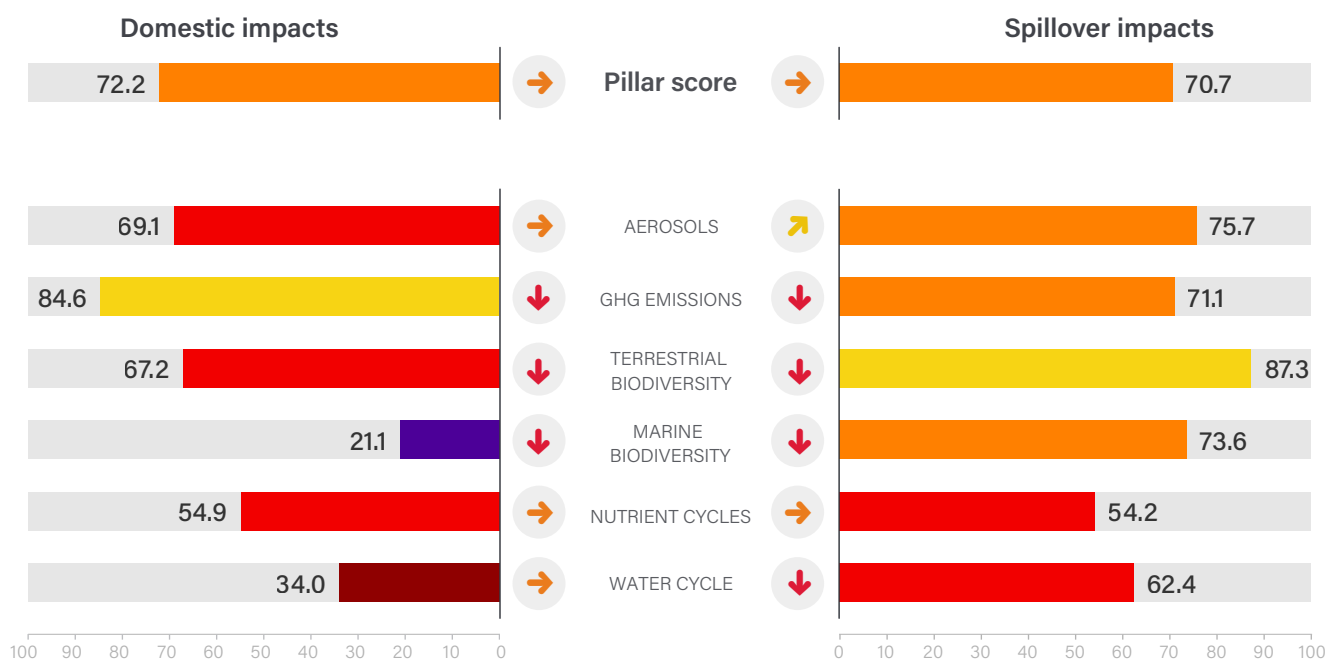
Middle East and North Africa

Land area	446,300 sq. km	Population	36.9 million
GDP (PPP, constant 2017 US\$, billions)	\$259.4	GDP per capita	\$7,028
Human Development Index (HDI)	0.683	HDI category	Medium



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

Green	95–100	None or limited
Light green	90–95	Low
Yellow	80–90	Medium-low
Orange	70–80	Medium-high
Red	50–70	High
Dark red	30–50	Very high
Purple	0–30	Extreme

Trajectories

Based on 5-year growth rates

Green arrow up	Projected to meet 2050 threshold
Yellow arrow up-right	Projected to meet 2030 threshold only
Orange arrow right	Insufficient progress toward threshold
Red arrow down	Headed in wrong direction

Morocco

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	11.45	kg/capita	40.7	● ↓	412.68	Gg	2018
Spillover SO ₂ emissions	1.54	kg/capita	78.9	● ↑	53.54	Gg	2015
Domestic NO _x emissions	8.00	kg/capita	93.6	● ↓	288.29	Gg	2018
Spillover NO _x emissions	1.82	kg/capita	72.0	● ↗	63.16	Gg	2015
Domestic black carbon emissions	0.25	kg/capita	86.6	● ↑	8.86	Gg	2018
Spillover black carbon emissions	0.07	kg/capita	76.5	● ↑	2.26	Gg	2015
GHG Emissions							
Domestic GHG emissions	3.21	t CO ₂ e/capita	81.6	● ↓	11712	Tg	2019
Spillover GHG emissions	1.14	t CO ₂ e/capita	71.1	● ↓	41.14	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	0.00	t CO ₂ e/capita	94.0	● ●	0.00	Tg	2020
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	38.49	%	63.3	● ↓	38.49	%	2020
Unprotected freshwater biodiversity sites	54.26	%	48.2	● ↓	54.26	%	2020
Domestic land use related biodiversity loss	3.34 × 10 ⁻¹²	global PDF/capita	95.6	● ↗	1.20 × 10 ⁻⁴	global PDF	2018
Spillover land use related biodiversity loss	2.61 × 10 ⁻¹²	global PDF/capita	87.4	● ↓	9.39 × 10 ⁻⁵	global PDF	2018
Domestic freshwater biodiversity threats	0.33	spp./million	39.2	● ●	11.98	species	2018
Spillover freshwater biodiversity threats	0.01	spp./million	74.1	● ●	0.39	species	2018
Domestic deforestation	0.51	%	61.4	● ↓	2.08 × 10 ³	hectares	2020
Spillover deforestation	8.54 × 10 ⁻⁴	ha/capita	89.6	● ↓	3.08 × 10 ⁴	hectares	2018
Red List Index of species survival	0.88	scale 0 to 1	67.8	● ↓	0.88	scale 0 to 1	2021
Biodiversity Habitat Index	0.47	scale 0 to 1	25.8	● ●	0.47	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	0.00	WOE/million	100.0	● ●	0.00	WOE	2019
Spillover endangered terrestrial animals	5.62 × 10 ⁻⁶	WOE/capita	99.9	● ●	2.05 × 10 ²	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE	2019
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE	2019
Unprotected marine biodiversity sites	43.32	%	57.1	● ↓	43.32	%	2020
Domestic marine biodiversity threats	0.33	spp./million	45.3	● ●	11.93	species	2018
Spillover marine biodiversity threats	0.00	spp./million	72.3	● ●	0.14	species	2018
Fish caught from overexploited or collapsed stocks	10.56	%	83.2	● ↓	10.56	%	2018
Fish caught by trawling	71.23	%	1.0	● ↓	71.23	%	2018
Domestic vulnerable fisheries catch	67.86	tonnes/capita	13.0	● ↓	2.44	Tg	2018
Spillover vulnerable fisheries catch	2.85	tonnes/capita	55.2	● ↓	0.10	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	0.80	scale 0 to 1.4	31.6	● ↗	0.80	scale 0 to 1.4	2015
Domestic nitrogen surplus	4.15	kg/capita	89.4	● ↓	143.97	Gg	2015
Spillover nitrogen surplus	0.64	kg/capita	68.4	● ↗	22.28	Tg	2015
Domestic phosphorus fertilizer	3.67	kg/capita	57.7	● ↑	132.10	kt	2018
Spillover phosphorus fertilizer	2.33	g/capita	43.0	● ↓	83.99	kt	2018
Water Cycle							
Domestic scarce water consumption	3.05	m ³ H ₂ O-eq./capita	49.7	● ↗	109.75	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	71.67	m ³ H ₂ O-eq./capita	31.0	● ↓	34.73	Mm ³ H ₂ O-eq.	2018
Domestic water stress	9.46	ML H ₂ O-eq./capita	7.4	● ↗	340.68	Bm ³ H ₂ O-eq.	2018
Spillover water stress	4.78	m ³ H ₂ O-eq./capita	17.7	● ↓	2.32	Mm ³ H ₂ O-eq.	2018

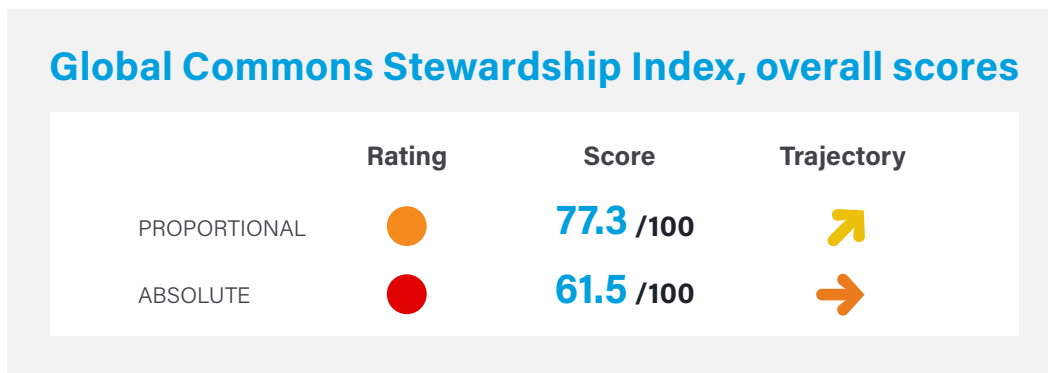
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Mozambique

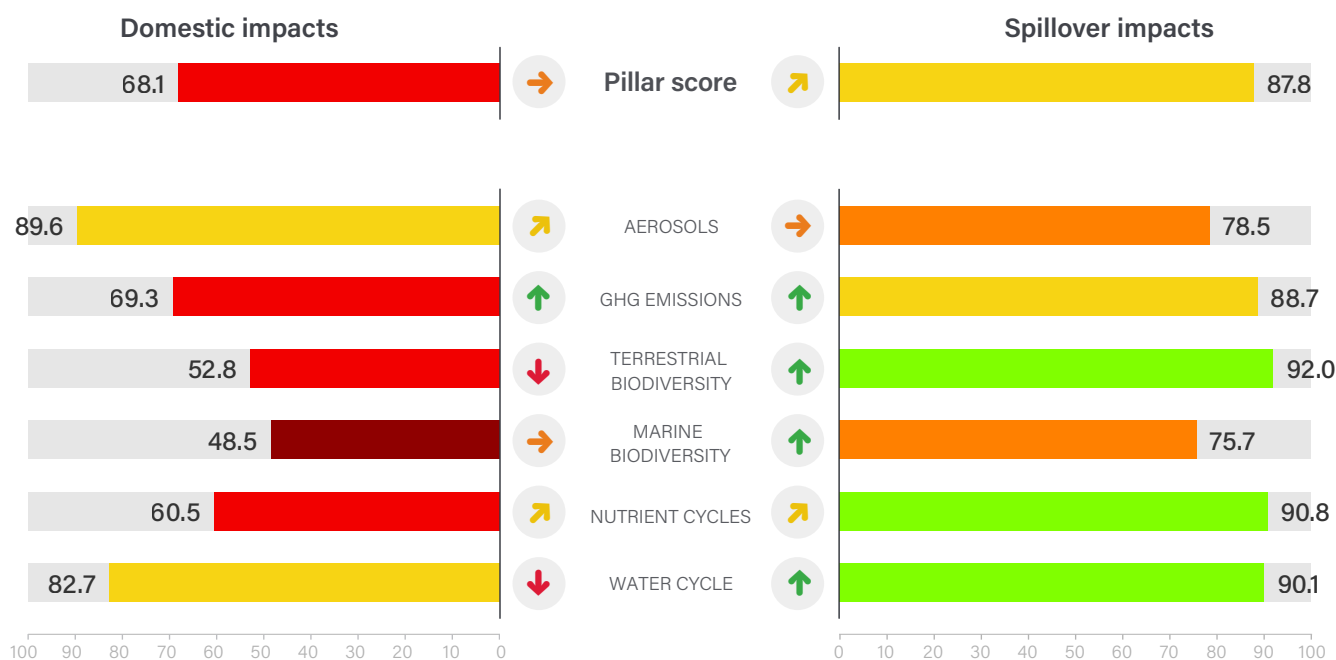
Africa

Land area	786,380 sq. km	Population	31.3 million
GDP (PPP, constant 2017 US\$, billions)	\$38.4	GDP per capita	\$1,229
Human Development Index (HDI)	0.446	HDI category	Low



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

Dark Green	95–100	None or limited
Light Green	90–95	Low
Yellow	80–90	Medium-low
Orange	70–80	Medium-high
Red	50–70	High
Dark Red	30–50	Very high
Purple	0–30	Extreme

Trajectories

Based on 5-year growth rates

Green arrow up	Projected to meet 2050 threshold
Yellow arrow up-right	Projected to meet 2030 threshold only
Orange arrow right	Insufficient progress toward threshold
Red arrow down	Headed in wrong direction

Mozambique

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	0.45	kg/capita	100.0	● ↑	13.37	Gg 2018
Spillover SO ₂ emissions	2.12	kg/capita	70.1	● ↗	57.42	Gg 2015
Domestic NO _x emissions	2.27	kg/capita	100.0	● ↓	67.02	Gg 2018
Spillover NO _x emissions	1.37	kg/capita	79.4	● ↗	37.18	Gg 2015
Domestic black carbon emissions	0.41	kg/capita	71.9	● ↑	12.03	Gg 2018
Spillover black carbon emissions	0.05	kg/capita	86.7	● ↓	1.22	Gg 2015
GHG Emissions						
Domestic GHG emissions	2.00	t CO ₂ e/capita	99.9	● ↑	60.84	Tg 2019
Spillover GHG emissions	0.61	t CO ₂ e/capita	88.7	● ↑	18.00	Tg 2018
CO ₂ emissions embodied in fossil fuel exports	0.34	t CO ₂ e/capita	23.0	● ●	10.73	Tg 2020
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	37.97	%	63.9	● ↓	37.97	% 2020
Unprotected freshwater biodiversity sites	52.31	%	50.3	● ↓	52.31	% 2020
Domestic land use related biodiversity loss	2.94 × 10 ⁻¹²	global PDF/capita	96.1	● →	8.68 × 10 ⁻⁵	global PDF 2018
Spillover land use related biodiversity loss	1.01 × 10 ⁻¹²	global PDF/capita	97.0	● ↑	2.97 × 10 ⁻⁵	global PDF 2018
Domestic freshwater biodiversity threats	1.19	spp./million	21.7	● ●	34.99	species 2018
Spillover freshwater biodiversity threats	0.01	spp./million	73.9	● ●	0.33	species 2018
Domestic deforestation	0.78	%	41.3	● ↓	2.11 × 10 ⁵	hectares 2020
Spillover deforestation	1.63 × 10 ⁻⁴	ha/capita	99.7	● ↑	4.81 × 10 ³	hectares 2018
Red List Index of species survival	0.79	scale 0 to 1	38.7	● ↓	0.79	scale 0 to 1 2021
Biodiversity Habitat Index	0.54	scale 0 to 1	36.0	● ●	0.54	scale 0 to 1 2020
Domestic export of endangered terrestrial animals	2.95 × 10 ⁻³	WOE/million	69.3	● ●	8.95 × 10 ⁴	WOE 2019
Spillover endangered terrestrial animals	6.59 × 10 ⁻⁸	WOE/capita	100.0	● ●	2.00	WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE 2019
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE 2019
Unprotected marine biodiversity sites	75.43	%	25.3	● ↓	75.43	% 2020
Domestic marine biodiversity threats	1.19	spp./million	27.5	● ●	35.07	species 2018
Spillover marine biodiversity threats	0.01	spp./million	63.8	● ●	0.22	species 2018
Fish caught from overexploited or collapsed stocks	1.05	%	98.4	● ↑	1.05	% 2018
Fish caught by trawling	0.00	%	100.0	● ●	0.00	% 2018
Domestic vulnerable fisheries catch	15.41	tonnes/capita	32.5	● ↓	0.45	Tg 2018
Spillover vulnerable fisheries catch	1.32	tonnes/capita	68.0	● ↑	0.04	tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.91	scale 0 to 1.4	22.0	● →	0.91	scale 0 to 1.4 2015
Domestic nitrogen surplus	1.00	kg/capita	98.5	● ↑	27.10	Gg 2015
Spillover nitrogen surplus	0.11	kg/capita	100.0	● ↓	3.04	Tg 2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt NA
Spillover phosphorus fertilizer	0.65	g/capita	82.4	● ↑	19.27	kt 2018
Water Cycle						
Domestic scarce water consumption	0.11	m ³ H ₂ O-eq./capita	86.7	● ↓	3.35	Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	18.56	m ³ H ₂ O-eq./capita	66.2	● ↑	996.91	Mm ³ H ₂ O-eq. 2018
Domestic water stress	0.08	ML H ₂ O-eq./capita	68.6	● ↓	2.44	Bm ³ H ₂ O-eq. 2018
Spillover water stress	0.39	m ³ H ₂ O-eq./capita	82.7	● ↑	20.82	Mm ³ H ₂ O-eq. 2018

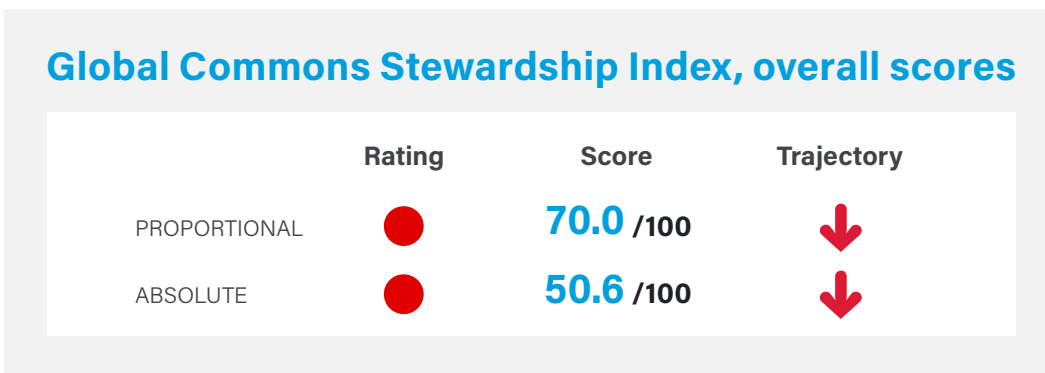
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Myanmar

East and South Asia

Land area	652,790 sq. km	Population	54.4 million
GDP (PPP, constant 2017 US\$, billions)	\$247.2	GDP per capita	\$4,544
Human Development Index (HDI)	0.585	HDI category	Medium



Impacts by pillar and sub-pillar

Proportional scores and trajectories



The Global Commons Stewardship Index

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Dashboard categories

Negative impacts on the Global Commons

95–100	None or limited
90–95	Low
80–90	Medium-low
70–80	Medium-high
50–70	High
30–50	Very high
0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Myanmar

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	1.95	kg/capita	81.4	●	↓	104.71 Gg 2018
Spillover SO ₂ emissions	0.95	kg/capita	92.2	●	↓	50.23 Gg 2015
Domestic NO _x emissions	3.44	kg/capita	100.0	●	↓	185.01 Gg 2018
Spillover NO _x emissions	0.88	kg/capita	91.4	●	↓	46.13 Gg 2015
Domestic black carbon emissions	0.60	kg/capita	54.4	●	↓	32.34 Gg 2018
Spillover black carbon emissions	0.05	kg/capita	84.1	●	↓	2.61 Gg 2015
GHG Emissions						
Domestic GHG emissions	4.45	t CO ₂ e/capita	69.0	●	↓	240.58 Tg 2019
Spillover GHG emissions	0.51	t CO ₂ e/capita	93.7	●	↓	27.36 Tg 2018
CO ₂ emissions embodied in fossil fuel exports	0.57	t CO ₂ e/capita	20.7	●	●	31.10 Tg 2020
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	25.08	%	76.9	●	↓	25.08 % 2020
Unprotected freshwater biodiversity sites	27.06	%	76.4	●	↓	27.06 % 2020
Domestic land use related biodiversity loss	4.12 × 10 ⁻¹²	global PDF/capita	94.5	●	↓	2.21 × 10 ⁻⁴ global PDF 2018
Spillover land use related biodiversity loss	8.24 × 10 ⁻¹³	global PDF/capita	98.1	●	↓	4.43 × 10 ⁻⁵ global PDF 2018
Domestic freshwater biodiversity threats	1.39	spp./million	19.5	●	●	74.83 species 2018
Spillover freshwater biodiversity threats	0.00	spp./million	100.0	●	●	0.01 species 2018
Domestic deforestation	0.73	%	45.4	●	↓	2.98 × 10 ⁵ hectares 2020
Spillover deforestation	1.58 × 10 ⁻⁴	ha/capita	99.8	●	↓	8.48 × 10 ³ hectares 2018
Red List Index of species survival	0.79	scale 0 to 1	40.3	●	↓	0.79 scale 0 to 1 2021
Biodiversity Habitat Index	0.41	scale 0 to 1	18.1	●	●	0.41 scale 0 to 1 2020
Domestic export of endangered terrestrial animals	0.00	WOE/million	100.0	●	●	0.00 WOE 2019
Spillover endangered terrestrial animals	0.00	WOE/capita	100.0	●	●	0.00 WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	0.00	WOE/million	100.0	●	●	0.00 WOE 2019
Spillover endangered marine animals	0.00	WOE/capita	100.0	●	●	0.00 WOE 2019
Unprotected marine biodiversity sites	19.20	%	81.0	●	↓	19.20 % 2020
Domestic marine biodiversity threats	0.38	spp./million	43.2	●	●	20.57 species 2018
Spillover marine biodiversity threats	0.00	spp./million	100.0	●	●	0.00 species 2018
Fish caught from overexploited or collapsed stocks	20.24	%	67.7	●	↓	20.24 % 2018
Fish caught by trawling	47.68	%	22.0	●	↓	47.68 % 2018
Domestic vulnerable fisheries catch	64.29	tonnes/capita	13.7	●	↓	3.45 Tg 2018
Spillover vulnerable fisheries catch	0.82	tonnes/capita	75.9	●	↓	0.04 tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.60	scale 0 to 1.4	48.6	●	↓	0.60 scale 0 to 1.4 2015
Domestic nitrogen surplus	10.95	kg/capita	69.8	●	↓	576.87 Gg 2015
Spillover nitrogen surplus	0.06	kg/capita	100.0	●	↓	3.23 Tg 2015
Domestic phosphorus fertilizer	2.74	kg/capita	65.4	●	↓	147.41 kt 2018
Spillover phosphorus fertilizer	0.73	g/capita	79.1	●	↓	39.09 kt 2018
Water Cycle						
Domestic scarce water consumption	0.21	m ³ H ₂ O-eq./capita	79.5	●	↓	11.53 Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	73.83	m ³ H ₂ O-eq./capita	30.3	●	↓	234.04 Mm ³ H ₂ O-eq. 2018
Domestic water stress	0.08	ML H ₂ O-eq./capita	69.6	●	↓	4.11 Bm ³ H ₂ O-eq. 2018
Spillover water stress	1.01	m ³ H ₂ O-eq./capita	58.1	●	↓	3.19 Mm ³ H ₂ O-eq. 2018

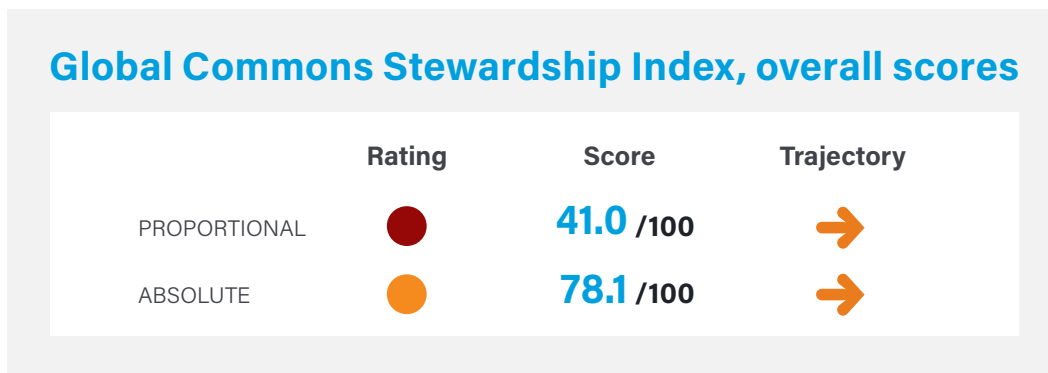
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Namibia

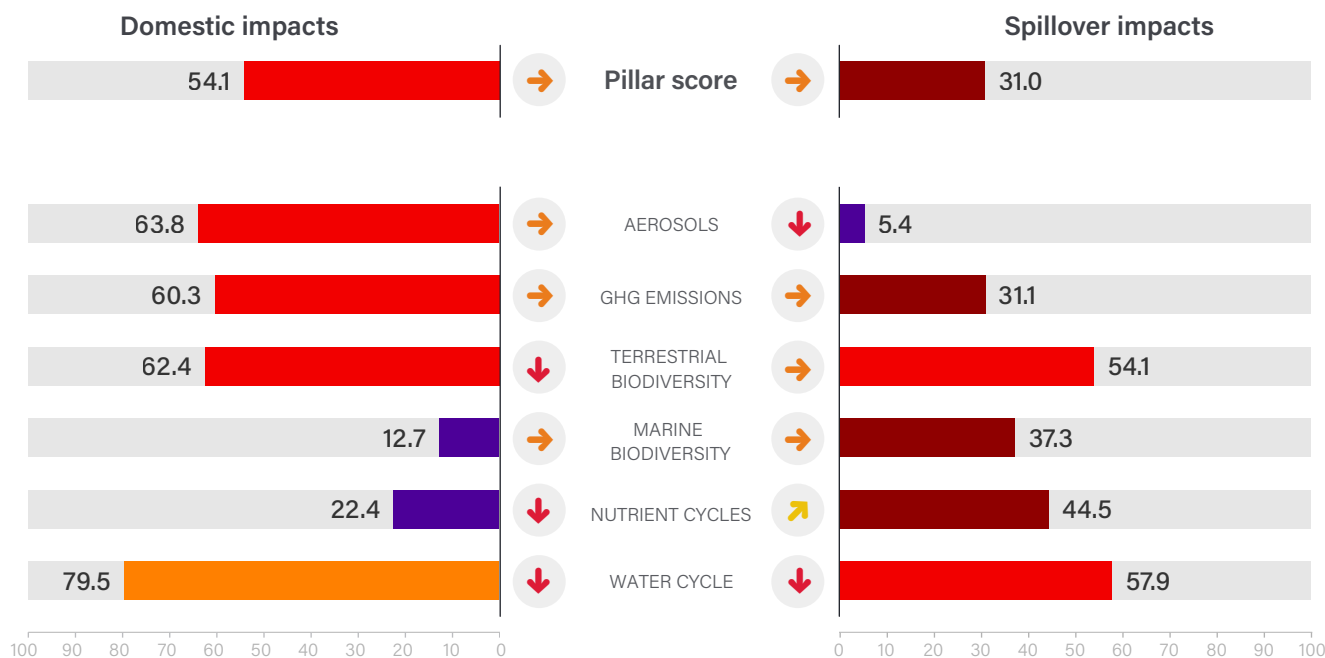
Africa

Land area	823,290 sq. km	Population	2.5 million
GDP (PPP, constant 2017 US\$, billions)	\$22.6	GDP per capita	\$8,894
Human Development Index (HDI)	0.615	HDI category	Medium



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

	95–100	None or limited
	90–95	Low
	80–90	Medium-low
	70–80	Medium-high
	50–70	High
	30–50	Very high
	0–30	Extreme

Trajectories

Based on 5-year growth rates

	Projected to meet 2050 threshold
	Projected to meet 2030 threshold only
	Insufficient progress toward threshold
	Headed in wrong direction

Namibia

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	5.44	kg/capita	57.9	● ↗	13.31	Gg	2018
Spillover SO ₂ emissions	22.34	kg/capita	5.2	● ↓	51.71	Gg	2015
Domestic NO _x emissions	10.61	kg/capita	88.3	● ↗	25.98	Gg	2018
Spillover NO _x emissions	14.21	kg/capita	17.4	● ↓	32.89	Gg	2015
Domestic black carbon emissions	0.64	kg/capita	50.8	● ↗	1.57	Gg	2018
Spillover black carbon emissions	0.97	kg/capita	1.7	● ↓	2.25	Gg	2015
GHG Emissions							
Domestic GHG emissions	5.57	t CO ₂ e/capita	60.3	● ↗	13.89	Tg	2019
Spillover GHG emissions	4.74	t CO ₂ e/capita	31.1	● ↗	11.62	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	NA	t CO ₂ e/capita	NA	● ●	NA	Tg	NA
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	86.18	%	15.0	● ↓	86.18	%	2020
Unprotected freshwater biodiversity sites	85.70	%	15.8	● ↓	85.70	%	2020
Domestic land use related biodiversity loss	2.72 × 10 ⁻¹²	global PDF/capita	96.4	● ↗	6.65 × 10 ⁻⁶	global PDF	2018
Spillover land use related biodiversity loss	1.10 × 10 ⁻¹¹	global PDF/capita	37.1	● ↗	2.69 × 10 ⁻⁵	global PDF	2018
Domestic freshwater biodiversity threats	2.44	spp./million	11.8	● ●	5.97	species	2018
Spillover freshwater biodiversity threats	0.16	spp./million	28.8	● ●	0.40	species	2018
Domestic deforestation	0.42	%	68.1	● ↓	2.91	hectares	2020
Spillover deforestation	1.49 × 10 ⁻³	ha/capita	80.3	● ↓	3.65 × 10 ³	hectares	2018
Red List Index of species survival	0.97	scale 0 to 1	94.2	● ↓	0.97	scale 0 to 1	2021
Biodiversity Habitat Index	0.57	scale 0 to 1	41.3	● ●	0.57	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	0.00	WOE/million	100.0	● ●	0.00	WOE	2019
Spillover endangered terrestrial animals	0.00	WOE/capita	100.0	● ●	0.00	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE	2019
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE	2019
Unprotected marine biodiversity sites	82.98	%	17.9	● ↓	82.98	%	2020
Domestic marine biodiversity threats	7.17	spp./million	2.6	● ●	17.55	species	2018
Spillover marine biodiversity threats	0.28	spp./million	17.6	● ●	0.68	species	2018
Fish caught from overexploited or collapsed stocks	5.18	%	91.8	● ↑	5.18	%	2018
Fish caught by trawling	33.51	%	45.2	● ↓	33.51	%	2018
Domestic vulnerable fisheries catch	853.67	tonnes/capita	1.0	● ↓	2.09	Tg	2018
Spillover vulnerable fisheries catch	13.24	tonnes/capita	29.5	● ↗	0.03	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	1.15	scale 0 to 1.4	1.0	● ↓	1.15	scale 0 to 1.4	2015
Domestic nitrogen surplus	7.69	kg/capita	79.2	● ↓	17.80	Gg	2015
Spillover nitrogen surplus	2.04	kg/capita	46.4	● ↓	4.73	Tg	2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt	NA
Spillover phosphorus fertilizer	2.36	g/capita	42.6	● ↑	5.79	kt	2018
Water Cycle							
Domestic scarce water consumption	0.11	m ³ H ₂ O-eq./capita	86.6	● ↓	0.28	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	6.92	m ³ H ₂ O-eq./capita	91.9	● ↓	204.13	Mm ³ H ₂ O-eq.	2018
Domestic water stress	0.21	ML H ₂ O-eq./capita	56.5	● ↓	0.51	Bm ³ H ₂ O-eq.	2018
Spillover water stress	0.31	m ³ H ₂ O-eq./capita	88.4	● ↓	9.17	Mm ³ H ₂ O-eq.	2018

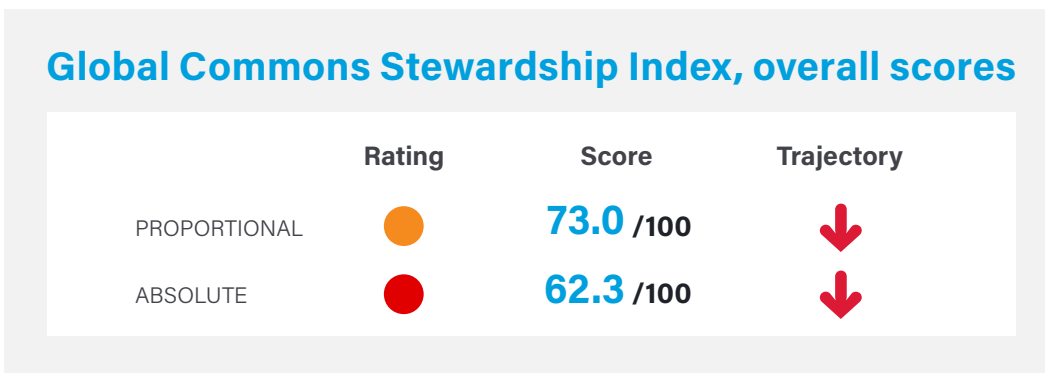
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Nepal

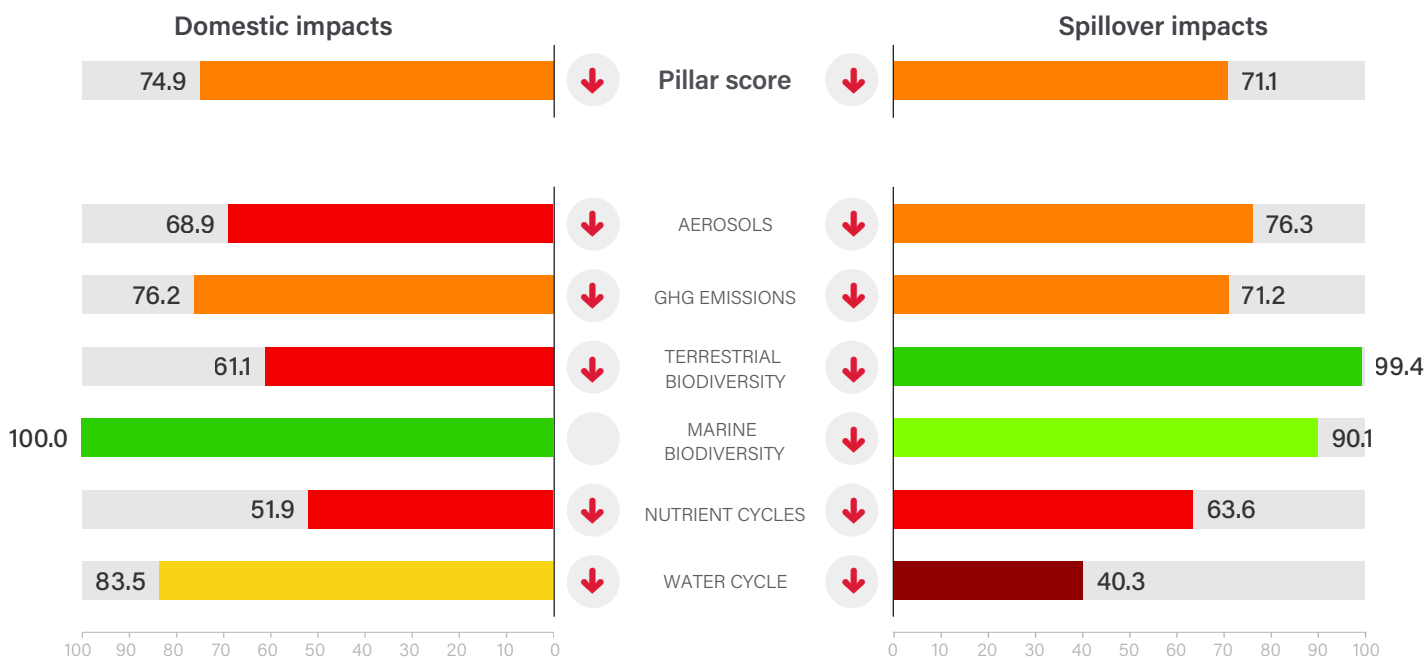
East and South Asia

Land area	143,350 sq. km	Population	29.1 million
GDP (PPP, constant 2017 US\$, billions)	\$110.7	GDP per capita	\$3,800
Human Development Index (HDI)	0.602	HDI category	Medium



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

	95–100	None or limited
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	80–90	Medium-low
	70–80	Medium-high
	50–70	High
	30–50	Very high
	0–30	Extreme

Trajectories

Based on 5-year growth rates

	Projected to meet 2050 threshold
	Projected to meet 2030 threshold only
	Insufficient progress toward threshold
	Headed in wrong direction

Nepal

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	1.78	kg/capita	83.5	●	↓	50.02 Gg 2018
Spillover SO ₂ emissions	1.62	kg/capita	77.6	●	↓	43.75 Gg 2015
Domestic NO _x emissions	3.72	kg/capita	100.0	●	↓	104.45 Gg 2018
Spillover NO _x emissions	1.38	kg/capita	79.3	●	↓	37.34 Gg 2015
Domestic black carbon emissions	0.77	kg/capita	39.2	●	→	21.65 Gg 2018
Spillover black carbon emissions	0.08	kg/capita	72.1	●	↓	2.07 Gg 2015
GHG Emissions						
Domestic GHG emissions	3.67	t CO ₂ e/capita	76.5	●	↓	104.90 Tg 2019
Spillover GHG emissions	1.14	t CO ₂ e/capita	71.2	●	↓	31.92 Tg 2018
CO ₂ emissions embodied in fossil fuel exports	0.00	t CO ₂ e/capita	75.4	●	●	0.00 Tg 2018
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	50.66	%	51.0	●	↓	50.66 % 2020
Unprotected freshwater biodiversity sites	32.43	%	70.8	●	↓	32.43 % 2020
Domestic land use related biodiversity loss	4.63 × 10 ⁻¹²	global PDF/capita	93.9	●	→	1.30 × 10 ⁻⁴ global PDF 2018
Spillover land use related biodiversity loss	8.86 × 10 ⁻¹³	global PDF/capita	97.8	●	↓	2.49 × 10 ⁻⁵ global PDF 2018
Domestic freshwater biodiversity threats	0.38	spp./million	37.3	●	●	10.68 species 2018
Spillover freshwater biodiversity threats	0.00	spp./million	100.0	●	●	0.04 species 2018
Domestic deforestation	0.02	%	98.3	●	↓	1.11 × 10 ³ hectares 2020
Spillover deforestation	8.15 × 10 ⁻⁵	ha/capita	100.0	●	↓	2.29 × 10 ³ hectares 2018
Red List Index of species survival	0.83	scale 0 to 1	52.6	●	→	0.83 scale 0 to 1 2021
Biodiversity Habitat Index	0.37	scale 0 to 1	12.7	●	●	0.37 scale 0 to 1 2020
Domestic export of endangered terrestrial animals	1.40 × 10 ⁻⁷	WOE/million	100.0	●	●	4.00 WOE 2019
Spillover endangered terrestrial animals	0.00	WOE/capita	100.0	●	●	0.00 WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	NA	WOE/million	NA	●	●	NA WOE NA
Spillover endangered marine animals	0.00	WOE/capita	100.0	●	●	0.00 WOE 2019
Unprotected marine biodiversity sites	NA	%	NA	●	●	NA % NA
Domestic marine biodiversity threats	0.00	spp./million	100.0	●	●	0.08 species 2018
Spillover marine biodiversity threats	0.00	spp./million	100.0	●	●	0.01 species 2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	●	●	NA % NA
Fish caught by trawling	NA	%	NA	●	●	NA % NA
Domestic vulnerable fisheries catch	NA	tonnes/capita	NA	●	●	NA Tg NA
Spillover vulnerable fisheries catch	0.97	tonnes/capita	73.1	●	↓	0.03 tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.72	scale 0 to 1.4	38.5	●	↓	0.72 scale 0 to 1.4 2015
Domestic nitrogen surplus	6.90	kg/capita	81.5	●	↓	186.32 Gg 2015
Spillover nitrogen surplus	0.42	kg/capita	76.4	●	↓	11.34 Tg 2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	●	●	NA kt NA
Spillover phosphorus fertilizer	1.70	g/capita	52.9	●	↓	47.64 kt 2018
Water Cycle						
Domestic scarce water consumption	0.04	m ³ H ₂ O-eq./capita	97.1	●	↓	1.26 Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	13.79	m ³ H ₂ O-eq./capita	73.9	●	↓	60.72 Mm ³ H ₂ O-eq. 2018
Domestic water stress	0.49	ML H ₂ O-eq./capita	45.7	●	↓	13.70 Bm ³ H ₂ O-eq. 2018
Spillover water stress	0.90	m ³ H ₂ O-eq./capita	60.9	●	↓	3.97 Mm ³ H ₂ O-eq. 2018

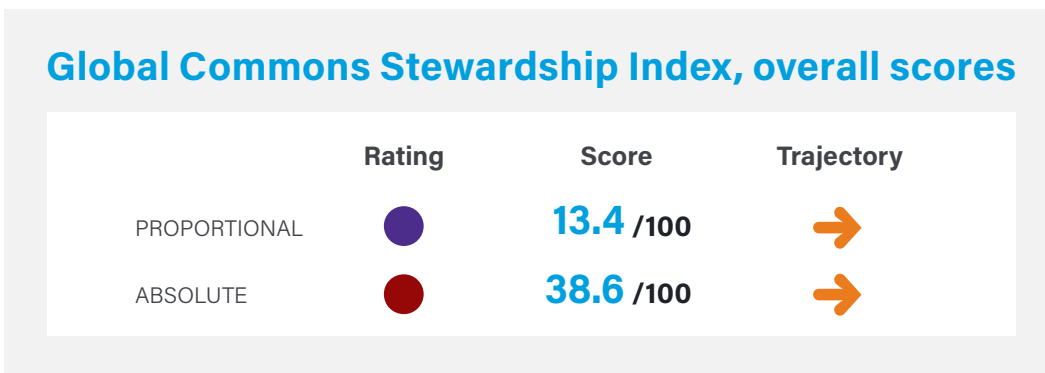
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Netherlands

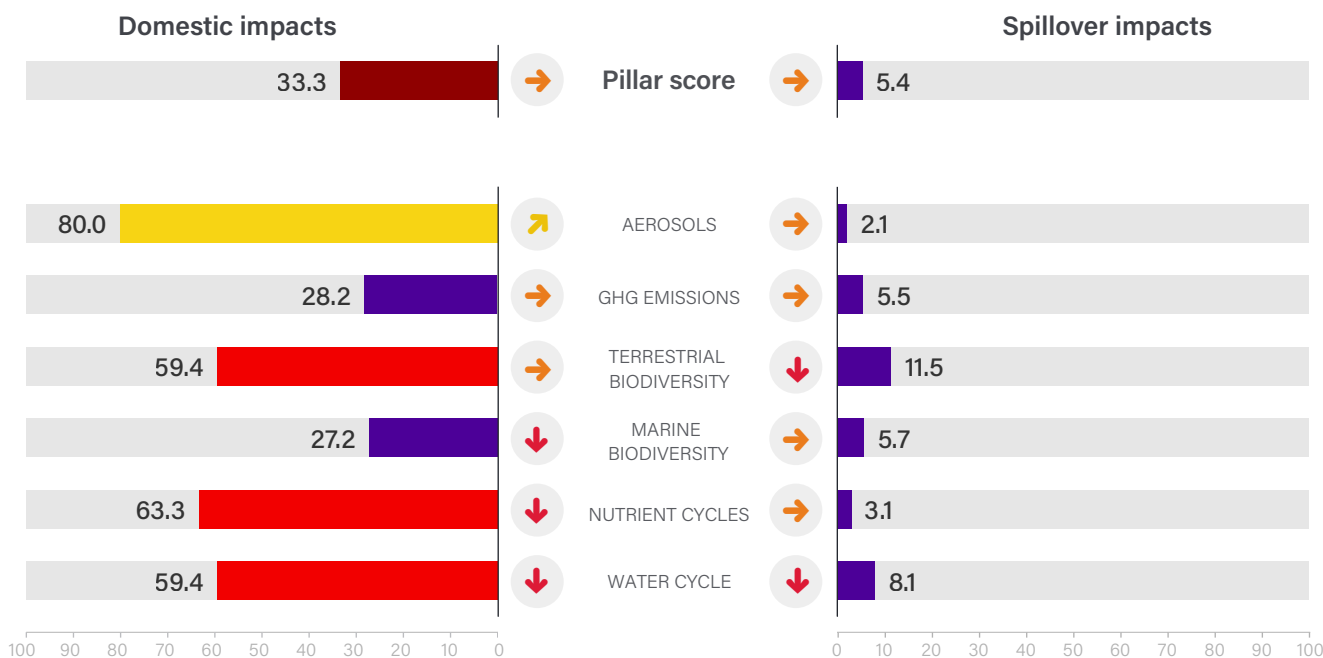
OECD Member

Land area	33,670 sq. km	Population	17.4 million
GDP (PPP, constant 2017 US\$, billions)	\$947.5	GDP per capita	\$54,326
Human Development Index (HDI)	0.941	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons



Trajectories

Based on 5-year growth rates



Netherlands

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	3.71	kg/capita	66.6	● ↗	63.98	Gg	2018
Spillover SO ₂ emissions	22.16	kg/capita	5.5	● →	375.43	Gg	2015
Domestic NO _x emissions	14.76	kg/capita	79.8	● →	254.42	Gg	2018
Spillover NO _x emissions	26.90	kg/capita	1.0	● →	455.62	Gg	2015
Domestic black carbon emissions	0.14	kg/capita	96.4	● ↗	2.36	Gg	2018
Spillover black carbon emissions	0.97	kg/capita	1.8	● →	16.42	Gg	2015
GHG Emissions							
Domestic GHG emissions	12.94	t CO ₂ e/capita	27.6	● →	224.43	Tg	2019
Spillover GHG emissions	11.82	t CO ₂ e/capita	5.5	● →	203.66	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	0.07	t CO ₂ e/capita	30.4	● ●	1.20	Tg	2021
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	79.59	%	21.7	● ↓	79.59	%	2020
Unprotected freshwater biodiversity sites	87.30	%	14.1	● ↓	87.30	%	2020
Domestic land use related biodiversity loss	4.04 × 10 ⁻¹³	global PDF/capita	99.5	● ↗	6.96 × 10 ⁻⁶	global PDF	2018
Spillover land use related biodiversity loss	1.57 × 10 ⁻¹¹	global PDF/capita	8.8	● ↓	2.71 × 10 ⁻⁴	global PDF	2018
Domestic freshwater biodiversity threats	0.01	spp./million	90.5	● ●	0.10	species	2018
Spillover freshwater biodiversity threats	0.59	spp./million	7.0	● ●	10.09	species	2018
Domestic deforestation	0.22	%	83.8	● ↓	1.54 × 10 ³	hectares	2020
Spillover deforestation	6.74 × 10 ⁻³	ha/capita	3.2	● ↓	116 × 10 ⁵	hectares	2018
Red List Index of species survival	0.94	scale 0 to 1	84.4	● ↓	0.94	scale 0 to 1	2021
Biodiversity Habitat Index	0.30	scale 0 to 1	2.6	● ●	0.30	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	1.15 × 10 ⁻⁷	WOE/million	100.0	● ●	2.00	WOE	2019
Spillover endangered terrestrial animals	9.77 × 10 ⁻⁴	WOE/capita	88.6	● ●	1.69 × 10 ⁴	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	1.44 × 10 ⁻⁵	WOE/million	99.5	● ●	2.50 × 10 ²	WOE	2019
Spillover endangered marine animals	4.72 × 10 ⁻³	WOE/capita	1.0	● ●	8.18 × 10 ⁴	WOE	2019
Unprotected marine biodiversity sites	96.65	%	4.3	● ↓	96.65	%	2020
Domestic marine biodiversity threats	0.01	spp./million	88.6	● ●	0.24	species	2018
Spillover marine biodiversity threats	0.26	spp./million	18.2	● ●	4.49	species	2018
Fish caught from overexploited or collapsed stocks	53.06	%	15.3	● ↓	53.06	%	2018
Fish caught by trawling	31.31	%	48.9	● →	31.31	%	2018
Domestic vulnerable fisheries catch	10.83	tonnes/capita	37.1	● ↓	0.19	Tg	2018
Spillover vulnerable fisheries catch	41.78	tonnes/capita	10.3	● →	0.72	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	0.76	scale 0 to 1.4	34.8	● ↓	0.76	scale 0 to 1.4	2015
Domestic nitrogen surplus	13.48	kg/capita	62.5	● ↓	228.37	Gg	2015
Spillover nitrogen surplus	21.03	kg/capita	2.2	● ↓	356.31	Tg	2015
Domestic phosphorus fertilizer	0.75	kg/capita	100.0	● ↓	12.90	kt	2018
Spillover phosphorus fertilizer	8.11	g/capita	4.4	● →	139.69	kt	2018
Water Cycle							
Domestic scarce water consumption	1.52	m ³ H ₂ O-eq./capita	57.5	● ↓	26.19	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	3.83	m ³ H ₂ O-eq./capita	100.0	● →	69.56	Mm ³ H ₂ O-eq.	2018
Domestic water stress	0.09	ML H ₂ O-eq./capita	67.7	● ↓	1.52	Bm ³ H ₂ O-eq.	2018
Spillover water stress	0.10	m ³ H ₂ O-eq./capita	100.0	● ↓	1.82	Mm ³ H ₂ O-eq.	2018

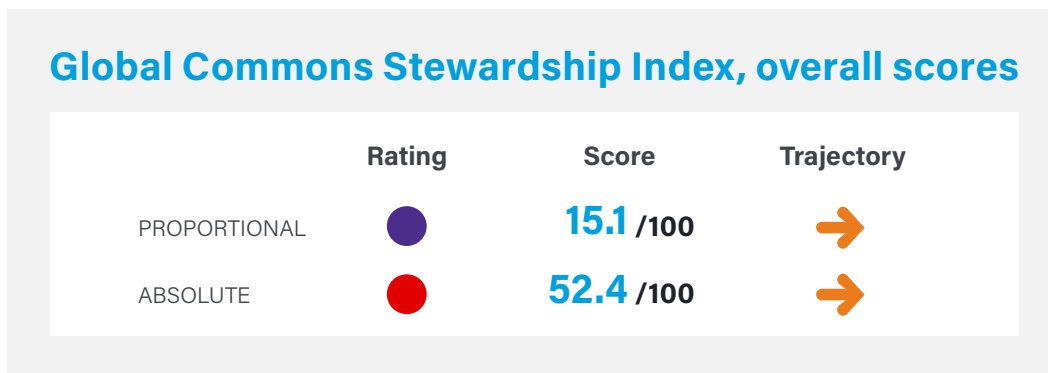
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New Zealand

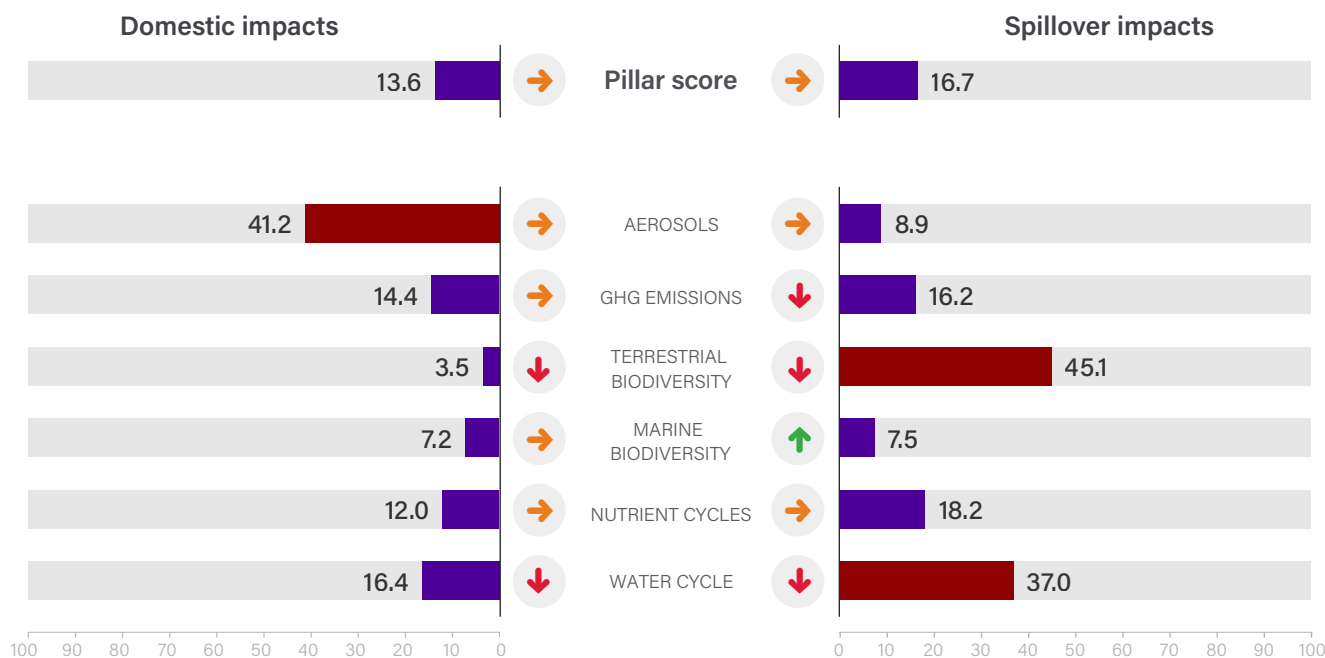
OECD Member

Land area	263,310 sq. km	Population	5.1 million
GDP (PPP, constant 2017 US\$, billions)	\$215.6	GDP per capita	\$42,404
Human Development Index (HDI)	0.937	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories



The Global Commons Stewardship Index

The Global Commons Stewardship Index is a production of the Sustainable Development Solutions Network, the Yale Center for Environmental Law & Policy, and the Center for Global Commons at the University of Tokyo.

Dashboard categories

Negative impacts on the Global Commons

	95–100	None or limited
	90–95	Low
	80–90	Medium-low
	70–80	Medium-high
	50–70	High
	30–50	Very high
	0–30	Extreme

Trajectories

Based on 5-year growth rates

	Projected to meet 2050 threshold
	Projected to meet 2030 threshold only
	Insufficient progress toward threshold
	Headed in wrong direction

New Zealand

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	7.58	kg/capita	50.2	● ➔	3715	Gg	2018
Spillover SO ₂ emissions	18.64	kg/capita	10.2	● ➔	85.90	Gg	2015
Domestic NO _x emissions	39.41	kg/capita	29.4	● ➔	193.15	Gg	2018
Spillover NO _x emissions	20.43	kg/capita	7.8	● ↓	94.16	Gg	2015
Domestic black carbon emissions	0.68	kg/capita	47.3	● ➔	3.34	Gg	2018
Spillover black carbon emissions	0.75	kg/capita	8.9	● ↓	3.45	Gg	2015
GHG Emissions							
Domestic GHG emissions	19.01	t CO ₂ e/capita	12.6	● ➔	94.65	Tg	2019
Spillover GHG emissions	8.07	t CO ₂ e/capita	16.2	● ↓	39.54	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	0.53	t CO ₂ e/capita	21.0	● ●	2.71	Tg	2020
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	46.49	%	55.2	● ↓	46.49	%	2020
Unprotected freshwater biodiversity sites	24.58	%	78.9	● ↓	24.58	%	2020
Domestic land use related biodiversity loss	1.44 × 10 ⁻¹⁰	global PDF/capita	1.0	● ➔	7.06 × 10 ⁻⁴	global PDF	2018
Spillover land use related biodiversity loss	1.45 × 10 ⁻¹¹	global PDF/capita	16.0	● ➔	7.12 × 10 ⁻⁵	global PDF	2018
Domestic freshwater biodiversity threats	10.42	spp./million	1.0	● ●	49.40	species	2018
Spillover freshwater biodiversity threats	0.09	spp./million	39.0	● ●	0.42	species	2018
Domestic deforestation	0.56	%	58.2	● ↓	6.36 × 10 ⁴	hectares	2020
Spillover deforestation	2.40 × 10 ⁻³	ha/capita	66.9	● ↓	118 × 10 ⁴	hectares	2018
Red List Index of species survival	0.62	scale 0 to 1	1.0	● ↓	0.62	scale 0 to 1	2021
Biodiversity Habitat Index	0.38	scale 0 to 1	13.1	● ●	0.38	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	4.02 × 10 ⁻⁶	WOE/million	100.0	● ●	2.00 × 10	WOE	2019
Spillover endangered terrestrial animals	6.74 × 10 ⁻⁵	WOE/capita	99.2	● ●	3.36 × 10 ²	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	6.02 × 10 ⁻⁶	WOE/million	99.8	● ●	3.00 × 10	WOE	2019
Spillover endangered marine animals	1.55 × 10 ⁻³	WOE/capita	1.0	● ●	7.71 × 10 ³	WOE	2019
Unprotected marine biodiversity sites	47.08	%	53.4	● ↓	47.08	%	2020
Domestic marine biodiversity threats	12.85	spp./million	1.0	● ●	60.96	species	2018
Spillover marine biodiversity threats	0.38	spp./million	13.4	● ●	1.82	species	2018
Fish caught from overexploited or collapsed stocks	60.40	%	3.6	● ↓	60.40	%	2018
Fish caught by trawling	44.27	%	27.6	● ↓	44.27	%	2018
Domestic vulnerable fisheries catch	157.80	tonnes/capita	1.9	● ➔	0.77	Tg	2018
Spillover vulnerable fisheries catch	11.87	tonnes/capita	31.3	● ↑	0.06	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	0.58	scale 0 to 1.4	50.3	● ➔	0.58	scale 0 to 1.4	2015
Domestic nitrogen surplus	8.06	kg/capita	78.2	● ➔	37.14	Gg	2015
Spillover nitrogen surplus	8.19	kg/capita	20.1	● ↓	37.76	Tg	2015
Domestic phosphorus fertilizer	63.26	kg/capita	1.0	● ➔	310.00	kt	2018
Spillover phosphorus fertilizer	5.50	g/capita	16.5	● ➔	26.93	kt	2018
Water Cycle							
Domestic scarce water consumption	70.71	m ³ H ₂ O-eq./capita	14.4	● ↓	346.52	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	141.61	m ³ H ₂ O-eq./capita	13.3	● ↓	4,464.64	Mm ³ H ₂ O-eq.	2018
Domestic water stress	1.95	ML H ₂ O-eq./capita	27.8	● ↓	9.53	Bm ³ H ₂ O-eq.	2018
Spillover water stress	2.19	m ³ H ₂ O-eq./capita	38.0	● ↓	69.05	Mm ³ H ₂ O-eq.	2018

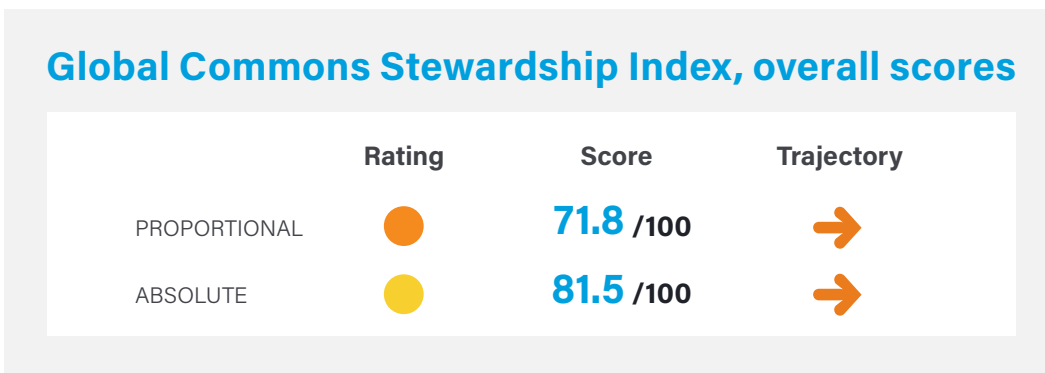
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Nicaragua

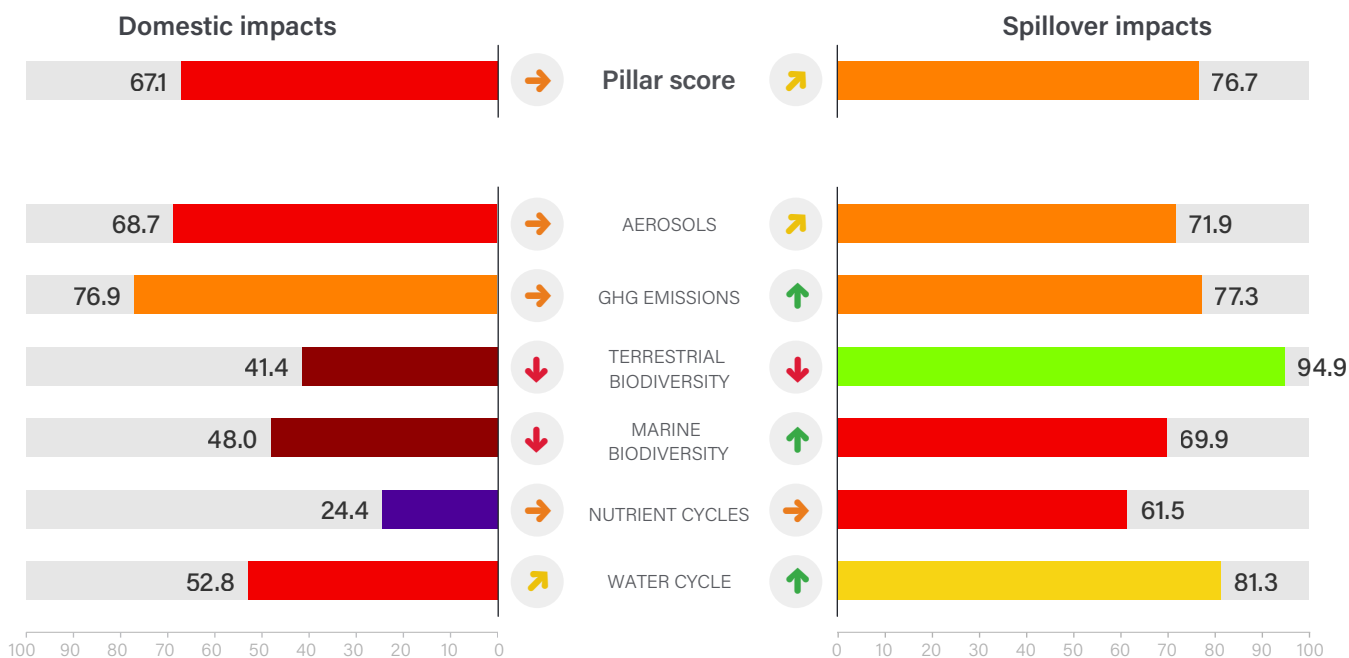
Latin America and Caribbean

Land area	120,340 sq. km	Population	6.6 million
GDP (PPP, constant 2017 US\$, billions)	\$35.0	GDP per capita	\$5,280
Human Development Index (HDI)	0.667	HDI category	Medium



Impacts by pillar and sub-pillar

Proportional scores and trajectories



The Global Commons Stewardship Index

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Dashboard categories

Negative impacts on the Global Commons

Green square	95–100	None or limited
Light green square	90–95	Low
Yellow square	80–90	Medium-low
Orange square	70–80	Medium-high
Red square	50–70	High
Dark red square	30–50	Very high
Purple square	0–30	Extreme

Trajectories

Based on 5-year growth rates

Green arrow pointing up	Projected to meet 2050 threshold
Yellow arrow pointing up-right	Projected to meet 2030 threshold only
Orange arrow pointing right	Insufficient progress toward threshold
Red arrow pointing down	Headed in wrong direction

Nicaragua

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	6.44	kg/capita	53.9	● ↗	41.67	Gg	2018
Spillover SO ₂ emissions	1.91	kg/capita	73.1	● ↑	11.87	Gg	2015
Domestic NO _x emissions	8.95	kg/capita	91.7	● ↗	57.84	Gg	2018
Spillover NO _x emissions	2.08	kg/capita	68.4	● ↗	12.96	Gg	2015
Domestic black carbon emissions	0.48	kg/capita	65.6	● →	3.09	Gg	2018
Spillover black carbon emissions	0.07	kg/capita	74.3	● ↗	0.44	Gg	2015
GHG Emissions							
Domestic GHG emissions	4.25	t CO ₂ e/capita	70.7	● →	27.83	Tg	2019
Spillover GHG emissions	0.92	t CO ₂ e/capita	77.3	● ↑	5.92	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	0.00	t CO ₂ e/capita	98.9	● ●	0.00	Tg	2020
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	69.68	%	31.7	● ↓	69.68	%	2020
Unprotected freshwater biodiversity sites	73.67	%	28.2	● ↓	73.67	%	2020
Domestic land use related biodiversity loss	4.21 × 10 ⁻¹¹	global PDF/capita	44.0	● →	2.72 × 10 ⁻⁴	global PDF	2018
Spillover land use related biodiversity loss	2.88 × 10 ⁻¹²	global PDF/capita	85.8	● →	1.86 × 10 ⁻⁵	global PDF	2018
Domestic freshwater biodiversity threats	0.40	spp./million	36.6	● ●	2.59	species	2018
Spillover freshwater biodiversity threats	0.00	spp./million	100.0	● ●	0.01	species	2018
Domestic deforestation	1.04	%	22.2	● ↓	7.90 × 10 ⁴	hectares	2020
Spillover deforestation	5.06 × 10 ⁻⁴	ha/capita	94.7	● ↓	3.27 × 10 ³	hectares	2018
Red List Index of species survival	0.82	scale 0 to 1	48.0	● ↓	0.82	scale 0 to 1	2021
Biodiversity Habitat Index	0.45	scale 0 to 1	24.3	● ●	0.45	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	1.60 × 10 ⁻⁵	WOE/million	99.8	● ●	1.05 × 10 ²	WOE	2019
Spillover endangered terrestrial animals	0.00	WOE/capita	100.0	● ●	0.00	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE	2019
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE	2019
Unprotected marine biodiversity sites	49.95	%	50.6	● ↓	49.95	%	2020
Domestic marine biodiversity threats	1.63	spp./million	23.2	● ●	10.53	species	2018
Spillover marine biodiversity threats	0.02	spp./million	48.9	● ●	0.16	species	2018
Fish caught from overexploited or collapsed stocks	28.42	%	54.6	● ↓	28.42	%	2018
Fish caught by trawling	0.00	%	100.0	● ●	0.00	%	2018
Domestic vulnerable fisheries catch	14.83	tonnes/capita	33.0	● ↓	0.10	Tg	2018
Spillover vulnerable fisheries catch	1.18	tonnes/capita	69.8	● ↑	0.01	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	0.99	scale 0 to 1.4	15.0	● ↓	0.99	scale 0 to 1.4	2015
Domestic nitrogen surplus	14.77	kg/capita	58.8	● →	91.90	Gg	2015
Spillover nitrogen surplus	0.85	kg/capita	63.1	● ↗	5.29	Tg	2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt	NA
Spillover phosphorus fertilizer	1.34	g/capita	60.1	● ↓	8.69	kt	2018
Water Cycle							
Domestic scarce water consumption	3.87	m ³ H ₂ O-eq./capita	47.0	● ↗	25.00	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	18.53	m ³ H ₂ O-eq./capita	66.2	● ↑	45.37	Mm ³ H ₂ O-eq.	2018
Domestic water stress	0.03	ML H ₂ O-eq./capita	83.4	● ↗	0.17	Bm ³ H ₂ O-eq.	2018
Spillover water stress	1.34	m ³ H ₂ O-eq./capita	50.6	● ↑	3.28	Mm ³ H ₂ O-eq.	2018

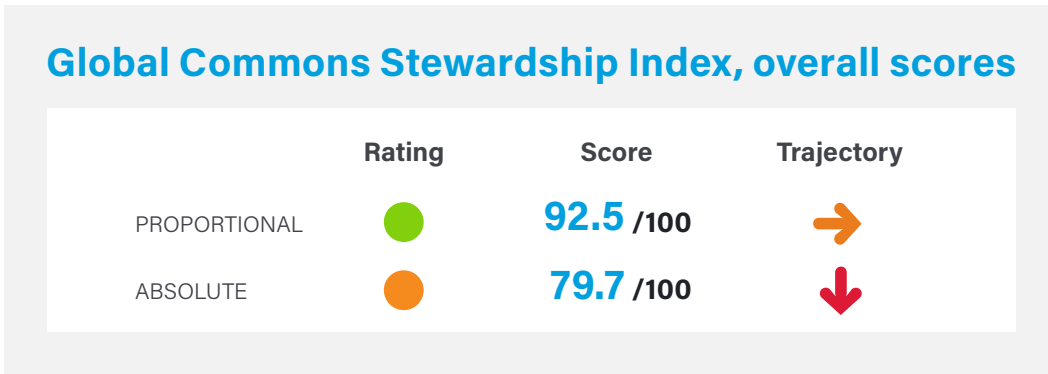
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Niger

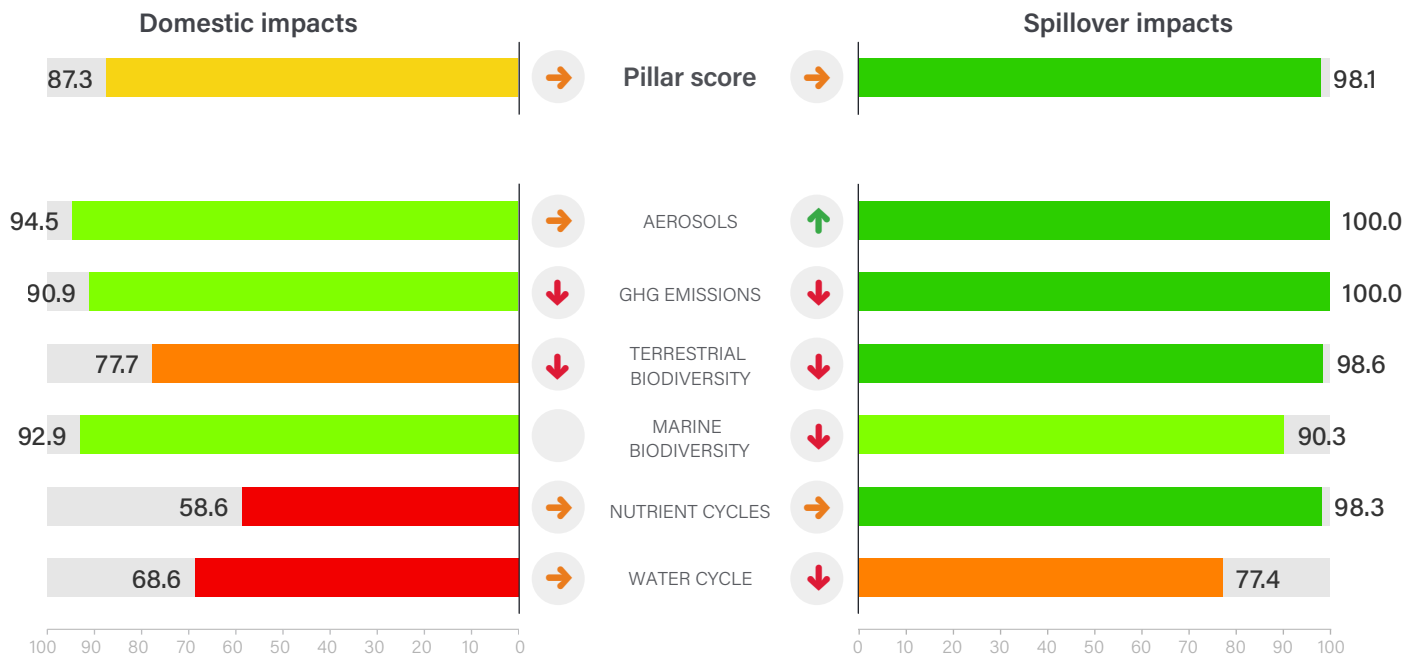
Africa

Land area	1,266,700 sq. km	Population	24.2 million
GDP (PPP, constant 2017 US\$, billions)	\$29.0	GDP per capita	\$1,197
Human Development Index (HDI)	0.400	HDI category	Low



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

■	95–100	None or limited
■	90–95	Low
■	80–90	Medium-low
■	70–80	Medium-high
■	50–70	High
■	30–50	Very high
■	0–30	Extreme

Trajectories

Based on 5-year growth rates

⬆	Projected to meet 2050 threshold
➔	Projected to meet 2030 threshold only
➔	Insufficient progress toward threshold
⬇	Headed in wrong direction

Niger

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	0.57	kg/capita	100.0	● ↓	12.76	Gg 2018
Spillover SO ₂ emissions	0.29	kg/capita	100.0	● ↑	5.78	Gg 2015
Domestic NO _x emissions	1.99	kg/capita	100.0	● ↓	44.65	Gg 2018
Spillover NO _x emissions	0.35	kg/capita	100.0	● ↑	7.03	Gg 2015
Domestic black carbon emissions	0.27	kg/capita	84.3	● ↗	6.08	Gg 2018
Spillover black carbon emissions	0.02	kg/capita	100.0	● ↑	0.41	Gg 2015
GHG Emissions						
Domestic GHG emissions	2.22	t CO ₂ e/capita	95.9	● ↓	51.86	Tg 2019
Spillover GHG emissions	0.20	t CO ₂ e/capita	100.0	● ↓	4.45	Tg 2018
CO ₂ emissions embodied in fossil fuel exports	0.00	t CO ₂ e/capita	77.5	● ●	0.00	Tg 2020
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	54.69	%	46.9	● ↓	54.69	% 2020
Unprotected freshwater biodiversity sites	58.21	%	44.2	● ↓	58.21	% 2020
Domestic land use related biodiversity loss	5.20 × 10 ⁻¹³	global PDF/capita	99.3	● ↗	1.17 × 10 ⁻⁵	global PDF 2018
Spillover land use related biodiversity loss	3.61 × 10 ⁻¹³	global PDF/capita	100.0	● ↓	8.10 × 10 ⁻⁶	global PDF 2018
Domestic freshwater biodiversity threats	0.10	spp./million	55.0	● ●	2.33	species 2018
Spillover freshwater biodiversity threats	0.00	spp./million	94.5	● ●	0.07	species 2018
Domestic deforestation	0.00	%	100.0	● ●	0.00	hectares 2020
Spillover deforestation	9.51 × 10 ⁻⁵	ha/capita	100.0	● ↓	2.13 × 10 ³	hectares 2018
Red List Index of species survival	0.93	scale 0 to 1	82.8	● ↓	0.93	scale 0 to 1 2021
Biodiversity Habitat Index	0.56	scale 0 to 1	39.9	● ●	0.56	scale 0 to 1 2020
Domestic export of endangered terrestrial animals	9.67 × 10 ⁻⁵	WOE/million	99.0	● ●	2.25 × 10 ³	WOE 2019
Spillover endangered terrestrial animals	0.00	WOE/capita	100.0	● ●	0.00	WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	NA	WOE/million	NA	● ●	NA	WOE NA
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE 2019
Unprotected marine biodiversity sites	NA	%	NA	● ●	NA	% NA
Domestic marine biodiversity threats	0.01	spp./million	92.9	● ●	0.23	species 2018
Spillover marine biodiversity threats	0.00	spp./million	86.2	● ●	0.03	species 2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	● ●	NA	% NA
Fish caught by trawling	NA	%	NA	● ●	NA	% NA
Domestic vulnerable fisheries catch	NA	tonnes/capita	NA	● ●	NA	Tg NA
Spillover vulnerable fisheries catch	0.47	tonnes/capita	85.3	● ↓	0.01	tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.92	scale 0 to 1.4	21.1	● →	0.92	scale 0 to 1.4 2015
Domestic nitrogen surplus	3.18	kg/capita	92.2	● ↗	63.57	Gg 2015
Spillover nitrogen surplus	0.14	kg/capita	96.7	● ↑	2.89	Tg 2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt NA
Spillover phosphorus fertilizer	0.35	g/capita	100.0	● ↓	7.77	kt 2018
Water Cycle						
Domestic scarce water consumption	0.43	m ³ H ₂ O-eq./capita	71.8	● ↓	9.59	Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	10.20	m ³ H ₂ O-eq./capita	81.8	● ↓	229.00	Mm ³ H ₂ O-eq. 2018
Domestic water stress	0.20	ML H ₂ O-eq./capita	57.3	● ↗	4.45	Bm ³ H ₂ O-eq. 2018
Spillover water stress	0.56	m ³ H ₂ O-eq./capita	73.3	● ↓	12.53	Mm ³ H ₂ O-eq. 2018

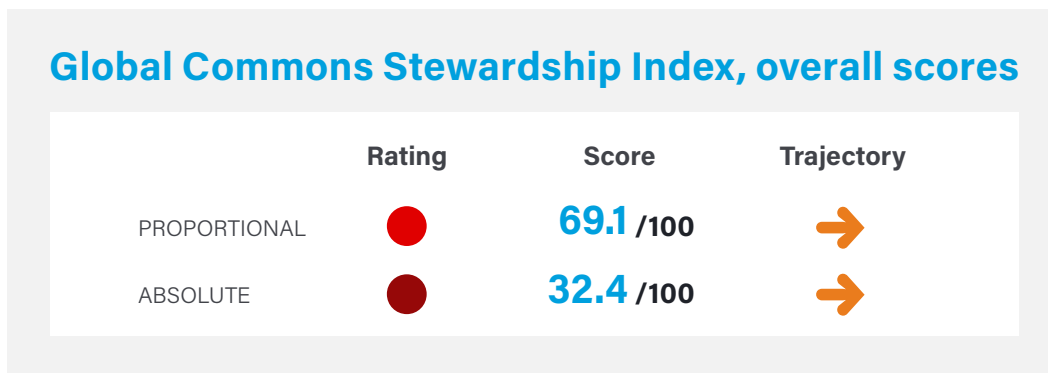
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Nigeria

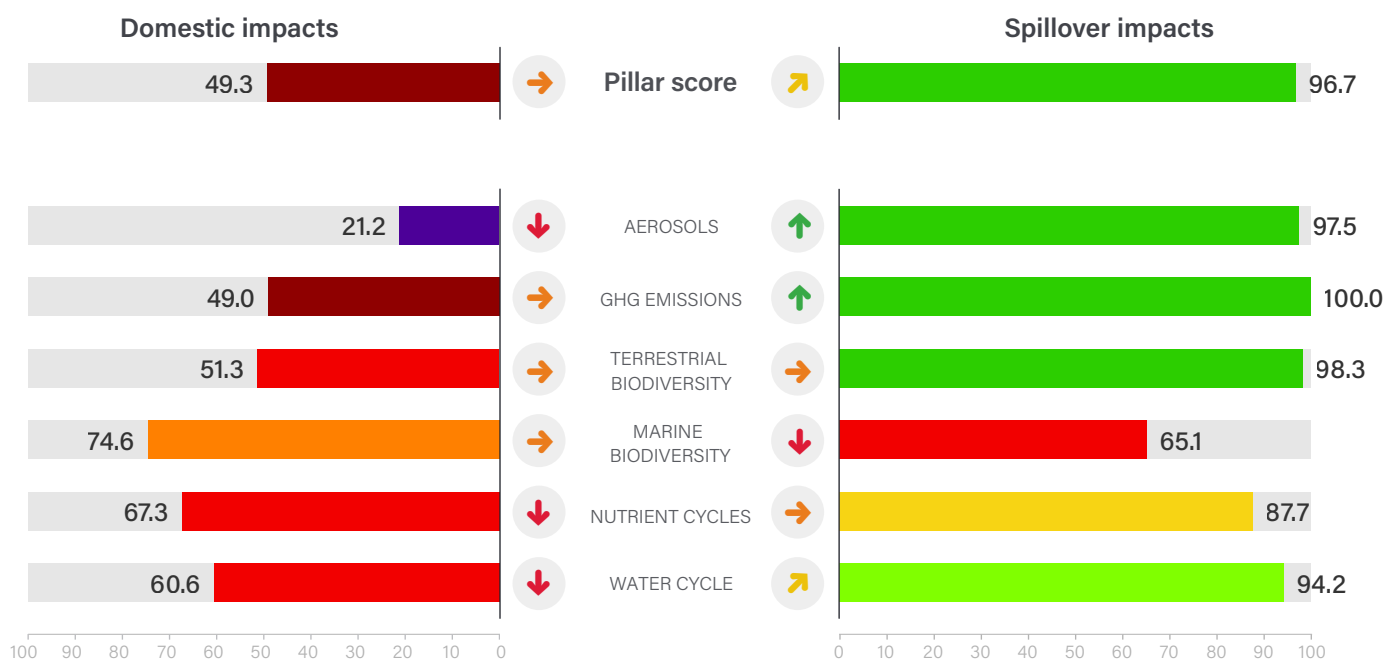
Africa

Land area	910,770 sq. km	Population	206.1 million
GDP (PPP, constant 2017 US\$, billions)	\$1,013.5	GDP per capita	\$4,917
Human Development Index (HDI)	0.535	HDI category	Low



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

■	95–100	None or limited
■	90–95	Low
■	80–90	Medium-low
■	70–80	Medium-high
■	50–70	High
■	30–50	Very high
■	0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
➔	Insufficient progress toward threshold
↓	Headed in wrong direction

Nigeria

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	1.04	kg/capita	96.0	● ↓	203.24	Gg
Spillover SO ₂ emissions	0.73	kg/capita	99.8	● ↑	131.43	Gg
Domestic NO _x emissions	5.49	kg/capita	98.8	● ↓	1,074.63	Gg
Spillover NO _x emissions	0.75	kg/capita	95.5	● ↑	136.01	Gg
Domestic black carbon emissions	1.19	kg/capita	1.0	● →	233.76	Gg
Spillover black carbon emissions	0.03	kg/capita	97.3	● ↑	5.58	Gg
GHG Emissions						
Domestic GHG emissions	4.51	t CO ₂ e/capita	68.4	● →	906.46	Tg
Spillover GHG emissions	0.41	t CO ₂ e/capita	100.0	● ↑	79.81	Tg
CO ₂ emissions embodied in fossil fuel exports	1.06	t CO ₂ e/capita	17.9	● ●	218.67	Tg
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	80.41	%	20.9	● ↓	80.41	%
Unprotected freshwater biodiversity sites	73.75	%	28.1	● ↓	73.75	%
Domestic land use related biodiversity loss	3.72 × 10 ⁻¹³	global PDF/capita	99.5	● ↗	7.29 × 10 ⁻⁵	global PDF
Spillover land use related biodiversity loss	5.47 × 10 ⁻¹³	global PDF/capita	99.8	● ↑	1.07 × 10 ⁻⁴	global PDF
Domestic freshwater biodiversity threats	0.31	spp./million	40.1	● ●	60.83	species
Spillover freshwater biodiversity threats	0.00	spp./million	93.6	● ●	0.65	species
Domestic deforestation	0.93	%	30.6	● ↓	1.01 × 10 ⁵	hectares
Spillover deforestation	1.47 × 10 ⁻⁴	ha/capita	100.0	● ↓	2.88 × 10 ⁴	hectares
Red List Index of species survival	0.85	scale 0 to 1	58.0	● ↓	0.85	scale 0 to 1
Biodiversity Habitat Index	0.33	scale 0 to 1	6.6	● ●	0.33	scale 0 to 1
Domestic export of endangered terrestrial animals	5.88 × 10 ⁻⁵	WOE/million	99.4	● ●	1.18 × 10 ⁴	WOE
Spillover endangered terrestrial animals	1.44 × 10 ⁻⁷	WOE/capita	100.0	● ●	2.90 × 10	WOE
Marine Biodiversity Loss						
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE
Spillover endangered marine animals	1.74 × 10 ⁻⁸	WOE/capita	100.0	● ●	3.50	WOE
Unprotected marine biodiversity sites	0.00	%	100.0	● ●	0.00	%
Domestic marine biodiversity threats	0.11	spp./million	60.5	● ●	21.53	species
Spillover marine biodiversity threats	0.01	spp./million	62.1	● ●	1.67	species
Fish caught from overexploited or collapsed stocks	10.24	%	83.7	● ↗	10.24	%
Fish caught by trawling	8.18	%	86.8	● ↓	8.18	%
Domestic vulnerable fisheries catch	4.48	tonnes/capita	48.7	● →	0.88	Tg
Spillover vulnerable fisheries catch	5.43	tonnes/capita	44.4	● ↓	1.06	tonnes
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.84	scale 0 to 1.4	28.0	● ↓	0.84	scale 0 to 1.4
Domestic nitrogen surplus	2.14	kg/capita	95.2	● ↓	387.49	Gg
Spillover nitrogen surplus	0.23	kg/capita	87.6	● ↓	42.28	Tg
Domestic phosphorus fertilizer	0.69	kg/capita	100.0	● ↓	136.10	kt
Spillover phosphorus fertilizer	0.55	g/capita	87.8	● ↗	107.62	kt
Water Cycle						
Domestic scarce water consumption	1.08	m ³ H ₂ O-eq./capita	61.4	● ↓	210.84	Mm ³ H ₂ O-eq.
Spillover scarce water consumption	7.79	m ³ H ₂ O-eq./capita	88.8	● ↓	1,526.17	Mm ³ H ₂ O-eq.
Domestic water stress	0.20	ML H ₂ O-eq./capita	57.2	● ↓	38.96	Bm ³ H ₂ O-eq.
Spillover water stress	0.20	m ³ H ₂ O-eq./capita	100.0	● ↑	38.93	Mm ³ H ₂ O-eq.

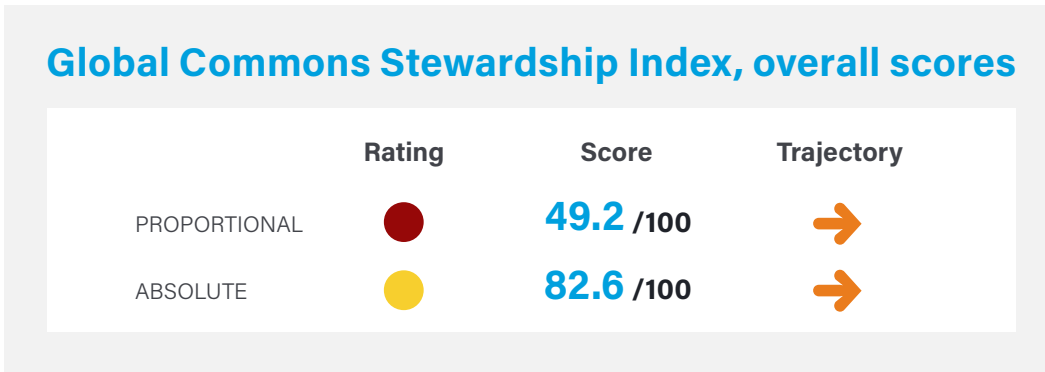
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

North Macedonia

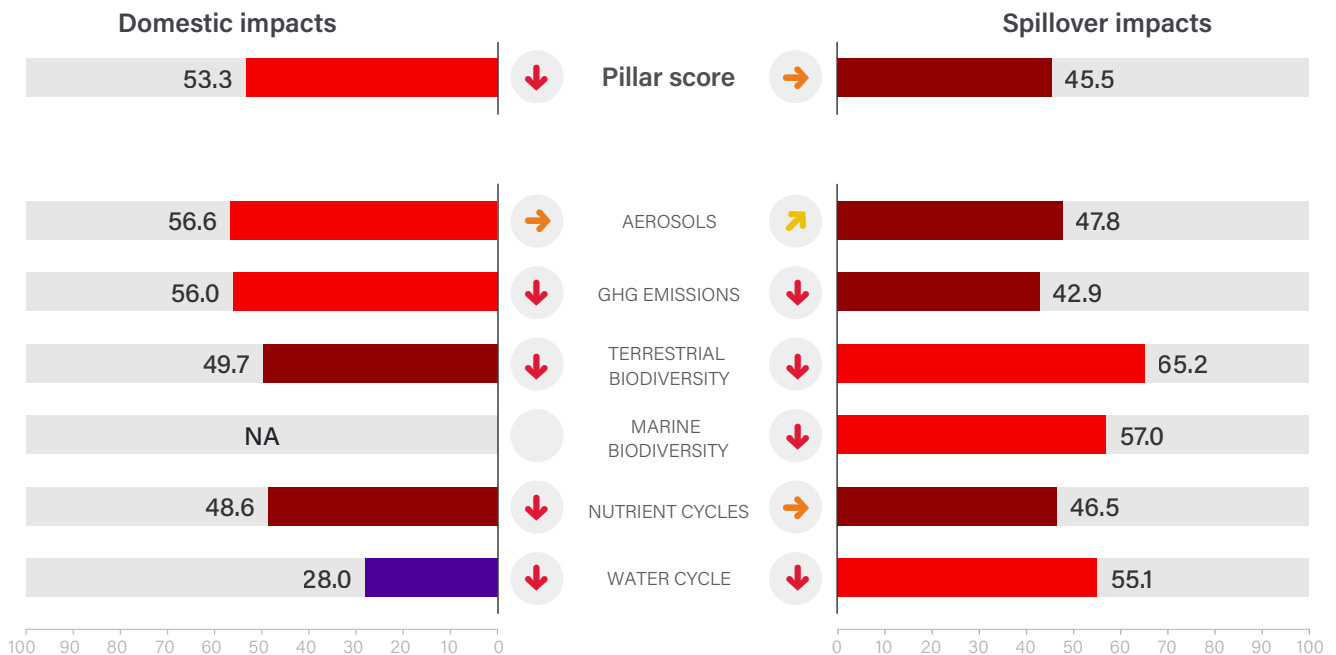
Eastern Europe and Central Asia

Land area	25,220 sq. km	Population	2.1 million
GDP (PPP, constant 2017 US\$, billions)	\$33.0	GDP per capita	\$15,848
Human Development Index (HDI)	0.770	HDI category	High



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

	95–100	None or limited
	90–95	Low
	80–90	Medium-low
	70–80	Medium-high
	50–70	High
	30–50	Very high
	0–30	Extreme












Trajectories

Based on 5-year growth rates

	Projected to meet 2050 threshold
	Projected to meet 2030 threshold only
	Insufficient progress toward threshold
	Headed in wrong direction

North Macedonia

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	26.56	kg/capita	21.4	 	55.32	Gg	2018
Spillover SO ₂ emissions	7.61	kg/capita	34.9	 	15.82	Gg	2015
Domestic NO _x emissions	10.15	kg/capita	89.2	 	21.15	Gg	2018
Spillover NO _x emissions	4.06	kg/capita	50.7	 	8.45	Gg	2015
Domestic black carbon emissions	0.15	kg/capita	94.9	 	0.32	Gg	2018
Spillover black carbon emissions	0.11	kg/capita	61.8	 	0.23	Gg	2015
GHG Emissions							
Domestic GHG emissions	5.87	t CO ₂ e/capita	58.3	 	12.22	Tg	2019
Spillover GHG emissions	3.11	t CO ₂ e/capita	42.9	 	6.48	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	0.00	t CO ₂ e/capita	49.8	 	0.00	Tg	2020
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	24.40	%	77.6	 	24.40	%	2020
Unprotected freshwater biodiversity sites	93.64	%	7.6	 	93.64	%	2020
Domestic land use related biodiversity loss	7.24 × 10 ⁻¹²	global PDF/capita	90.4	 	1.51 × 10 ⁻⁵	global PDF	2018
Spillover land use related biodiversity loss	3.13 × 10 ⁻¹²	global PDF/capita	84.3	 	6.52 × 10 ⁻⁶	global PDF	2018
Domestic freshwater biodiversity threats	20.05	spp./million	1.0	 	41.77	species	2018
Spillover freshwater biodiversity threats	0.15	spp./million	29.9	 	0.32	species	2018
Domestic deforestation	0.26	%	80.5	 	1.60 × 10 ³	hectares	2020
Spillover deforestation	2.05 × 10 ⁻³	ha/capita	72.0	 	4.27 × 10 ³	hectares	2018
Red List Index of species survival	0.97	scale 0 to 1	94.1	 	0.97	scale 0 to 1	2021
Biodiversity Habitat Index	0.38	scale 0 to 1	14.2	 	0.38	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	1.97 × 10 ⁻⁵	WOE/million	99.8	 	4.10 × 10	WOE	2019
Spillover endangered terrestrial animals	1.25 × 10 ⁻⁵	WOE/capita	99.9	 	2.60 × 10	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	NA	WOE/million	NA	 	NA	WOE	NA
Spillover endangered marine animals	0.00	WOE/capita	100.0	 	0.00	WOE	2019
Unprotected marine biodiversity sites	NA	%	NA	 	NA	%	NA
Domestic marine biodiversity threats	NA	spp./million	NA	 	NA	species	NA
Spillover marine biodiversity threats	0.04	spp./million	42.3	 	0.08	species	2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	 	NA	%	NA
Fish caught by trawling	NA	%	NA	 	NA	%	NA
Domestic vulnerable fisheries catch	NA	tonnes/capita	NA	 	NA	Tg	NA
Spillover vulnerable fisheries catch	5.66	tonnes/capita	43.7	 	0.01	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	0.75	scale 0 to 1.4	36.0	 	0.75	scale 0 to 1.4	2015
Domestic nitrogen surplus	10.21	kg/capita	72.0	 	21.23	Gg	2015
Spillover nitrogen surplus	3.26	kg/capita	37.6	 	6.77	Tg	2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	 	NA	kt	NA
Spillover phosphorus fertilizer	1.46	g/capita	57.6	 	3.03	kt	2018
Water Cycle							
Domestic scarce water consumption	3.66	m ³ H ₂ O-eq./capita	47.7	 	7.63	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	10.66	m ³ H ₂ O-eq./capita	80.6	 	68.92	Mm ³ H ₂ O-eq.	2018
Domestic water stress	12.93	ML H ₂ O-eq./capita	3.3	 	26.94	Bm ³ H ₂ O-eq.	2018
Spillover water stress	0.40	m ³ H ₂ O-eq./capita	81.9	 	2.59	Mm ³ H ₂ O-eq.	2018

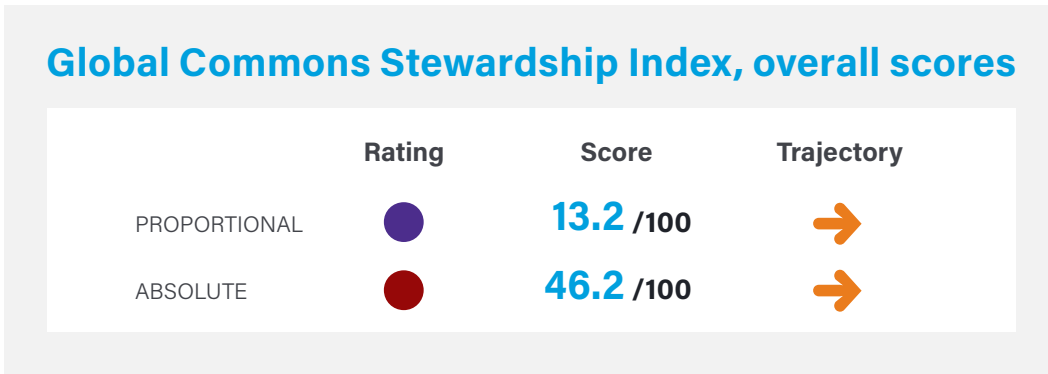
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Norway

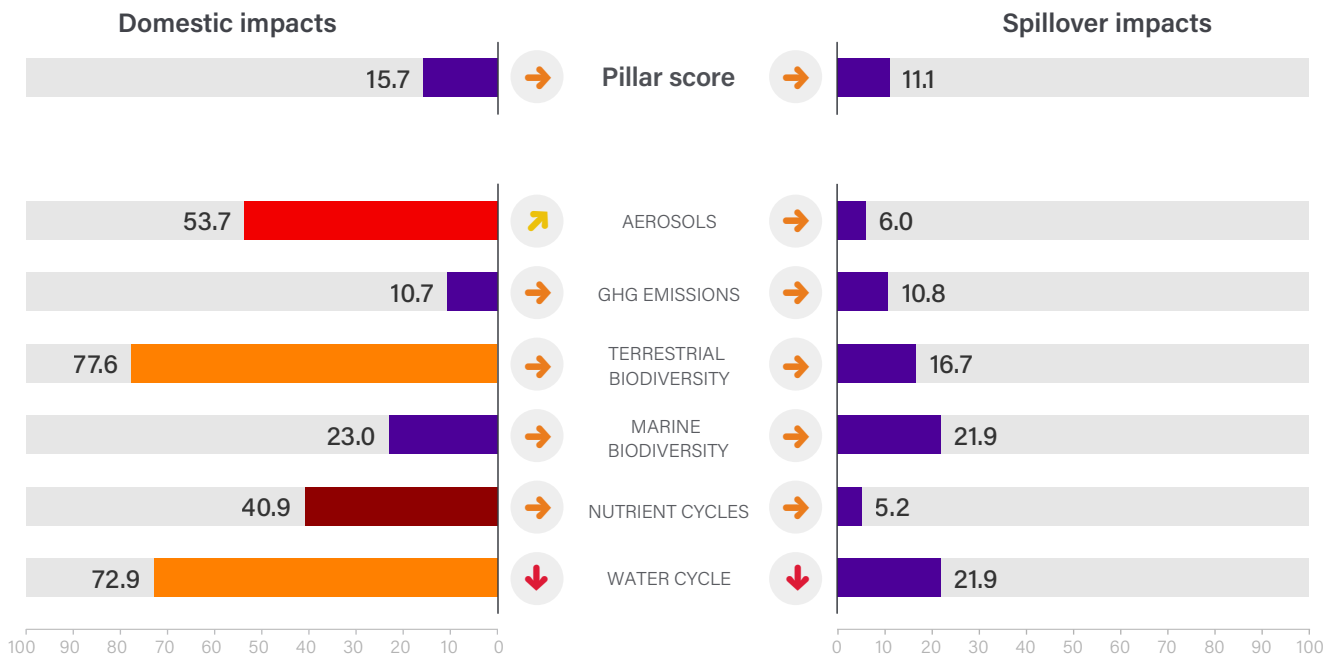
OECD Member

Land area	365,108 sq. km	Population	5.4 million
GDP (PPP, constant 2017 US\$, billions)	\$342.0	GDP per capita	\$63,584
Human Development Index (HDI)	0.961	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories



The Global Commons Stewardship Index

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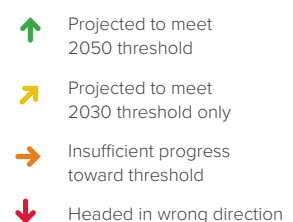
Dashboard categories

Negative impacts on the Global Commons



Trajectories

Based on 5-year growth rates



Norway

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	13.73	kg/capita	36.5	● →	72.93	Gg	2018
Spillover SO ₂ emissions	17.75	kg/capita	11.6	● →	92.11	Gg	2015
Domestic NO _x emissions	23.87	kg/capita	61.2	● ↑	126.78	Gg	2018
Spillover NO _x emissions	24.90	kg/capita	2.5	● →	129.19	Gg	2015
Domestic black carbon emissions	0.44	kg/capita	69.1	● ↑	2.33	Gg	2018
Spillover black carbon emissions	0.79	kg/capita	7.4	● →	4.10	Gg	2015
GHG Emissions							
Domestic GHG emissions	14.33	t CO ₂ e/capita	23.6	● →	76.64	Tg	2019
Spillover GHG emissions	9.76	t CO ₂ e/capita	10.8	● →	51.86	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	83.15	t CO ₂ e/capita	1.0	● ●	447.32	Tg	2020
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	56.50	%	45.1	● ↓	56.50	%	2020
Unprotected freshwater biodiversity sites	64.28	%	37.9	● ↓	64.28	%	2020
Domestic land use related biodiversity loss	3.10 × 10 ⁻¹³	global PDF/capita	99.6	● ↗	1.65 × 10 ⁻⁶	global PDF	2018
Spillover land use related biodiversity loss	8.27 × 10 ⁻¹²	global PDF/capita	53.5	● →	4.40 × 10 ⁻⁵	global PDF	2018
Domestic freshwater biodiversity threats	0.16	spp./million	49.5	● ●	0.83	species	2018
Spillover freshwater biodiversity threats	0.38	spp./million	14.6	● ●	2.01	species	2018
Domestic deforestation	0.47	%	65.0	● ↓	6.08 × 10 ⁴	hectares	2020
Spillover deforestation	8.41 × 10 ⁻³	ha/capita	1.0	● ↓	4.47 × 10 ⁴	hectares	2018
Red List Index of species survival	0.95	scale 0 to 1	87.3	● ↓	0.95	scale 0 to 1	2021
Biodiversity Habitat Index	0.70	scale 0 to 1	59.6	● ●	0.70	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	3.74 × 10 ⁻⁷	WOE/million	100.0	● ●	2.00	WOE	2019
Spillover endangered terrestrial animals	5.03 × 10 ⁻⁵	WOE/capita	99.4	● ●	2.69 × 10 ²	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE	2019
Spillover endangered marine animals	3.88 × 10 ⁻⁴	WOE/capita	75.2	● ●	2.07 × 10 ³	WOE	2019
Unprotected marine biodiversity sites	55.13	%	45.4	● ↓	55.13	%	2020
Domestic marine biodiversity threats	0.97	spp./million	30.3	● ●	5.20	species	2018
Spillover marine biodiversity threats	0.42	spp./million	12.2	● ●	2.24	species	2018
Fish caught from overexploited or collapsed stocks	18.30	%	70.8	● →	18.30	%	2018
Fish caught by trawling	33.64	%	45.0	● →	33.64	%	2018
Domestic vulnerable fisheries catch	559.71	tonnes/capita	1.0	● →	2.97	Tg	2018
Spillover vulnerable fisheries catch	39.21	tonnes/capita	11.4	● →	0.21	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	0.84	scale 0 to 1.4	27.6	● ↓	0.84	scale 0 to 1.4	2015
Domestic nitrogen surplus	21.46	kg/capita	39.6	● ↓	111.33	Gg	2015
Spillover nitrogen surplus	20.16	kg/capita	3.0	● ↓	104.58	Tg	2015
Domestic phosphorus fertilizer	3.84	kg/capita	56.5	● →	20.38	kt	2018
Spillover phosphorus fertilizer	6.98	g/capita	9.1	● →	37.08	kt	2018
Water Cycle							
Domestic scarce water consumption	0.42	m ³ H ₂ O-eq./capita	71.9	● ↓	2.25	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	201.24	m ³ H ₂ O-eq./capita	4.2	● ↓	3,467.66	Mm ³ H ₂ O-eq.	2018
Domestic water stress	0.04	ML H ₂ O-eq./capita	76.9	● ↓	0.23	Bm ³ H ₂ O-eq.	2018
Spillover water stress	5.13	m ³ H ₂ O-eq./capita	16.0	● ↓	88.34	Mm ³ H ₂ O-eq.	2018

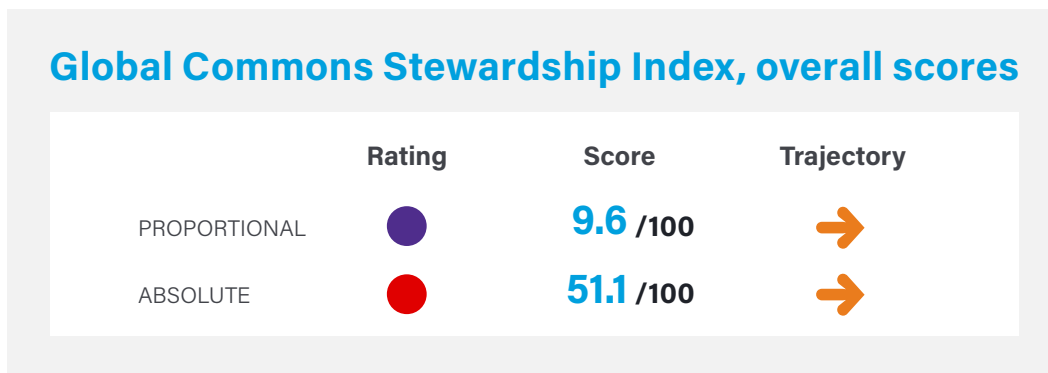
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Oman

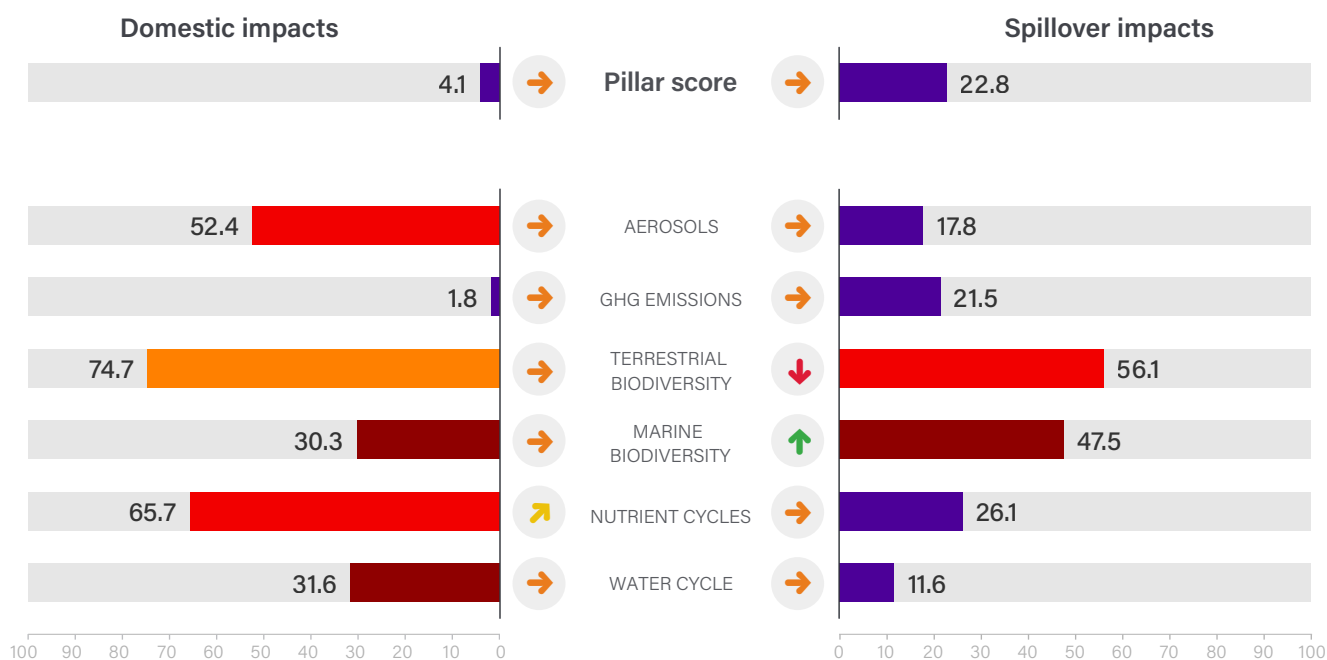
Middle East and North Africa

Land area	309,500 sq. km	Population	5.1 million
GDP (PPP, constant 2017 US\$, billions)	\$150.7	GDP per capita	\$29,502
Human Development Index (HDI)	0.816	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories



The Global Commons Stewardship Index

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Dashboard categories

Negative impacts on the Global Commons

	95–100	None or limited
	90–95	Low
	80–90	Medium-low
	70–80	Medium-high
	50–70	High
	30–50	Very high
	0–30	Extreme

Trajectories

Based on 5-year growth rates

	Projected to meet 2050 threshold
	Projected to meet 2030 threshold only
	Insufficient progress toward threshold
	Headed in wrong direction

Oman

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	11.73	kg/capita	40.2	● ↓	56.64	Gg 2018
Spillover SO ₂ emissions	14.01	kg/capita	18.1	● →	59.78	Gg 2015
Domestic NO _x emissions	33.16	kg/capita	42.1	● →	160.16	Gg 2018
Spillover NO _x emissions	15.04	kg/capita	15.9	● ↓	64.20	Gg 2015
Domestic black carbon emissions	0.27	kg/capita	84.8	● ↗	1.28	Gg 2018
Spillover black carbon emissions	0.51	kg/capita	19.6	● →	2.18	Gg 2015
GHG Emissions						
Domestic GHG emissions	25.27	t CO ₂ e/capita	1.6	● →	125.70	Tg 2019
Spillover GHG emissions	6.67	t CO ₂ e/capita	21.5	● →	32.23	Tg 2018
CO ₂ emissions embodied in fossil fuel exports	30.97	t CO ₂ e/capita	2.5	● ●	149.56	Tg 2018
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	11.81	%	90.4	● ↓	11.81	% 2020
Unprotected freshwater biodiversity sites	NA	%	NA	● ●	NA	% NA
Domestic land use related biodiversity loss	7.90 × 10 ⁻¹³	global PDF/capita	99.0	● ↗	3.82 × 10 ⁻⁶	global PDF 2018
Spillover land use related biodiversity loss	7.60 × 10 ⁻¹²	global PDF/capita	57.5	● ↓	3.67 × 10 ⁻⁵	global PDF 2018
Domestic freshwater biodiversity threats	0.39	spp./million	37.0	● ●	1.88	species 2018
Spillover freshwater biodiversity threats	0.24	spp./million	22.1	● ●	1.17	species 2018
Domestic deforestation	NA	%	NA	● ●	NA	hectares NA
Spillover deforestation	1.22 × 10 ⁻³	ha/capita	84.2	● ↓	5.90 × 10 ³	hectares 2018
Red List Index of species survival	0.88	scale 0 to 1	67.7	● ↓	0.88	scale 0 to 1 2021
Biodiversity Habitat Index	0.63	scale 0 to 1	49.4	● ●	0.63	scale 0 to 1 2020
Domestic export of endangered terrestrial animals	0.00	WOE/million	100.0	● ●	0.00	WOE 2019
Spillover endangered terrestrial animals	6.23 × 10 ⁻⁴	WOE/capita	92.7	● ●	3.10 × 10 ³	WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	1.44 × 10 ⁻³	WOE/million	50.8	● ●	7.18 × 10 ³	WOE 2019
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE 2019
Unprotected marine biodiversity sites	7.07	%	93.0	● ↓	7.07	% 2020
Domestic marine biodiversity threats	4.59	spp./million	8.8	● ●	22.15	species 2018
Spillover marine biodiversity threats	0.13	spp./million	27.0	● ●	0.64	species 2018
Fish caught from overexploited or collapsed stocks	3.33	%	94.7	● ↗	3.33	% 2018
Fish caught by trawling	0.00	%	100.0	● ↑	0.00	% 2018
Domestic vulnerable fisheries catch	146.47	tonnes/capita	2.9	● ↓	0.71	Tg 2018
Spillover vulnerable fisheries catch	7.19	tonnes/capita	39.7	● ↑	0.03	tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.74	scale 0 to 1.4	36.3	● →	0.74	scale 0 to 1.4 2015
Domestic nitrogen surplus	0.05	kg/capita	100.0	● ↑	0.22	Gg 2015
Spillover nitrogen surplus	6.86	kg/capita	23.4	● →	29.28	Tg 2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt NA
Spillover phosphorus fertilizer	3.65	g/capita	29.1	● →	17.64	kt 2018
Water Cycle						
Domestic scarce water consumption	14.74	m ³ H ₂ O-eq./capita	32.0	● →	71.21	Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	122.01	m ³ H ₂ O-eq./capita	17.2	● →	648.13	Mm ³ H ₂ O-eq. 2018
Domestic water stress	1.67	ML H ₂ O-eq./capita	29.8	● →	8.06	Bm ³ H ₂ O-eq. 2018
Spillover water stress	3.23	m ³ H ₂ O-eq./capita	27.9	● →	17.18	Mm ³ H ₂ O-eq. 2018

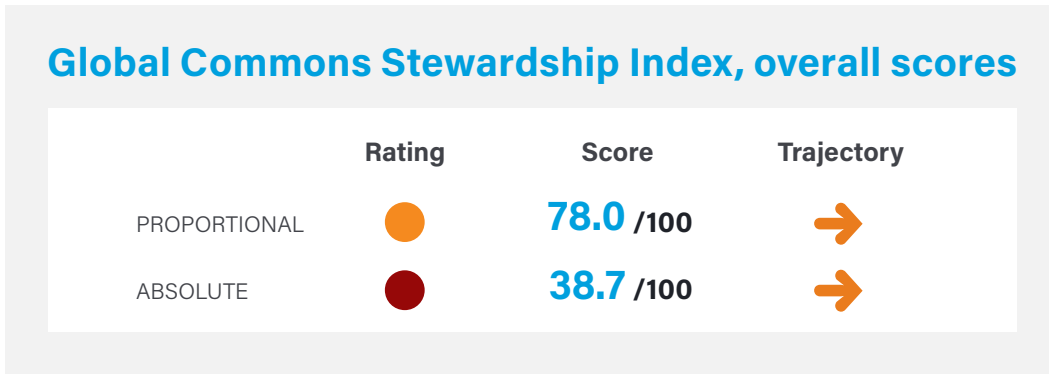
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Pakistan

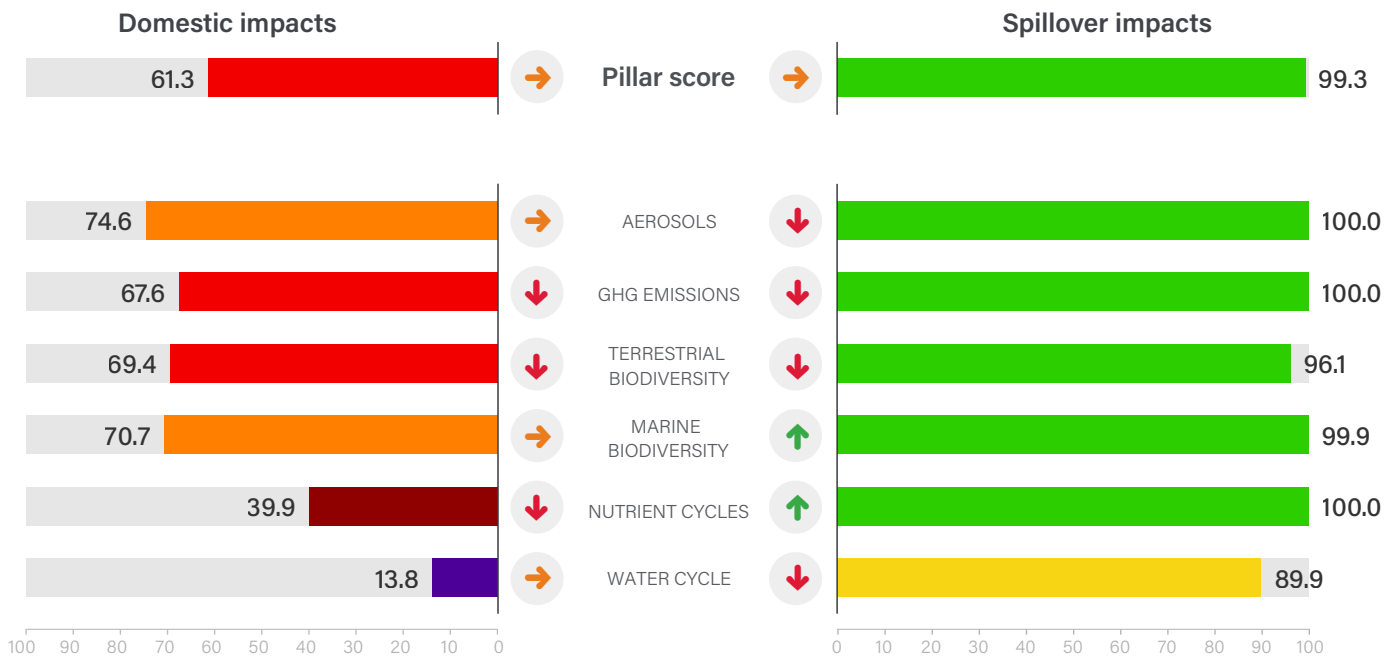
East and South Asia

Land area	770,880 sq. km	Population	220.9 million
GDP (PPP, constant 2017 US\$, billions)	\$1,021.1	GDP per capita	\$4,623
Human Development Index (HDI)	0.544	HDI category	Low



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

	95–100	None or limited
	90–95	Low
	80–90	Medium-low
	70–80	Medium-high
	50–70	High
	30–50	Very high
	0–30	Extreme

Trajectories

Based on 5-year growth rates

	Projected to meet 2050 threshold
	Projected to meet 2030 threshold only
	Insufficient progress toward threshold
	Headed in wrong direction

Pakistan

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	4.94	kg/capita	60.1	● ↗	1,048.16	Gg	2018
Spillover SO ₂ emissions	0.72	kg/capita	100.0	● ↓	143.50	Gg	2015
Domestic NO _x emissions	4.95	kg/capita	99.9	● ↓	1,051.34	Gg	2018
Spillover NO _x emissions	0.62	kg/capita	100.0	● ↓	123.19	Gg	2015
Domestic black carbon emissions	0.44	kg/capita	69.2	● →	93.06	Gg	2018
Spillover black carbon emissions	0.03	kg/capita	100.0	● ↓	5.56	Gg	2015
GHG Emissions							
Domestic GHG emissions	3.41	t CO ₂ e/capita	79.3	● ↓	738.62	Tg	2019
Spillover GHG emissions	0.33	t CO ₂ e/capita	100.0	● ↓	70.23	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	0.01	t CO ₂ e/capita	41.8	● ●	1.24	Tg	2021
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	34.79	%	67.1	● ↓	34.79	%	2020
Unprotected freshwater biodiversity sites	35.90	%	67.2	● ↓	35.90	%	2020
Domestic land use related biodiversity loss	5.02 × 10 ⁻¹³	global PDF/capita	99.4	● ↗	1.07 × 10 ⁻⁴	global PDF	2018
Spillover land use related biodiversity loss	5.12 × 10 ⁻¹³	global PDF/capita	100.0	● ↓	1.09 × 10 ⁻⁴	global PDF	2018
Domestic freshwater biodiversity threats	0.03	spp./million	72.7	● ●	5.76	species	2018
Spillover freshwater biodiversity threats	0.01	spp./million	85.5	● ●	1.16	species	2018
Domestic deforestation	0.00	%	99.8	● ↓	1.96 × 10	hectares	2020
Spillover deforestation	1.51 × 10 ⁻⁴	ha/capita	99.9	● ↓	3.20 × 10 ⁴	hectares	2018
Red List Index of species survival	0.85	scale 0 to 1	58.1	● ↓	0.85	scale 0 to 1	2021
Biodiversity Habitat Index	0.40	scale 0 to 1	16.2	● ●	0.40	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	1.85 × 10 ⁻⁷	WOE/million	100.0	● ●	4.00 × 10	WOE	2019
Spillover endangered terrestrial animals	7.37 × 10 ⁻⁶	WOE/capita	99.9	● ●	1.60 × 10 ³	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE	2019
Spillover endangered marine animals	3.94 × 10 ⁻⁶	WOE/capita	99.7	● ●	8.53 × 10 ²	WOE	2019
Unprotected marine biodiversity sites	14.58	%	85.6	● ↓	14.58	%	2020
Domestic marine biodiversity threats	0.04	spp./million	75.4	● ●	7.94	species	2018
Spillover marine biodiversity threats	0.00	spp./million	100.0	● ●	0.06	species	2018
Fish caught from overexploited or collapsed stocks	30.11	%	52.0	● →	30.11	%	2018
Fish caught by trawling	0.00	%	100.0	● ●	0.00	%	2018
Domestic vulnerable fisheries catch	4.67	tonnes/capita	48.2	● →	0.99	Tg	2018
Spillover vulnerable fisheries catch	0.19	tonnes/capita	100.0	● ↑	0.04	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	0.89	scale 0 to 1.4	23.9	● →	0.89	scale 0 to 1.4	2015
Domestic nitrogen surplus	15.32	kg/capita	57.3	● ↓	3,054.45	Gg	2015
Spillover nitrogen surplus	0.12	kg/capita	100.0	● ↑	24.20	Tg	2015
Domestic phosphorus fertilizer	5.93	kg/capita	44.8	● ↓	1,257.77	kt	2018
Spillover phosphorus fertilizer	0.37	g/capita	100.0	● ↑	78.61	kt	2018
Water Cycle							
Domestic scarce water consumption	68.07	m ³ H ₂ O-eq./capita	14.8	● →	14,445.56	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	63.86	m ³ H ₂ O-eq./capita	34.0	● ↓	1,794.30	Mm ³ H ₂ O-eq.	2018
Domestic water stress	7.50	ML H ₂ O-eq./capita	10.4	● →	1,590.94	Bm ³ H ₂ O-eq.	2018
Spillover water stress	1.51	m ³ H ₂ O-eq./capita	47.6	● ↓	42.33	Mm ³ H ₂ O-eq.	2018

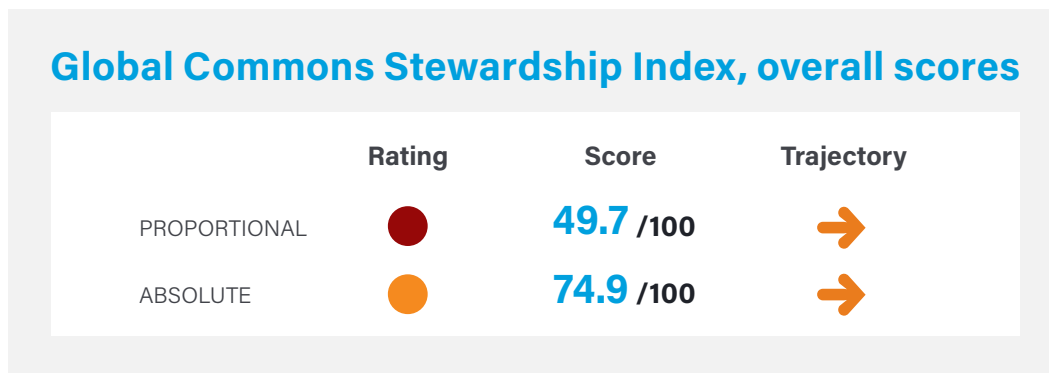
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Panama

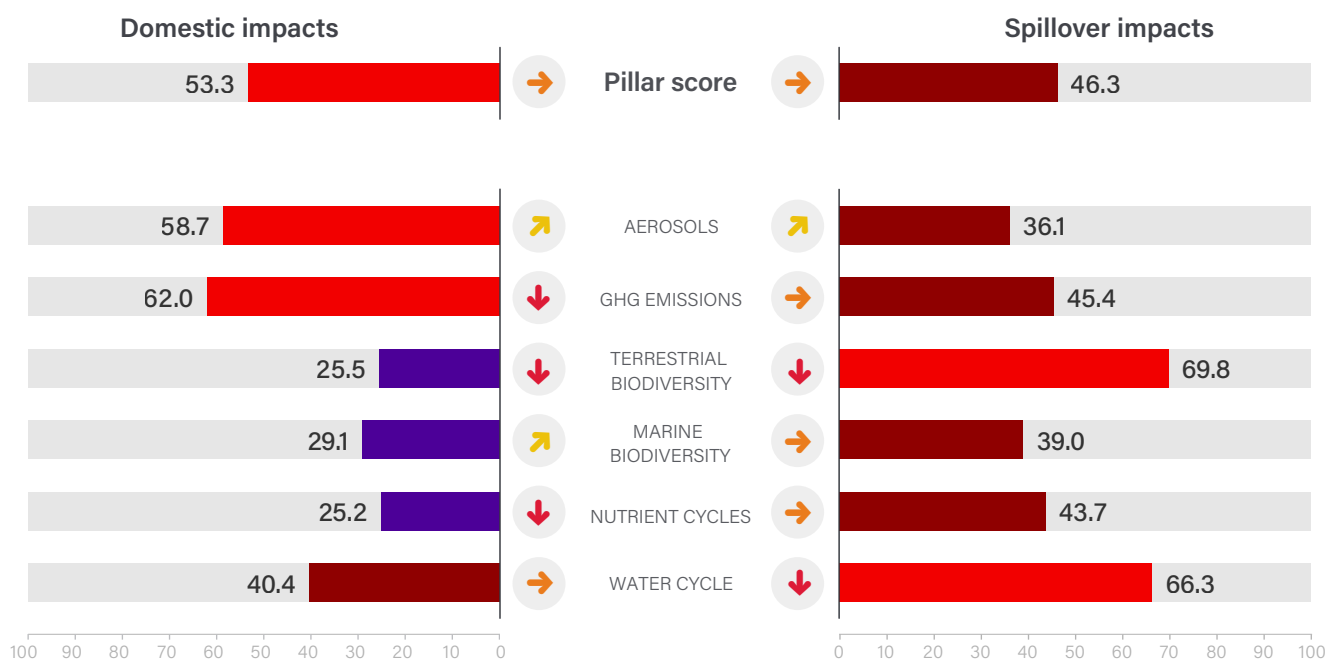
Latin America and Caribbean

Land area	74,177 sq. km	Population	4.3 million
GDP (PPP, constant 2017 US\$, billions)	\$109.5	GDP per capita	\$25,382
Human Development Index (HDI)	0.805	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

■	95–100	None or limited
■	90–95	Low
■	80–90	Medium-low
■	70–80	Medium-high
■	50–70	High
■	30–50	Very high
■	0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Panama

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	13.69	kg/capita	36.6	● →	5718	Gg 2018
Spillover SO ₂ emissions	6.56	kg/capita	39.0	● ↑	26.02	Gg 2015
Domestic NO _x emissions	1715	kg/capita	74.9	● ↑	71.64	Gg 2018
Spillover NO _x emissions	6.89	kg/capita	36.7	● →	27.32	Gg 2015
Domestic black carbon emissions	0.39	kg/capita	73.5	● ↗	1.63	Gg 2018
Spillover black carbon emissions	0.32	kg/capita	32.8	● →	1.25	Gg 2015
GHG Emissions						
Domestic GHG emissions	5.32	t CO ₂ e/capita	62.0	● ↓	22.59	Tg 2019
Spillover GHG emissions	2.85	t CO ₂ e/capita	45.4	● →	11.92	Tg 2018
CO ₂ emissions embodied in fossil fuel exports	NA	t CO ₂ e/capita	NA	● ●	NA	Tg NA
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	33.20	%	68.7	● ↓	33.20	% 2020
Unprotected freshwater biodiversity sites	55.25	%	47.2	● ↓	55.25	% 2020
Domestic land use related biodiversity loss	6.26 × 10 ⁻¹¹	global PDF/capita	16.7	● →	2.62 × 10 ⁻⁴	global PDF 2018
Spillover land use related biodiversity loss	5.81 × 10 ⁻¹²	global PDF/capita	68.3	● ↓	2.42 × 10 ⁻⁵	global PDF 2018
Domestic freshwater biodiversity threats	1.75	spp./million	16.4	● ●	7.32	species 2018
Spillover freshwater biodiversity threats	0.09	spp./million	38.8	● ●	0.38	species 2018
Domestic deforestation	0.52	%	61.0	● ↓	2.88 × 10 ⁴	hectares 2020
Spillover deforestation	8.70 × 10 ⁻⁴	ha/capita	89.4	● ↓	3.63 × 10 ³	hectares 2018
Red List Index of species survival	0.73	scale 0 to 1	20.0	● ↓	0.73	scale 0 to 1 2021
Biodiversity Habitat Index	0.43	scale 0 to 1	21.3	● ●	0.43	scale 0 to 1 2020
Domestic export of endangered terrestrial animals	9.42 × 10 ⁻⁷	WOE/million	100.0	● ●	4.00	WOE 2019
Spillover endangered terrestrial animals	4.00 × 10 ⁻⁶	WOE/capita	100.0	● ●	1.70 × 10	WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE 2019
Spillover endangered marine animals	1.64 × 10 ⁻⁴	WOE/capita	89.5	● ●	6.97 × 10 ²	WOE 2019
Unprotected marine biodiversity sites	23.46	%	76.8	● ↓	23.46	% 2020
Domestic marine biodiversity threats	9.64	spp./million	1.0	● ●	40.28	species 2018
Spillover marine biodiversity threats	0.38	spp./million	13.4	● ●	1.61	species 2018
Fish caught from overexploited or collapsed stocks	6.11	%	90.3	● ↑	6.11	% 2018
Fish caught by trawling	0.29	%	99.8	● ↑	0.29	% 2018
Domestic vulnerable fisheries catch	35.10	tonnes/capita	21.7	● ↓	0.15	Tg 2018
Spillover vulnerable fisheries catch	3.96	tonnes/capita	49.7	● →	0.02	tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	1.02	scale 0 to 1.4	11.9	● ↓	1.02	scale 0 to 1.4 2015
Domestic nitrogen surplus	6.84	kg/capita	81.7	● ↓	27.14	Gg 2015
Spillover nitrogen surplus	4.02	kg/capita	33.6	● →	15.93	Tg 2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt NA
Spillover phosphorus fertilizer	1.49	g/capita	56.9	● →	6.23	kt 2018
Water Cycle						
Domestic scarce water consumption	11.08	m ³ H ₂ O-eq./capita	35.2	● ↓	46.27	Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	42.40	m ³ H ₂ O-eq./capita	44.7	● ↓	207.81	Mm ³ H ₂ O-eq. 2018
Domestic water stress	0.08	ML H ₂ O-eq./capita	69.5	● ↗	0.32	Bm ³ H ₂ O-eq. 2018
Spillover water stress	2.91	m ³ H ₂ O-eq./capita	30.6	● ↓	14.27	Mm ³ H ₂ O-eq. 2018

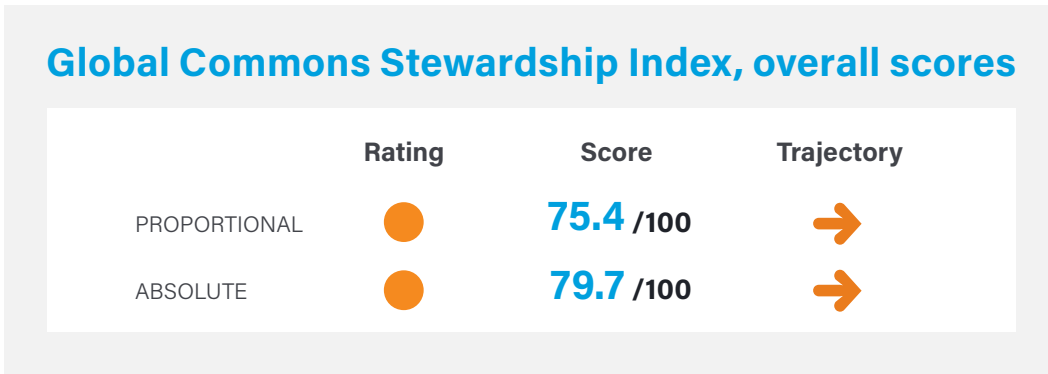
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Papua New Guinea

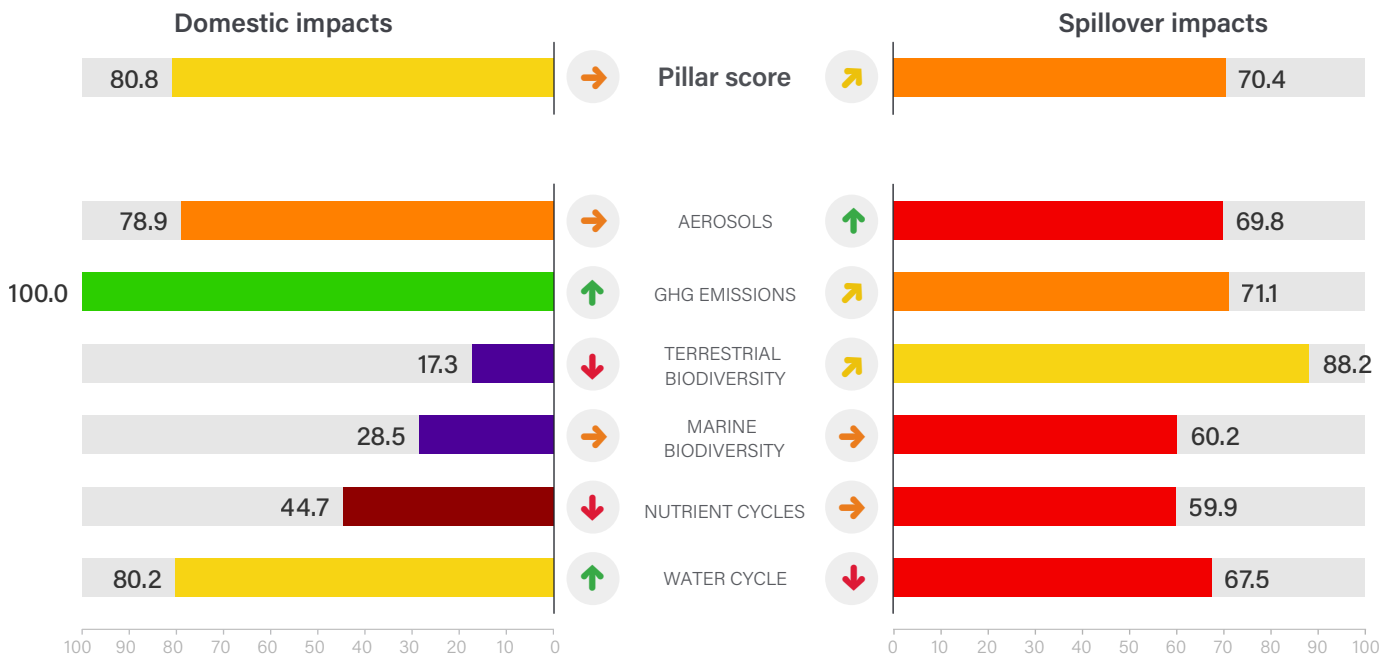
Oceania

Land area	452,860 sq. km	Population	8.9 million
GDP (PPP, constant 2017 US\$, billions)	\$36.7	GDP per capita	\$4,101
Human Development Index (HDI)	0.558	HDI category	Medium



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

95–100	None or limited
90–95	Low
80–90	Medium-low
70–80	Medium-high
50–70	High
30–50	Very high
0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Papua New Guinea

Performance by Indicator

Indicator	Proportional		Score	Absolute		Year
	Value	Units		Value	Units	
Aerosols						
Domestic SO ₂ emissions	4.34	kg/capita	63.1	● ↓	37.33	Gg 2018
Spillover SO ₂ emissions	1.71	kg/capita	76.1	● ↑	13.89	Gg 2015
Domestic NO _x emissions	5.63	kg/capita	98.5	● ↓	48.47	Gg 2018
Spillover NO _x emissions	2.26	kg/capita	66.2	● ↑	18.36	Gg 2015
Domestic black carbon emissions	0.33	kg/capita	79.0	● ↗	2.84	Gg 2018
Spillover black carbon emissions	0.09	kg/capita	67.5	● ↑	0.73	Gg 2015
GHG Emissions						
Domestic GHG emissions	1.95	t CO ₂ e/capita	100.0	● ↑	17.14	Tg 2019
Spillover GHG emissions	1.14	t CO ₂ e/capita	71.1	● ↗	9.84	Tg 2018
CO ₂ emissions embodied in fossil fuel exports	NA	t CO ₂ e/capita	NA	● ●	NA	Tg NA
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	7.31	%	95.0	● ↓	7.31	% 2020
Unprotected freshwater biodiversity sites	NA	%	NA	● ●	NA	% NA
Domestic land use related biodiversity loss	1.97 × 10 ⁻¹⁰	global PDF/capita	1.0	● →	1.70 × 10 ⁻³	global PDF 2018
Spillover land use related biodiversity loss	6.54 × 10 ⁻¹²	global PDF/capita	63.8	● →	5.63 × 10 ⁻⁵	global PDF 2018
Domestic freshwater biodiversity threats	1.02	spp./million	23.8	● ●	8.80	species 2018
Spillover freshwater biodiversity threats	0.00	spp./million	100.0	● ●	0.01	species 2018
Domestic deforestation	0.21	%	84.1	● →	9.07 × 10 ⁴	hectares 2020
Spillover deforestation	5.02 × 10 ⁻⁴	ha/capita	94.8	● ↑	4.32 × 10 ³	hectares 2018
Red List Index of species survival	0.83	scale 0 to 1	51.7	● ↓	0.83	scale 0 to 1 2021
Biodiversity Habitat Index	0.67	scale 0 to 1	55.2	● ●	0.67	scale 0 to 1 2020
Domestic export of endangered terrestrial animals	1.03 × 10 ⁻³	WOE/million	89.2	● ●	9.06 × 10 ³	WOE 2019
Spillover endangered terrestrial animals	1.14 × 10 ⁻⁶	WOE/capita	100.0	● ●	1.00 × 10	WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	2.40 × 10 ⁻⁴	WOE/million	91.8	● ●	2.11 × 10 ³	WOE 2019
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE 2019
Unprotected marine biodiversity sites	1.89	%	98.1	● ↓	1.89	% 2020
Domestic marine biodiversity threats	8.06	spp./million	1.0	● ●	69.35	species 2018
Spillover marine biodiversity threats	0.03	spp./million	46.3	● ●	0.25	species 2018
Fish caught from overexploited or collapsed stocks	5.04	%	92.0	● ↑	5.04	% 2018
Fish caught by trawling	0.00	%	100.0	● ●	0.00	% 2018
Domestic vulnerable fisheries catch	56.51	tonnes/capita	15.4	● →	0.49	Tg 2018
Spillover vulnerable fisheries catch	4.65	tonnes/capita	47.0	● →	0.04	tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.92	scale 0 to 1.4	21.3	● →	0.92	scale 0 to 1.4 2015
Domestic nitrogen surplus	2.58	kg/capita	93.9	● ↓	20.91	Gg 2015
Spillover nitrogen surplus	0.35	kg/capita	79.8	● ↓	2.85	Tg 2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt NA
Spillover phosphorus fertilizer	2.19	g/capita	45.0	● ↗	18.84	kt 2018
Water Cycle						
Domestic scarce water consumption	0.30	m ³ H ₂ O-eq./capita	75.8	● ↗	2.56	Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	109.33	m ³ H ₂ O-eq./capita	20.0	● ↓	527.99	Mm ³ H ₂ O-eq. 2018
Domestic water stress	0.00	ML H ₂ O-eq./capita	100.0	● ↑	0.01	Bm ³ H ₂ O-eq. 2018
Spillover water stress	7.33	m ³ H ₂ O-eq./capita	6.7	● ↓	35.39	Mm ³ H ₂ O-eq. 2018

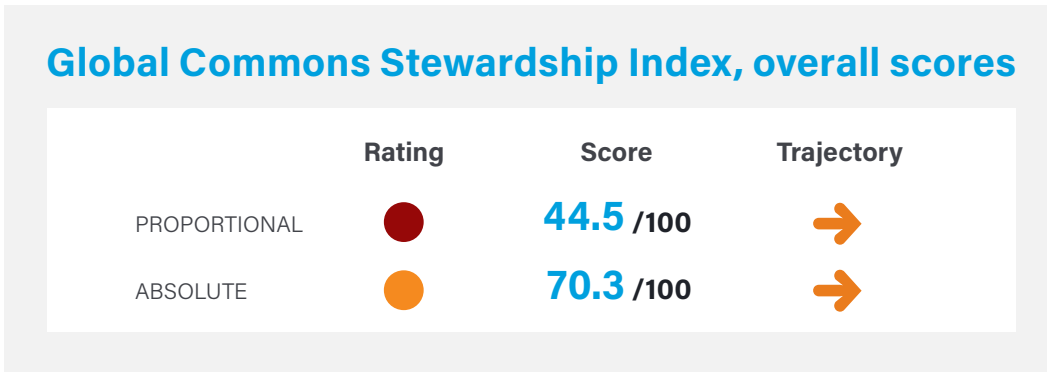
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Paraguay

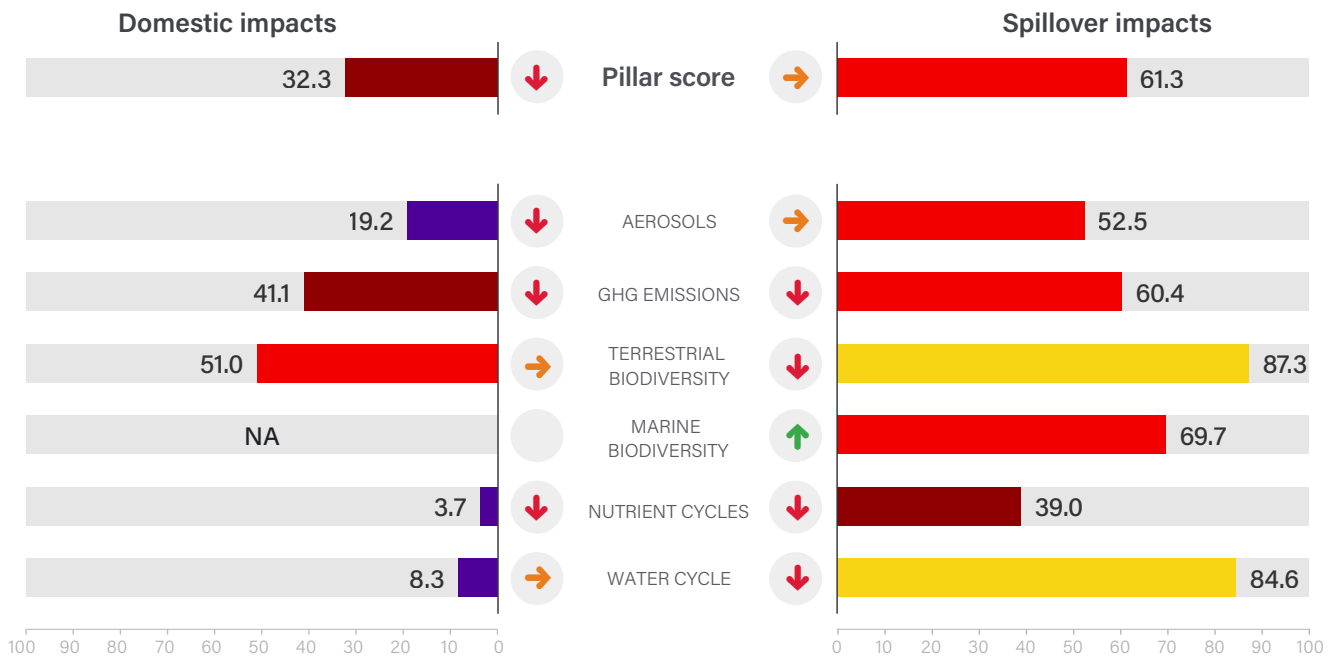
Latin America and Caribbean

Land area	397,300 sq. km	Population	7.1 million
GDP (PPP, constant 2017 US\$, billions)	\$88.0	GDP per capita	\$12,335
Human Development Index (HDI)	0.717	HDI category	High



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

■	95–100	None or limited
■	90–95	Low
■	80–90	Medium-low
■	70–80	Medium-high
■	50–70	High
■	30–50	Very high
■	0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Paraguay

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	1.23	kg/capita	92.0	●	↓	8.58 Gg 2018
Spillover SO ₂ emissions	3.26	kg/capita	58.3	●	→	21.79 Gg 2015
Domestic NO _x emissions	16.02	kg/capita	77.2	●	↓	111.43 Gg 2018
Spillover NO _x emissions	3.44	kg/capita	55.1	●	→	23.01 Gg 2015
Domestic black carbon emissions	1.30	kg/capita	1.0	●	↓	9.03 Gg 2018
Spillover black carbon emissions	0.20	kg/capita	45.1	●	→	1.35 Gg 2015
GHG Emissions						
Domestic GHG emissions	9.13	t CO ₂ e/capita	41.1	●	↓	64.33 Tg 2019
Spillover GHG emissions	1.67	t CO ₂ e/capita	60.4	●	↓	11.60 Tg 2018
CO ₂ emissions embodied in fossil fuel exports	NA	t CO ₂ e/capita	NA	●	●	NA Tg NA
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	36.25	%	65.6	●	↓	36.25 % 2020
Unprotected freshwater biodiversity sites	38.83	%	64.2	●	↓	38.83 % 2020
Domestic land use related biodiversity loss	3.67 × 10 ⁻¹¹	global PDF/capita	51.1	●	→	2.56 × 10 ⁻⁴ global PDF 2018
Spillover land use related biodiversity loss	3.40 × 10 ⁻¹²	global PDF/capita	82.7	●	↓	2.36 × 10 ⁻⁵ global PDF 2018
Domestic freshwater biodiversity threats	0.29	spp./million	40.8	●	●	2.05 species 2018
Spillover freshwater biodiversity threats	0.01	spp./million	78.8	●	●	0.06 species 2018
Domestic deforestation	1.28	%	4.1	●	→	2.61 × 10 ⁵ hectares 2020
Spillover deforestation	8.84 × 10 ⁻⁴	ha/capita	89.2	●	↓	6.15 × 10 ³ hectares 2018
Red List Index of species survival	0.95	scale 0 to 1	89.2	●	↓	0.95 scale 0 to 1 2021
Biodiversity Habitat Index	0.51	scale 0 to 1	32.9	●	●	0.51 scale 0 to 1 2020
Domestic export of endangered terrestrial animals	5.25 × 10 ⁻⁴	WOE/million	94.5	●	●	3.70 × 10 ³ WOE 2019
Spillover endangered terrestrial animals	4.26 × 10 ⁻⁷	WOE/capita	100.0	●	●	3.00 WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	NA	WOE/million	NA	●	●	NA WOE NA
Spillover endangered marine animals	9.23 × 10 ⁻⁷	WOE/capita	99.9	●	●	6.50 WOE 2019
Unprotected marine biodiversity sites	NA	%	NA	●	●	NA % NA
Domestic marine biodiversity threats	NA	spp./million	NA	●	●	NA species NA
Spillover marine biodiversity threats	0.04	spp./million	41.7	●	●	0.29 species 2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	●	●	NA % NA
Fish caught by trawling	NA	%	NA	●	●	NA % NA
Domestic vulnerable fisheries catch	NA	tonnes/capita	NA	●	●	NA Tg NA
Spillover vulnerable fisheries catch	0.59	tonnes/capita	81.4	●	↑	0.00 tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.29	scale 0 to 1.4	75.9	●	→	0.29 scale 0 to 1.4 2015
Domestic nitrogen surplus	43.16	kg/capita	1.0	●	↓	288.67 Gg 2015
Spillover nitrogen surplus	5.16	kg/capita	28.8	●	↓	34.53 Tg 2015
Domestic phosphorus fertilizer	31.85	kg/capita	1.0	●	↓	221.55 kt 2018
Spillover phosphorus fertilizer	1.70	g/capita	52.8	●	→	11.82 kt 2018
Water Cycle						
Domestic scarce water consumption	128.10	m ³ H ₂ O-eq./capita	7.7	●	→	891.11 Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	6.04	m ³ H ₂ O-eq./capita	95.4	●	↓	1,282.60 Mm ³ H ₂ O-eq. 2018
Domestic water stress	7.27	ML H ₂ O-eq./capita	10.8	●	→	50.59 Bm ³ H ₂ O-eq. 2018
Spillover water stress	0.36	m ³ H ₂ O-eq./capita	84.7	●	↓	76.08 Mm ³ H ₂ O-eq. 2018

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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Peru

Latin America and Caribbean

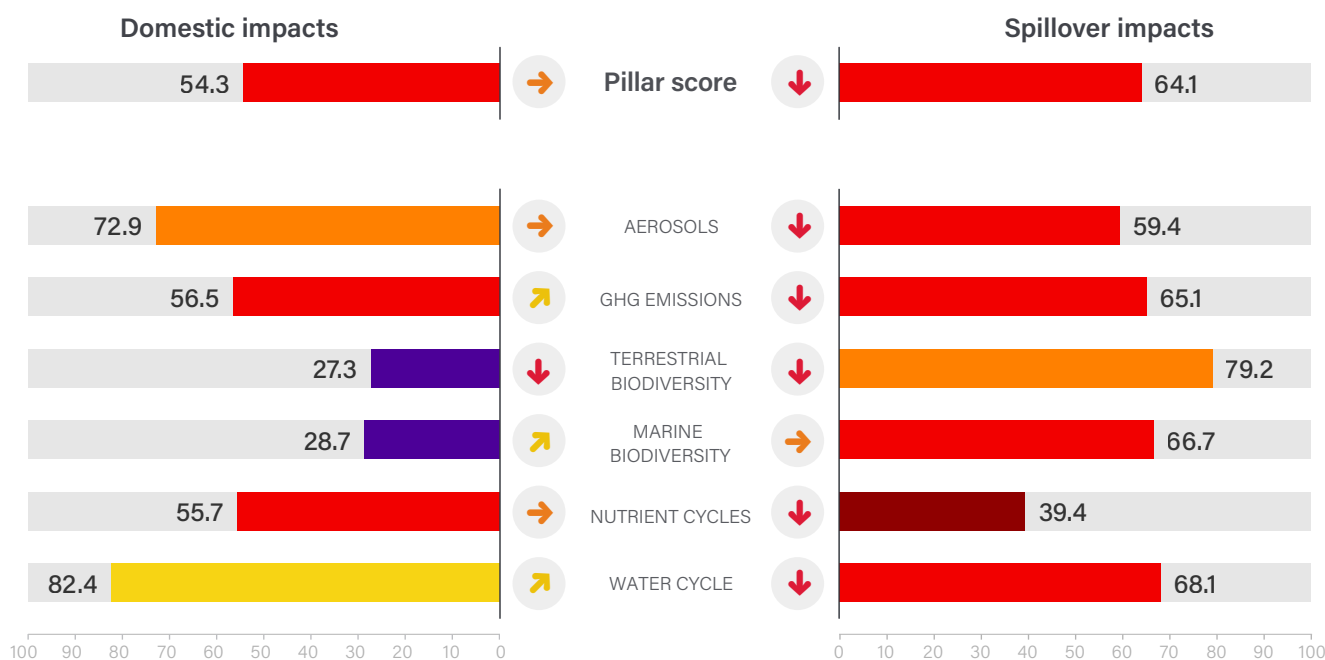
Land area	1,280,000 sq. km	Population	33.0 million
GDP (PPP, constant 2017 US\$, billions)	\$371.3	GDP per capita	\$11,261
Human Development Index (HDI)	0.762	HDI category	High

Global Commons Stewardship Index, overall scores

	Rating	Score	Trajectory
PROPORTIONAL	●	59.0 /100	→
ABSOLUTE	●	51.1 /100	→

Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

95–100	None or limited
90–95	Low
80–90	Medium-low
70–80	Medium-high
50–70	High
30–50	Very high
0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Peru

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	5.91	kg/capita	55.9	● ↗	189.18	Gg	2018
Spillover SO ₂ emissions	2.99	kg/capita	60.7	● ↓	91.11	Gg	2015
Domestic NO _x emissions	9.14	kg/capita	91.3	● ↓	292.51	Gg	2018
Spillover NO _x emissions	2.97	kg/capita	59.0	● ↓	90.55	Gg	2015
Domestic black carbon emissions	0.37	kg/capita	75.8	● →	11.69	Gg	2018
Spillover black carbon emissions	0.13	kg/capita	58.4	● ↓	3.82	Gg	2015
GHG Emissions							
Domestic GHG emissions	3.64	t CO ₂ e/capita	76.8	● ↗	118.26	Tg	2019
Spillover GHG emissions	1.41	t CO ₂ e/capita	65.1	● ↓	45.14	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	0.39	t CO ₂ e/capita	22.5	● ●	12.86	Tg	2020
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	29.60	%	72.4	● ↓	29.60	%	2020
Unprotected freshwater biodiversity sites	49.58	%	53.1	● ↓	49.58	%	2020
Domestic land use related biodiversity loss	3.38 × 10 ⁻¹¹	global PDF/capita	55.0	● →	1.08 × 10 ⁻³	global PDF	2018
Spillover land use related biodiversity loss	3.23 × 10 ⁻¹²	global PDF/capita	83.7	● ↓	1.03 × 10 ⁻⁴	global PDF	2018
Domestic freshwater biodiversity threats	2.71	spp./million	10.4	● ●	86.61	species	2018
Spillover freshwater biodiversity threats	0.04	spp./million	51.1	● ●	1.38	species	2018
Domestic deforestation	0.30	%	77.7	● ↓	2.34 × 10 ⁵	hectares	2020
Spillover deforestation	6.85 × 10 ⁻⁴	ha/capita	92.1	● ↓	2.19 × 10 ⁴	hectares	2018
Red List Index of species survival	0.73	scale 0 to 1	20.3	● ↓	0.73	scale 0 to 1	2021
Biodiversity Habitat Index	0.60	scale 0 to 1	44.8	● ●	0.60	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	9.56 × 10 ⁻³	WOE/million	1.0	● ●	3.11 × 10 ⁵	WOE	2019
Spillover endangered terrestrial animals	3.38 × 10 ⁻⁷	WOE/capita	100.0	● ●	1.10 × 10	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	2.59 × 10 ⁻⁵	WOE/million	99.1	● ●	8.41 × 10 ²	WOE	2019
Spillover endangered marine animals	1.93 × 10 ⁻⁵	WOE/capita	98.8	● ●	6.29 × 10 ²	WOE	2019
Unprotected marine biodiversity sites	51.64	%	48.9	● ↓	51.64	%	2020
Domestic marine biodiversity threats	1.01	spp./million	29.8	● ●	32.35	species	2018
Spillover marine biodiversity threats	0.01	spp./million	59.0	● ●	0.35	species	2018
Fish caught from overexploited or collapsed stocks	1.19	%	98.2	● ↑	1.19	%	2018
Fish caught by trawling	1.27	%	98.2	● ↑	1.27	%	2018
Domestic vulnerable fisheries catch	244.86	tonnes/capita	1.0	● ↓	7.83	Tg	2018
Spillover vulnerable fisheries catch	3.69	tonnes/capita	50.9	● →	0.12	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	0.83	scale 0 to 1.4	28.9	● →	0.83	scale 0 to 1.4	2015
Domestic nitrogen surplus	7.56	kg/capita	79.6	● ↓	230.36	Gg	2015
Spillover nitrogen surplus	2.14	kg/capita	45.5	● ↓	65.27	Tg	2015
Domestic phosphorus fertilizer	2.34	kg/capita	69.7	● ↗	74.97	kt	2018
Spillover phosphorus fertilizer	3.11	g/capita	34.1	● ↓	99.58	kt	2018
Water Cycle							
Domestic scarce water consumption	0.03	m ³ H ₂ O-eq./capita	100.0	● ↑	1.11	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	15.83	m ³ H ₂ O-eq./capita	70.3	● ↓	66.12	Mm ³ H ₂ O-eq.	2018
Domestic water stress	0.89	ML H ₂ O-eq./capita	37.9	● →	28.44	Bm ³ H ₂ O-eq.	2018
Spillover water stress	0.85	m ³ H ₂ O-eq./capita	62.5	● ↓	3.54	Mm ³ H ₂ O-eq.	2018

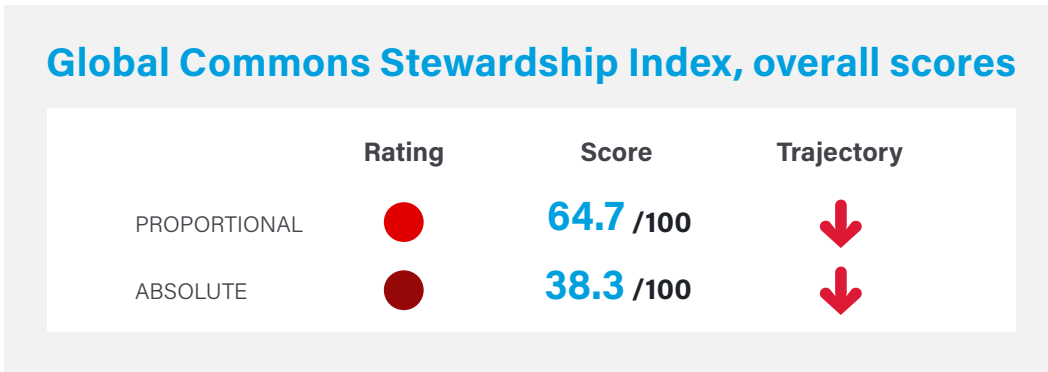
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Philippines

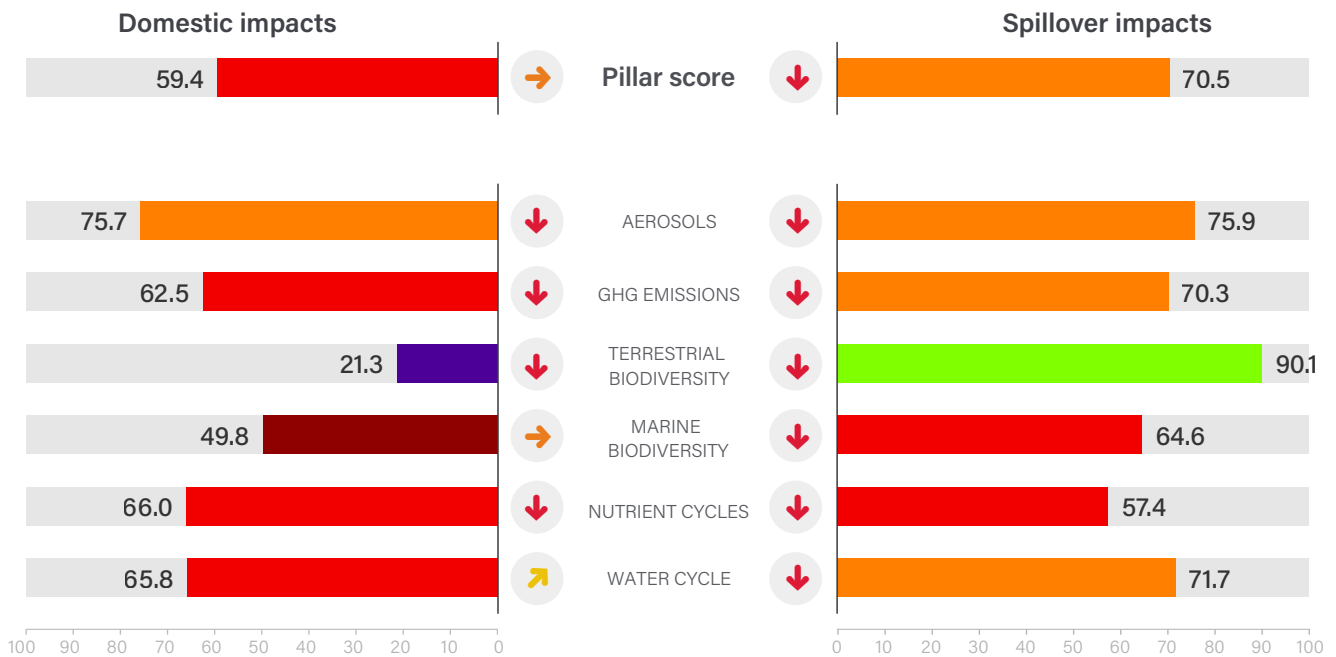
East and South Asia

Land area	298,170 sq. km	Population	109.6 million
GDP (PPP, constant 2017 US\$, billions)	\$871.6	GDP per capita	\$7,954
Human Development Index (HDI)	0.699	HDI category	Medium



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

■	95–100	None or limited
■	90–95	Low
■	80–90	Medium-low
■	70–80	Medium-high
■	50–70	High
■	30–50	Very high
■	0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Philippines

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	4.80	kg/capita	60.7	● ↓	511.90	Gg 2018
Spillover SO ₂ emissions	1.63	kg/capita	77.5	● ↓	166.00	Gg 2015
Domestic NO _x emissions	6.45	kg/capita	96.8	● ↓	688.31	Gg 2018
Spillover NO _x emissions	1.67	kg/capita	74.3	● ↓	170.57	Gg 2015
Domestic black carbon emissions	0.39	kg/capita	73.8	● ↓	41.29	Gg 2018
Spillover black carbon emissions	0.07	kg/capita	75.9	● ↓	6.81	Gg 2015
GHG Emissions						
Domestic GHG emissions	3.14	t CO ₂ e/capita	82.6	● ↓	339.03	Tg 2019
Spillover GHG emissions	1.17	t CO ₂ e/capita	70.3	● ↓	125.01	Tg 2018
CO ₂ emissions embodied in fossil fuel exports	0.14	t CO ₂ e/capita	271	● ●	15.39	Tg 2020
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	41.64	%	60.2	● ↓	41.64	% 2020
Unprotected freshwater biodiversity sites	49.84	%	52.8	● ↓	49.84	% 2020
Domestic land use related biodiversity loss	2.12 × 10 ⁻¹¹	global PDF/capita	71.8	● →	2.26 × 10 ⁻³	global PDF 2018
Spillover land use related biodiversity loss	2.12 × 10 ⁻¹²	global PDF/capita	90.4	● ↓	2.26 × 10 ⁻⁴	global PDF 2018
Domestic freshwater biodiversity threats	0.21	spp./million	45.4	● ●	22.43	species 2018
Spillover freshwater biodiversity threats	0.01	spp./million	77.6	● ●	0.95	species 2018
Domestic deforestation	0.35	%	73.5	● ↓	6.49 × 10 ⁴	hectares 2020
Spillover deforestation	5.53 × 10 ⁻⁴	ha/capita	94.0	● ↓	5.90 × 10 ⁴	hectares 2018
Red List Index of species survival	0.67	scale 0 to 1	2.2	● ↓	0.67	scale 0 to 1 2021
Biodiversity Habitat Index	0.36	scale 0 to 1	10.7	● ●	0.36	scale 0 to 1 2020
Domestic export of endangered terrestrial animals	1.78 × 10 ⁻⁵	WOE/million	99.8	● ●	1.93 × 10 ³	WOE 2019
Spillover endangered terrestrial animals	8.45 × 10 ⁻⁶	WOE/capita	99.9	● ●	9.14 × 10 ²	WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	1.20 × 10 ⁻⁵	WOE/million	99.6	● ●	1.30 × 10 ³	WOE 2019
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE 2019
Unprotected marine biodiversity sites	38.00	%	62.4	● ↓	38.00	% 2020
Domestic marine biodiversity threats	1.14	spp./million	28.1	● ●	121.38	species 2018
Spillover marine biodiversity threats	0.02	spp./million	50.6	● ●	2.25	species 2018
Fish caught from overexploited or collapsed stocks	12.53	%	80.0	● ↗	12.53	% 2018
Fish caught by trawling	3.40	%	94.7	● ↗	3.40	% 2018
Domestic vulnerable fisheries catch	42.65	tonnes/capita	19.1	● →	4.55	Tg 2018
Spillover vulnerable fisheries catch	3.18	tonnes/capita	53.4	● ↓	0.34	tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.77	scale 0 to 1.4	33.9	● ↓	0.77	scale 0 to 1.4 2015
Domestic nitrogen surplus	4.03	kg/capita	89.8	● ↓	411.79	Gg 2015
Spillover nitrogen surplus	0.74	kg/capita	65.6	● ↓	76.00	Tg 2015
Domestic phosphorus fertilizer	1.25	kg/capita	86.5	● ↓	132.99	kt 2018
Spillover phosphorus fertilizer	1.85	g/capita	50.2	● ↓	197.49	kt 2018
Water Cycle						
Domestic scarce water consumption	0.71	m ³ H ₂ O-eq./capita	66.0	● ↗	76.25	Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	16.34	m ³ H ₂ O-eq./capita	69.5	● ↓	522.82	Mm ³ H ₂ O-eq. 2018
Domestic water stress	0.11	ML H ₂ O-eq./capita	65.2	● ↗	11.42	Bm ³ H ₂ O-eq. 2018
Spillover water stress	0.72	m ³ H ₂ O-eq./capita	66.7	● ↓	23.02	Mm ³ H ₂ O-eq. 2018

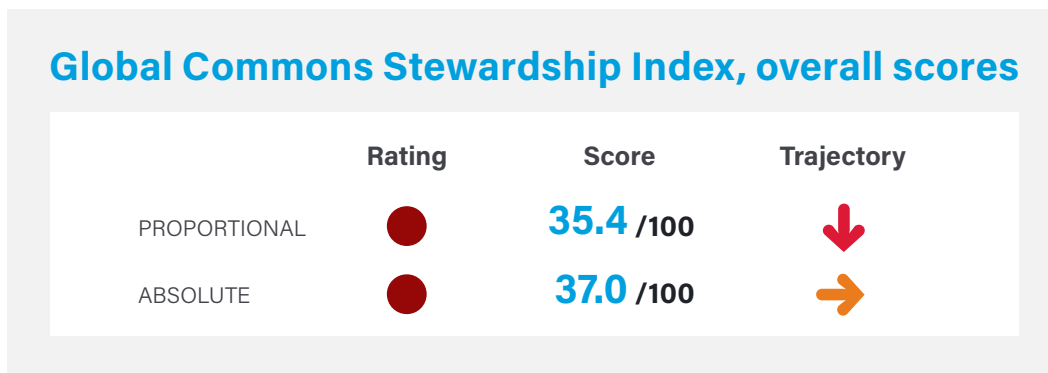
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Poland

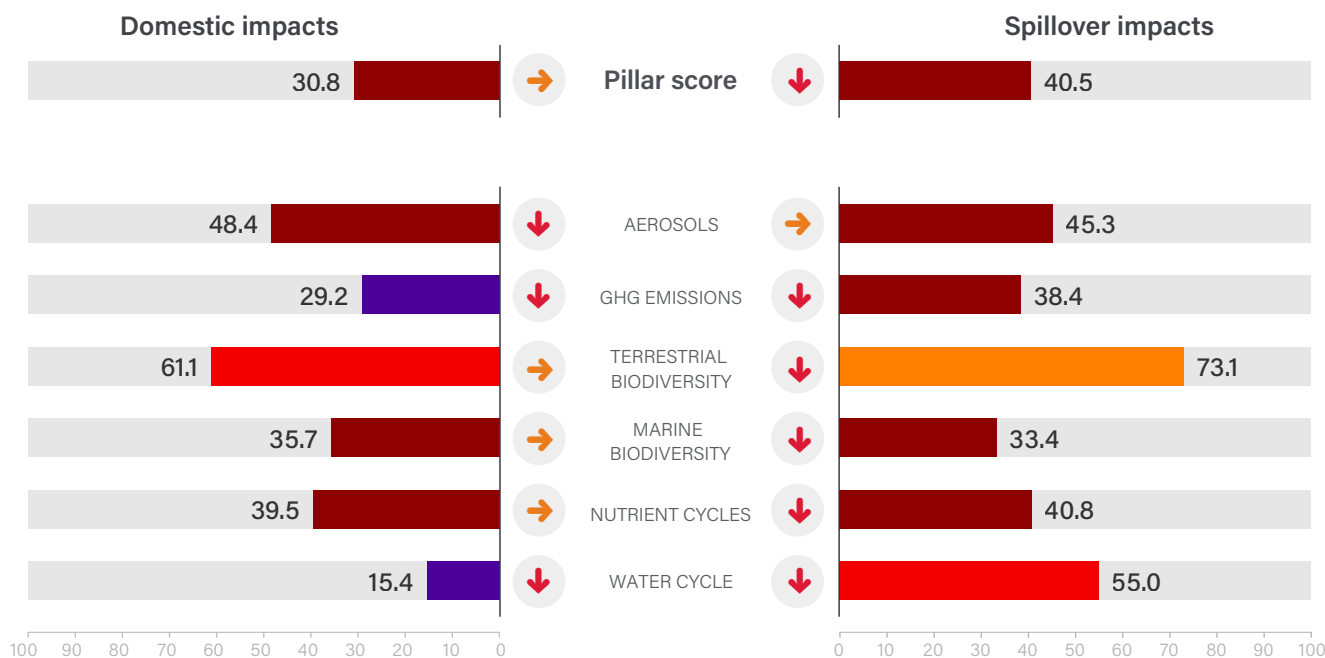
OECD Member

Land area	306,170 sq. km	Population	38.0 million
GDP (PPP, constant 2017 US\$, billions)	\$1,223.5	GDP per capita	\$32,238
Human Development Index (HDI)	0.876	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories



The Global Commons Stewardship Index

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Dashboard categories

Negative impacts on the Global Commons

95–100	None or limited
90–95	Low
80–90	Medium-low
70–80	Medium-high
50–70	High
30–50	Very high
0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Poland

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	18.85	kg/capita	29.3	● ↓	715.72	Gg	2018
Spillover SO ₂ emissions	5.14	kg/capita	45.7	● →	195.40	Gg	2015
Domestic NO _x emissions	19.15	kg/capita	70.8	● ↓	727.05	Gg	2018
Spillover NO _x emissions	5.67	kg/capita	41.8	● →	215.44	Gg	2015
Domestic black carbon emissions	0.60	kg/capita	54.7	● ↓	22.73	Gg	2018
Spillover black carbon emissions	0.18	kg/capita	48.6	● →	6.79	Gg	2015
GHG Emissions							
Domestic GHG emissions	11.71	t CO ₂ e/capita	31.4	● ↓	444.70	Tg	2019
Spillover GHG emissions	3.66	t CO ₂ e/capita	38.4	● ↓	138.94	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	0.32	t CO ₂ e/capita	23.3	● ●	12.32	Tg	2020
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	87.34	%	13.8	● ↓	87.34	%	2020
Unprotected freshwater biodiversity sites	91.13	%	10.2	● ↓	91.13	%	2020
Domestic land use related biodiversity loss	2.01 × 10 ⁻¹²	global PDF/capita	97.3	● →	7.64 × 10 ⁻⁵	global PDF	2018
Spillover land use related biodiversity loss	2.61 × 10 ⁻¹²	global PDF/capita	87.4	● ↓	9.91 × 10 ⁻⁵	global PDF	2018
Domestic freshwater biodiversity threats	0.06	spp./million	62.3	● ●	2.29	species	2018
Spillover freshwater biodiversity threats	0.09	spp./million	39.7	● ●	3.23	species	2018
Domestic deforestation	0.77	%	42.2	● ↓	8.19 × 10 ⁴	hectares	2020
Spillover deforestation	1.34 × 10 ⁻³	ha/capita	82.5	● ↓	5.08 × 10 ⁴	hectares	2018
Red List Index of species survival	0.97	scale 0 to 1	95.3	● ↑	0.97	scale 0 to 1	2021
Biodiversity Habitat Index	0.37	scale 0 to 1	12.4	● ●	0.37	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	0.00	WOE/million	100.0	● ●	0.00	WOE	2019
Spillover endangered terrestrial animals	5.41 × 10 ⁻⁵	WOE/capita	99.4	● ●	2.05 × 10 ³	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE	2019
Spillover endangered marine animals	1.16 × 10 ⁻³	WOE/capita	25.6	● ●	4.42 × 10 ⁴	WOE	2019
Unprotected marine biodiversity sites	87.32	%	13.6	● ↓	87.32	%	2020
Domestic marine biodiversity threats	0.01	spp./million	100.0	● ●	0.20	species	2018
Spillover marine biodiversity threats	0.02	spp./million	50.0	● ●	0.84	species	2018
Fish caught from overexploited or collapsed stocks	50.99	%	18.6	● →	50.99	%	2018
Fish caught by trawling	38.75	%	36.6	● ↓	38.75	%	2018
Domestic vulnerable fisheries catch	4.80	tonnes/capita	47.8	● ↓	0.18	Tg	2018
Spillover vulnerable fisheries catch	13.57	tonnes/capita	29.1	● ↓	0.52	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	0.61	scale 0 to 1.4	48.2	● →	0.61	scale 0 to 1.4	2015
Domestic nitrogen surplus	21.18	kg/capita	40.4	● →	804.48	Gg	2015
Spillover nitrogen surplus	4.11	kg/capita	33.1	● ↓	156.28	Tg	2015
Domestic phosphorus fertilizer	9.05	kg/capita	33.5	● ↓	343.50	kt	2018
Spillover phosphorus fertilizer	1.85	g/capita	50.2	● ↓	70.30	kt	2018
Water Cycle							
Domestic scarce water consumption	96.55	m ³ H ₂ O-eq./capita	10.9	● ↓	3,666.37	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	13.88	m ³ H ₂ O-eq./capita	73.8	● ↓	1,480.27	Mm ³ H ₂ O-eq.	2018
Domestic water stress	0.14	ML H ₂ O-eq./capita	61.6	● ↓	5.40	Bm ³ H ₂ O-eq.	2018
Spillover water stress	0.64	m ³ H ₂ O-eq./capita	69.6	● ↓	68.65	Mm ³ H ₂ O-eq.	2018

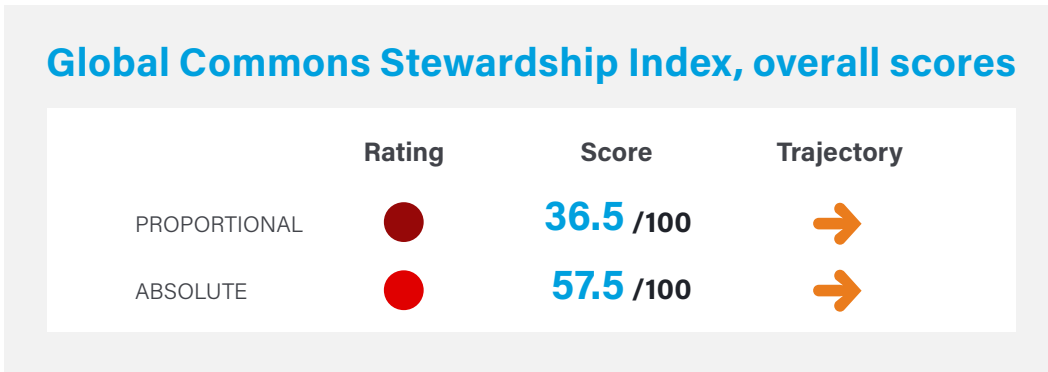
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Portugal

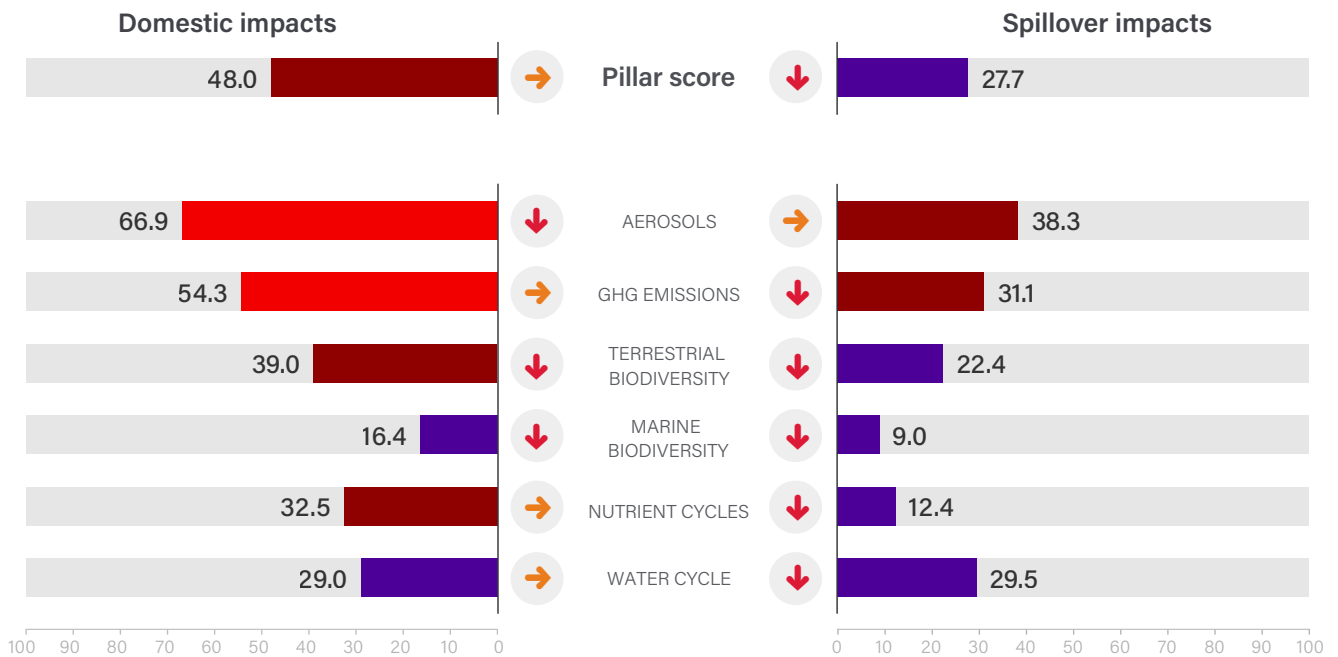
OECD Member

Land area	91,606 sq. km	Population	10.3 million
GDP (PPP, constant 2017 US\$, billions)	\$331.6	GDP per capita	\$32,178
Human Development Index (HDI)	0.866	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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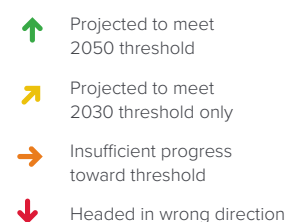
Dashboard categories

Negative impacts on the Global Commons



Trajectories

Based on 5-year growth rates



Portugal

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	7.49	kg/capita	50.5	● ↓	77.03	Gg 2018
Spillover SO ₂ emissions	5.58	kg/capita	43.5	● →	57.79	Gg 2015
Domestic NO _x emissions	14.41	kg/capita	80.5	● ↓	148.20	Gg 2018
Spillover NO _x emissions	7.47	kg/capita	34.5	● →	77.41	Gg 2015
Domestic black carbon emissions	0.39	kg/capita	73.8	● ↓	3.99	Gg 2018
Spillover black carbon emissions	0.27	kg/capita	37.6	● →	2.76	Gg 2015
GHG Emissions						
Domestic GHG emissions	7.90	t CO ₂ e/capita	46.7	● →	81.29	Tg 2019
Spillover GHG emissions	4.74	t CO ₂ e/capita	31.1	● ↓	48.76	Tg 2018
CO ₂ emissions embodied in fossil fuel exports	0.00	t CO ₂ e/capita	85.6	● ●	0.00	Tg 2021
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	75.36	%	26.0	● ↓	75.36	% 2020
Unprotected freshwater biodiversity sites	68.63	%	33.4	● ↓	68.63	% 2020
Domestic land use related biodiversity loss	1.29 × 10 ⁻¹¹	global PDF/capita	82.9	● →	1.32 × 10 ⁻⁴	global PDF 2018
Spillover land use related biodiversity loss	1.27 × 10 ⁻¹¹	global PDF/capita	26.9	● ↓	1.31 × 10 ⁻⁴	global PDF 2018
Domestic freshwater biodiversity threats	0.72	spp./million	28.6	● ●	7.36	species 2018
Spillover freshwater biodiversity threats	0.51	spp./million	9.6	● ●	5.21	species 2018
Domestic deforestation	2.55	%	1.0	● ↓	5.55 × 10 ⁴	hectares 2020
Spillover deforestation	4.97 × 10 ⁻³	ha/capita	29.3	● ↓	5.11 × 10 ⁴	hectares 2018
Red List Index of species survival	0.86	scale 0 to 1	61.6	● ↓	0.86	scale 0 to 1 2021
Biodiversity Habitat Index	0.35	scale 0 to 1	9.4	● ●	0.35	scale 0 to 1 2020
Domestic export of endangered terrestrial animals	0.00	WOE/million	100.0	● ●	0.00	WOE 2019
Spillover endangered terrestrial animals	5.72 × 10 ⁻³	WOE/capita	33.1	● ●	5.88 × 10 ⁴	WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE 2019
Spillover endangered marine animals	1.73 × 10 ⁻⁴	WOE/capita	88.9	● ●	1.78 × 10 ³	WOE 2019
Unprotected marine biodiversity sites	68.28	%	32.4	● ↓	68.28	% 2020
Domestic marine biodiversity threats	1.43	spp./million	25.0	● ●	14.62	species 2018
Spillover marine biodiversity threats	0.58	spp./million	8.1	● ●	5.93	species 2018
Fish caught from overexploited or collapsed stocks	68.92	%	1.0	● ↓	68.92	% 2018
Fish caught by trawling	33.15	%	45.8	● ↓	33.15	% 2018
Domestic vulnerable fisheries catch	41.10	tonnes/capita	19.6	● ↓	0.42	Tg 2018
Spillover vulnerable fisheries catch	73.12	tonnes/capita	1.0	● ↓	0.75	tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	1.07	scale 0 to 1.4	8.4	● →	1.07	scale 0 to 1.4 2015
Domestic nitrogen surplus	15.05	kg/capita	58.0	● ↓	155.87	Gg 2015
Spillover nitrogen surplus	13.24	kg/capita	10.9	● ↓	137.12	Tg 2015
Domestic phosphorus fertilizer	3.63	kg/capita	57.9	● →	37.37	kt 2018
Spillover phosphorus fertilizer	5.95	g/capita	14.0	● ↓	61.16	kt 2018
Water Cycle						
Domestic scarce water consumption	11.55	m ³ H ₂ O-eq./capita	34.8	● ↓	118.75	Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	14.18	m ³ H ₂ O-eq./capita	73.2	● ↓	122.03	Mm ³ H ₂ O-eq. 2018
Domestic water stress	5.62	ML H ₂ O-eq./capita	14.1	● →	57.84	Bm ³ H ₂ O-eq. 2018
Spillover water stress	0.86	m ³ H ₂ O-eq./capita	62.2	● →	7.39	Mm ³ H ₂ O-eq. 2018

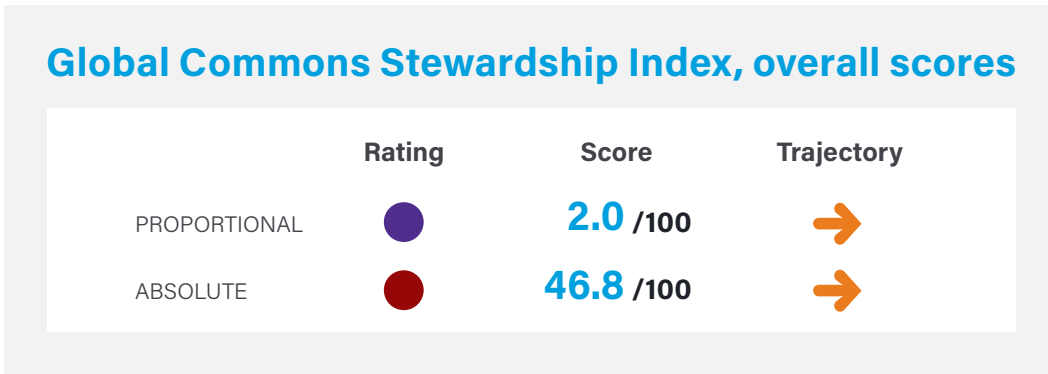
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Qatar

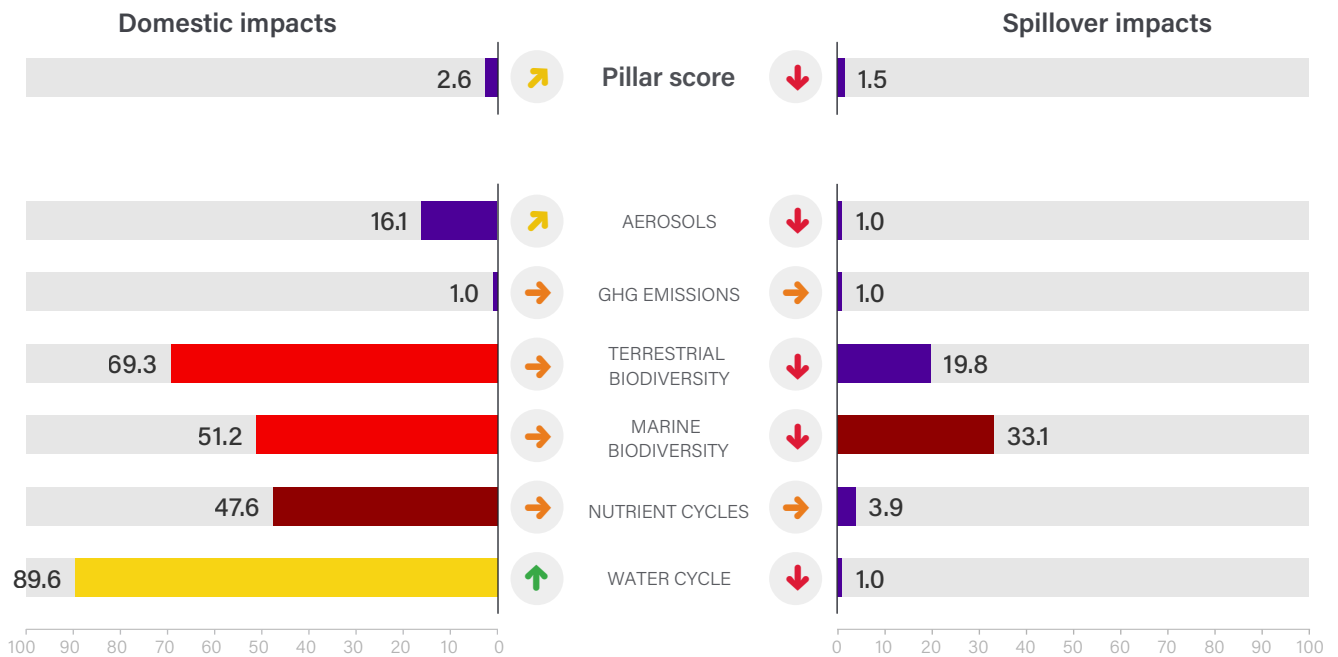
Middle East and North Africa

Land area	11,490 sq. km	Population	2.9 million
GDP (PPP, constant 2017 US\$, billions)	\$245.7	GDP per capita	\$85,266
Human Development Index (HDI)	0.855	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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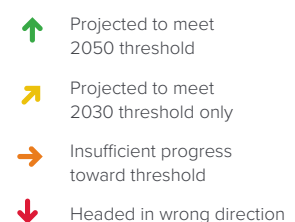
Dashboard categories

Negative impacts on the Global Commons



Trajectories

Based on 5-year growth rates



Qatar

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	4.32	kg/capita	63.1	●	↑	12.02 Gg 2018
Spillover SO ₂ emissions	39.09	kg/capita	1.0	●	→	100.30 Gg 2015
Domestic NO _x emissions	65.85	kg/capita	1.0	●	→	183.16 Gg 2018
Spillover NO _x emissions	37.45	kg/capita	1.0	●	↓	96.08 Gg 2015
Domestic black carbon emissions	0.47	kg/capita	66.4	●	↑	1.31 Gg 2018
Spillover black carbon emissions	1.31	kg/capita	1.0	●	↓	3.35 Gg 2015
GHG Emissions						
Domestic GHG emissions	67.22	t CO ₂ e/capita	1.0	●	→	190.36 Tg 2019
Spillover GHG emissions	18.30	t CO ₂ e/capita	1.0	●	→	50.90 Tg 2018
CO ₂ emissions embodied in fossil fuel exports	61.18	t CO ₂ e/capita	1.0	●	●	176.25 Tg 2020
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	59.99	%	41.6	●	↓	59.99 % 2020
Unprotected freshwater biodiversity sites	NA	%	NA	●	●	NA % NA
Domestic land use related biodiversity loss	1.27 × 10 ⁻¹⁴	global PDF/capita	100.0	●	↑	3.53 × 10 ⁻⁸ global PDF 2018
Spillover land use related biodiversity loss	2.96 × 10 ⁻¹¹	global PDF/capita	1.0	●	→	8.22 × 10 ⁻⁵ global PDF 2018
Domestic freshwater biodiversity threats	0.00	spp./million	100.0	●	●	0.01 species 2018
Spillover freshwater biodiversity threats	0.11	spp./million	35.0	●	●	0.31 species 2018
Domestic deforestation	NA	%	NA	●	●	NA hectares NA
Spillover deforestation	3.95 × 10 ⁻³	ha/capita	44.1	●	↓	110 × 10 ⁴ hectares 2018
Red List Index of species survival	0.82	scale 0 to 1	47.9	●	↓	0.82 scale 0 to 1 2021
Biodiversity Habitat Index	0.61	scale 0 to 1	46.5	●	●	0.61 scale 0 to 1 2020
Domestic export of endangered terrestrial animals	7.06 × 10 ⁻⁷	WOE/million	100.0	●	●	2.00 WOE 2019
Spillover endangered terrestrial animals	1.27 × 10 ⁻⁵	WOE/capita	99.9	●	●	3.60 × 10 WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	0.00	WOE/million	100.0	●	●	0.00 WOE 2019
Spillover endangered marine animals	5.73 × 10 ⁻⁴	WOE/capita	63.4	●	●	1.62 × 10 ³ WOE 2019
Unprotected marine biodiversity sites	59.99	%	40.6	●	↓	59.99 % 2020
Domestic marine biodiversity threats	0.56	spp./million	38.0	●	●	1.56 species 2018
Spillover marine biodiversity threats	0.09	spp./million	32.2	●	●	0.25 species 2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	●	●	NA % NA
Fish caught by trawling	0.00	%	100.0	●	●	0.00 % 2018
Domestic vulnerable fisheries catch	10.56	tonnes/capita	37.4	●	→	0.03 Tg 2018
Spillover vulnerable fisheries catch	26.92	tonnes/capita	17.7	●	↓	0.07 tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	1.02	scale 0 to 1.4	12.3	●	↓	1.02 scale 0 to 1.4 2015
Domestic nitrogen surplus	0.25	kg/capita	100.0	●	↑	0.65 Gg 2015
Spillover nitrogen surplus	10.37	kg/capita	15.6	●	→	26.61 Tg 2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	●	●	NA kt NA
Spillover phosphorus fertilizer	12.87	g/capita	1.0	●	↓	35.79 kt 2018
Water Cycle						
Domestic scarce water consumption	0.00	m ³ H ₂ O-eq./capita	100.0	●	↑	0.00 Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	277.3	m ³ H ₂ O-eq./capita	55.7	●	↓	1,052.98 Mm ³ H ₂ O-eq. 2018
Domestic water stress	0.19	ML H ₂ O-eq./capita	57.8	●	↑	0.53 Bm ³ H ₂ O-eq. 2018
Spillover water stress	1.17	m ³ H ₂ O-eq./capita	54.3	●	↓	44.25 Mm ³ H ₂ O-eq. 2018

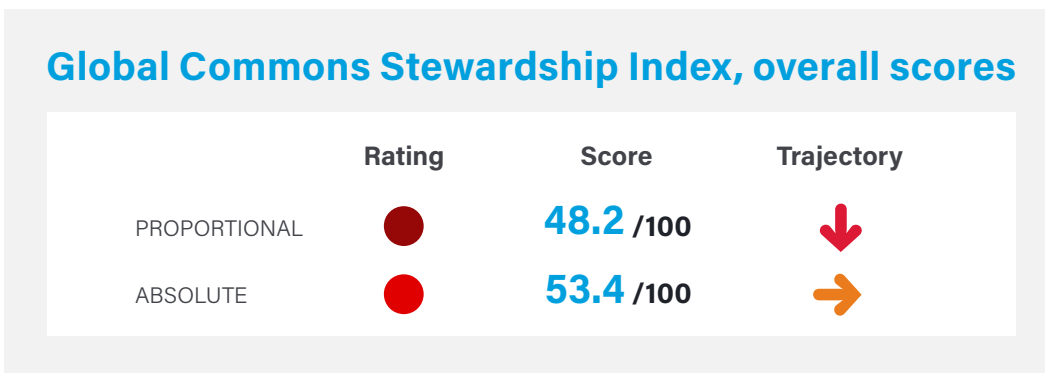
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Romania

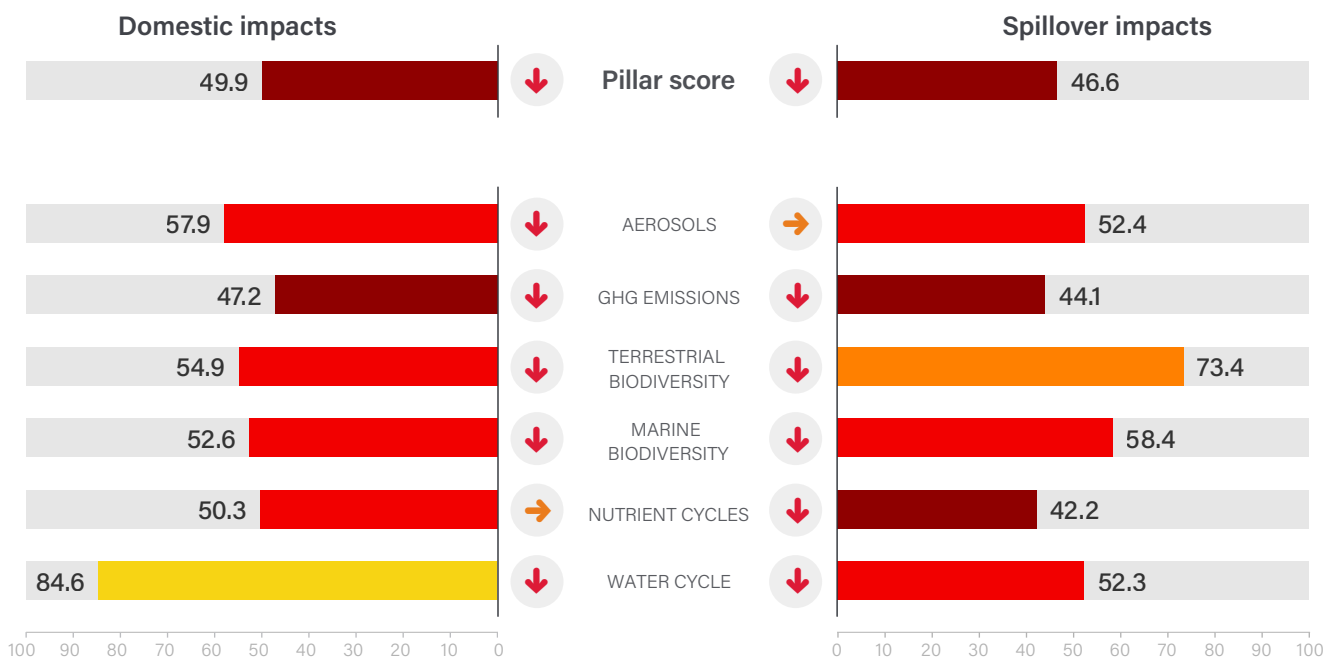
Eastern Europe and Central Asia

Land area	230,080 sq. km	Population	19.3 million
GDP (PPP, constant 2017 US\$, billions)	\$556.1	GDP per capita	\$28,833
Human Development Index (HDI)	0.821	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons



Trajectories

Based on 5-year growth rates



Romania

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	14.23	kg/capita	35.7	● →	277.03	Gg 2018
Spillover SO ₂ emissions	4.19	kg/capita	51.4	● →	83.00	Gg 2015
Domestic NO _x emissions	12.14	kg/capita	85.2	● ↓	236.51	Gg 2018
Spillover NO _x emissions	4.39	kg/capita	48.6	● →	87.03	Gg 2015
Domestic black carbon emissions	0.50	kg/capita	63.8	● ↓	9.69	Gg 2018
Spillover black carbon emissions	0.13	kg/capita	57.7	● →	2.55	Gg 2015
GHG Emissions						
Domestic GHG emissions	7.23	t CO ₂ e/capita	50.2	● ↓	140.00	Tg 2019
Spillover GHG emissions	2.98	t CO ₂ e/capita	44.1	● ↓	58.04	Tg 2018
CO ₂ emissions embodied in fossil fuel exports	0.01	t CO ₂ e/capita	39.2	● ●	0.19	Tg 2020
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	75.97	%	25.4	● ↓	75.97	% 2020
Unprotected freshwater biodiversity sites	60.82	%	41.5	● ↓	60.82	% 2020
Domestic land use related biodiversity loss	6.04 × 10 ⁻¹²	global PDF/capita	92.0	● ↓	1.18 × 10 ⁻⁴	global PDF 2018
Spillover land use related biodiversity loss	2.70 × 10 ⁻¹²	global PDF/capita	86.9	● ↓	5.26 × 10 ⁻⁵	global PDF 2018
Domestic freshwater biodiversity threats	0.47	spp./million	34.4	● ●	9.17	species 2018
Spillover freshwater biodiversity threats	0.09	spp./million	39.4	● ●	1.70	species 2018
Domestic deforestation	0.24	%	82.1	● ↓	1.83 × 10 ⁴	hectares 2020
Spillover deforestation	1.06 × 10 ⁻³	ha/capita	86.6	● ↓	2.06 × 10 ⁴	hectares 2018
Red List Index of species survival	0.86	scale 0 to 1	61.8	● →	0.86	scale 0 to 1 2021
Biodiversity Habitat Index	0.32	scale 0 to 1	5.1	● ●	0.32	scale 0 to 1 2020
Domestic export of endangered terrestrial animals	0.00	WOE/million	100.0	● ●	0.00	WOE 2019
Spillover endangered terrestrial animals	1.57 × 10 ⁻⁴	WOE/capita	98.2	● ●	3.04 × 10 ³	WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE 2019
Spillover endangered marine animals	3.20 × 10 ⁻⁵	WOE/capita	98.0	● ●	6.20 × 10 ²	WOE 2019
Unprotected marine biodiversity sites	88.60	%	12.3	● ↓	88.60	% 2020
Domestic marine biodiversity threats	0.02	spp./million	83.6	● ●	0.40	species 2018
Spillover marine biodiversity threats	0.02	spp./million	52.4	● ●	0.36	species 2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	● ●	NA	% NA
Fish caught by trawling	0.00	%	100.0	● ●	0.00	% 2018
Domestic vulnerable fisheries catch	1.53	tonnes/capita	62.8	● ↓	0.03	Tg 2018
Spillover vulnerable fisheries catch	7.61	tonnes/capita	38.8	● ↓	0.15	tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.45	scale 0 to 1.4	61.7	● →	0.45	scale 0 to 1.4 2015
Domestic nitrogen surplus	8.90	kg/capita	75.7	● ↓	176.35	Gg 2015
Spillover nitrogen surplus	2.67	kg/capita	41.3	● ↓	52.99	Tg 2015
Domestic phosphorus fertilizer	9.68	kg/capita	31.7	● ↓	188.41	kt 2018
Spillover phosphorus fertilizer	2.33	g/capita	43.1	● ↓	45.33	kt 2018
Water Cycle						
Domestic scarce water consumption	0.05	m ³ H ₂ O-eq./capita	95.0	● ↓	1.06	Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	41.48	m ³ H ₂ O-eq./capita	45.3	● ↓	426.55	Mm ³ H ₂ O-eq. 2018
Domestic water stress	0.27	ML H ₂ O-eq./capita	53.3	● ↓	5.24	Bm ³ H ₂ O-eq. 2018
Spillover water stress	4.52	m ³ H ₂ O-eq./capita	19.2	● ↓	46.46	Mm ³ H ₂ O-eq. 2018

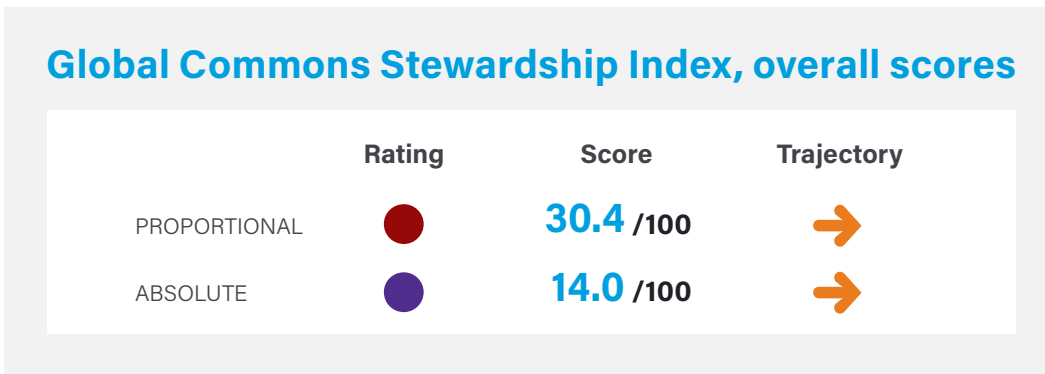
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Russian Federation

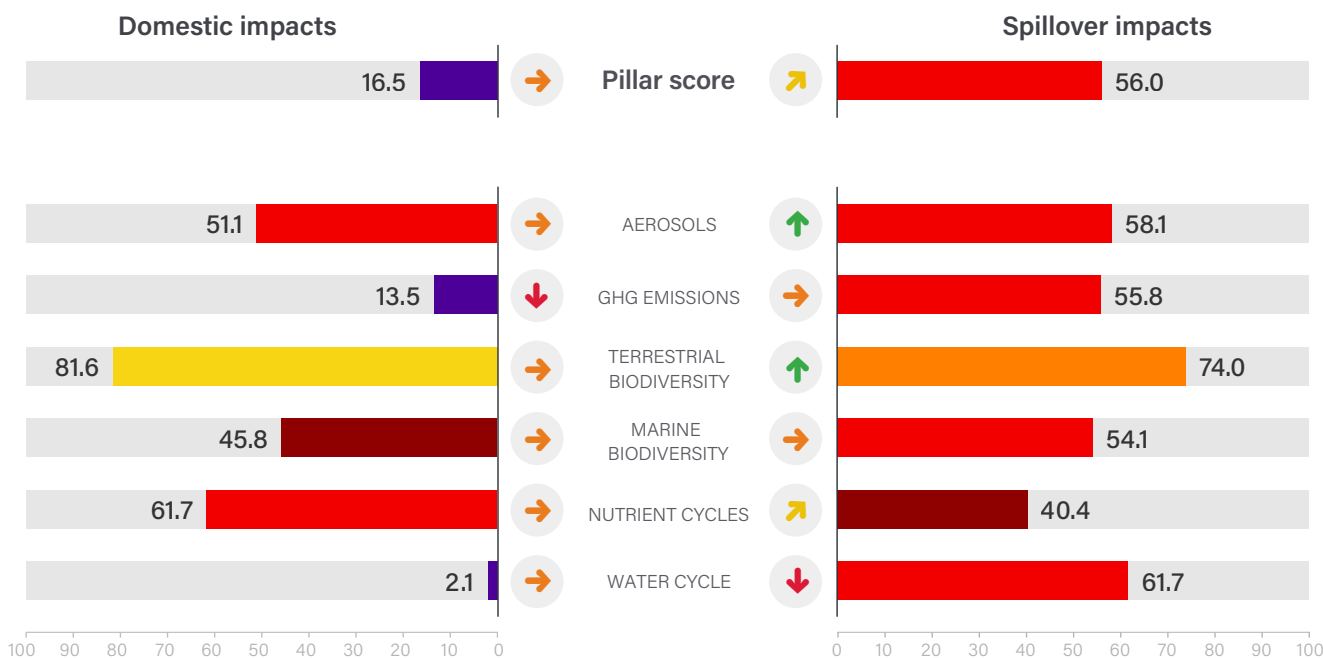
Eastern Europe and Central Asia

Land area	16,376,870 sq. km	Population	144.1 million
GDP (PPP, constant 2017 US\$, billions)	\$3,875.7	GDP per capita	\$26,895
Human Development Index (HDI)	0.822	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories



The Global Commons Stewardship Index

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Dashboard categories

Negative impacts on the Global Commons

■	95–100	None or limited
■	90–95	Low
■	80–90	Medium-low
■	70–80	Medium-high
■	50–70	High
■	30–50	Very high
■	0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Russian Federation

Performance by Indicator

Indicator	Proportional		Score			Absolute		Year
	Value	Units				Value	Units	
Aerosols								
Domestic SO ₂ emissions	17.22	kg/capita	31.3	●	→	2,488.18	Gg	2018
Spillover SO ₂ emissions	3.11	kg/capita	59.6	●	↑	448.84	Gg	2015
Domestic NO _x emissions	28.29	kg/capita	52.1	●	→	4,088.00	Gg	2018
Spillover NO _x emissions	3.58	kg/capita	54.0	●	↑	516.48	Gg	2015
Domestic black carbon emissions	0.30	kg/capita	81.9	●	↓	42.99	Gg	2018
Spillover black carbon emissions	0.11	kg/capita	61.0	●	↑	16.47	Gg	2015
GHG Emissions								
Domestic GHG emissions	17.40	t CO ₂ e/capita	16.1	●	↓	2,512.27	Tg	2019
Spillover GHG emissions	1.97	t CO ₂ e/capita	55.8	●	→	284.36	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	9.22	t CO ₂ e/capita	8.0	●	●	1,329.28	Tg	2020
Terrestrial Biodiversity Loss								
Unprotected terrestrial biodiversity sites	25.12	%	76.9	●	↓	25.12	%	2020
Unprotected freshwater biodiversity sites	26.23	%	77.2	●	↓	26.23	%	2020
Domestic land use related biodiversity loss	2.17 × 10 ⁻¹²	global PDF/capita	97.1	●	→	3.13 × 10 ⁻⁴	global PDF	2018
Spillover land use related biodiversity loss	2.41 × 10 ⁻¹²	global PDF/capita	88.6	●	↑	3.49 × 10 ⁻⁴	global PDF	2018
Domestic freshwater biodiversity threats	0.54	spp./million	32.5	●	●	78.65	species	2018
Spillover freshwater biodiversity threats	0.11	spp./million	35.5	●	●	15.98	species	2018
Domestic deforestation	0.13	%	90.3	●	↓	9.72 × 10 ⁵	hectares	2020
Spillover deforestation	4.39 × 10 ⁻⁴	ha/capita	95.7	●	↑	6.34 × 10 ⁴	hectares	2018
Red List Index of species survival	0.95	scale 0 to 1	88.7	●	↓	0.95	scale 0 to 1	2021
Biodiversity Habitat Index	0.70	scale 0 to 1	58.6	●	●	0.70	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	5.34 × 10 ⁻⁵	WOE/million	99.4	●	●	7.71 × 10 ³	WOE	2019
Spillover endangered terrestrial animals	2.41 × 10 ⁻⁵	WOE/capita	99.7	●	●	3.47 × 10 ³	WOE	2019
Marine Biodiversity Loss								
Domestic export of endangered marine animals	3.47 × 10 ⁻⁵	WOE/million	98.8	●	●	5.01 × 10 ³	WOE	2019
Spillover endangered marine animals	2.47 × 10 ⁻⁵	WOE/capita	98.4	●	●	3.56 × 10 ³	WOE	2019
Unprotected marine biodiversity sites	23.57	%	76.7	●	↓	23.57	%	2020
Domestic marine biodiversity threats	0.17	spp./million	54.4	●	●	25.01	species	2018
Spillover marine biodiversity threats	0.05	spp./million	39.0	●	●	7.63	species	2018
Fish caught from overexploited or collapsed stocks	35.63	%	43.1	●	↓	35.63	%	2018
Fish caught by trawling	4.48	%	92.9	●	↑	4.48	%	2018
Domestic vulnerable fisheries catch	86.35	tonnes/capita	9.8	●	↓	12.48	Tg	2018
Spillover vulnerable fisheries catch	6.58	tonnes/capita	41.2	●	→	0.95	tonnes	2018
Nutrient Cycles								
Sustainable Nitrogen Management Index	0.59	scale 0 to 1.4	49.8	●	→	0.59	scale 0 to 1.4	2015
Domestic nitrogen surplus	3.72	kg/capita	90.6	●	↑	536.60	Gg	2015
Spillover nitrogen surplus	4.60	kg/capita	31.0	●	↑	663.07	Tg	2015
Domestic phosphorus fertilizer	4.16	kg/capita	54.3	●	↓	600.46	kt	2018
Spillover phosphorus fertilizer	1.72	g/capita	52.5	●	↓	247.87	kt	2018
Water Cycle								
Domestic scarce water consumption	497.81	m ³ H ₂ O-eq./capita	1.0	●	→	71,922.95	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	7.00	m ³ H ₂ O-eq./capita	91.6	●	↓	48.72	Mm ³ H ₂ O-eq.	2018
Domestic water stress	0.50	ML H ₂ O-eq./capita	45.2	●	↗	72.77	Bm ³ H ₂ O-eq.	2018
Spillover water stress	0.46	m ³ H ₂ O-eq./capita	78.2	●	↓	3.21	Mm ³ H ₂ O-eq.	2018

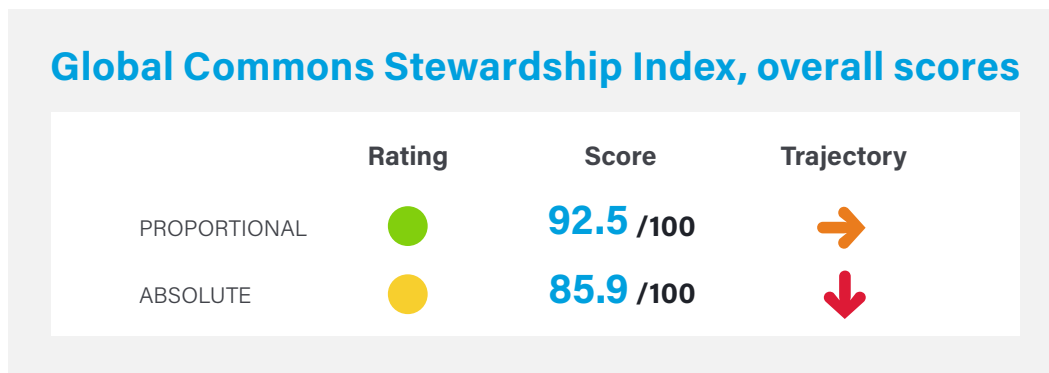
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Rwanda

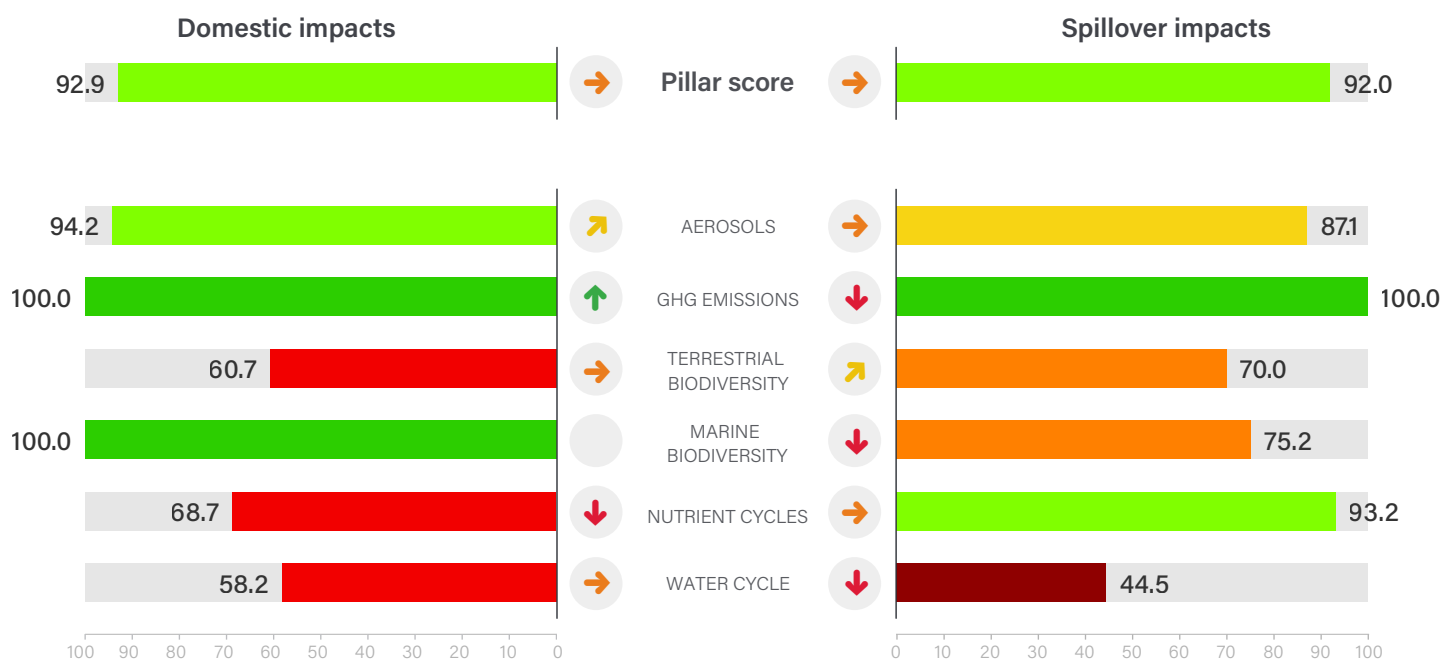
Africa

Land area	24,670 sq. km	Population	13.0 million
GDP (PPP, constant 2017 US\$, billions)	\$27.2	GDP per capita	\$2,099
Human Development Index (HDI)	0.534	HDI category	Low



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

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■	95–100	None or limited
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■	80–90	Medium-low
■	70–80	Medium-high
■	50–70	High
■	30–50	Very high
■	0–30	Extreme

Trajectories

Based on 5-year growth rates

⬆	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
➔	Insufficient progress toward threshold
⬇	Headed in wrong direction

Rwanda

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	0.56	kg/capita	100.0	● ↑	6.86	Gg 2018
Spillover SO ₂ emissions	0.58	kg/capita	100.0	● ↓	6.61	Gg 2015
Domestic NO _x emissions	1.22	kg/capita	100.0	● ↓	15.01	Gg 2018
Spillover NO _x emissions	0.57	kg/capita	100.0	● ↓	6.47	Gg 2015
Domestic black carbon emissions	0.28	kg/capita	83.7	● ↗	3.42	Gg 2018
Spillover black carbon emissions	0.09	kg/capita	66.1	● ↑	1.08	Gg 2015
GHG Emissions						
Domestic GHG emissions	1.19	t CO ₂ e/capita	100.0	● ↑	15.03	Tg 2019
Spillover GHG emissions	0.32	t CO ₂ e/capita	100.0	● ↓	3.98	Tg 2018
CO ₂ emissions embodied in fossil fuel exports	NA	t CO ₂ e/capita	NA	● ●	NA	Tg NA
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	51.69	%	50.0	● ↓	51.69	% 2020
Unprotected freshwater biodiversity sites	29.18	%	74.2	● ↓	29.18	% 2020
Domestic land use related biodiversity loss	2.46 × 10 ⁻¹²	global PDF/capita	96.7	● →	3.03 × 10 ⁻⁵	global PDF 2018
Spillover land use related biodiversity loss	3.74 × 10 ⁻¹³	global PDF/capita	100.0	● ↑	4.60 × 10 ⁻⁶	global PDF 2018
Domestic freshwater biodiversity threats	0.60	spp./million	31.0	● ●	7.43	species 2018
Spillover freshwater biodiversity threats	0.10	spp./million	37.4	● ●	1.20	species 2018
Domestic deforestation	0.62	%	53.4	● ↓	3.22 × 10 ³	hectares 2020
Spillover deforestation	2.58 × 10 ⁻³	ha/capita	64.2	● →	3.18 × 10 ⁴	hectares 2018
Red List Index of species survival	0.88	scale 0 to 1	67.6	● ↓	0.88	scale 0 to 1 2021
Biodiversity Habitat Index	0.34	scale 0 to 1	8.2	● ●	0.34	scale 0 to 1 2020
Domestic export of endangered terrestrial animals	0.00	WOE/million	100.0	● ●	0.00	WOE 2019
Spillover endangered terrestrial animals	0.00	WOE/capita	100.0	● ●	0.00	WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	NA	WOE/million	NA	● ●	NA	WOE NA
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE 2019
Unprotected marine biodiversity sites	NA	%	NA	● ●	NA	% NA
Domestic marine biodiversity threats	0.00	spp./million	100.0	● ●	0.01	species 2018
Spillover marine biodiversity threats	0.02	spp./million	49.3	● ●	0.29	species 2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	● ●	NA	% NA
Fish caught by trawling	NA	%	NA	● ●	NA	% NA
Domestic vulnerable fisheries catch	NA	tonnes/capita	NA	● ●	NA	Tg NA
Spillover vulnerable fisheries catch	0.45	tonnes/capita	86.2	● ↓	0.01	tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.76	scale 0 to 1.4	34.8	● →	0.76	scale 0 to 1.4 2015
Domestic nitrogen surplus	2.21	kg/capita	95.0	● ↓	25.16	Gg 2015
Spillover nitrogen surplus	0.24	kg/capita	86.8	● ↑	2.77	Tg 2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt NA
Spillover phosphorus fertilizer	0.24	g/capita	100.0	● ↓	2.90	kt 2018
Water Cycle						
Domestic scarce water consumption	0.49	m ³ H ₂ O-eq./capita	70.2	● ↗	6.05	Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	360.06	m ³ H ₂ O-eq./capita	1.0	● ↓	1,001.58	Mm ³ H ₂ O-eq. 2018
Domestic water stress	1.98	ML H ₂ O-eq./capita	27.5	● →	24.41	Bm ³ H ₂ O-eq. 2018
Spillover water stress	19.16	m ³ H ₂ O-eq./capita	1.0	● ↓	53.31	Mm ³ H ₂ O-eq. 2018

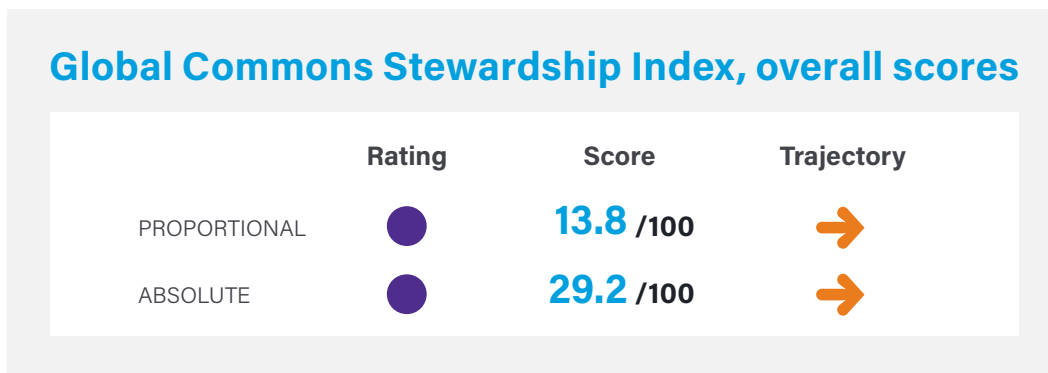
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Saudi Arabia

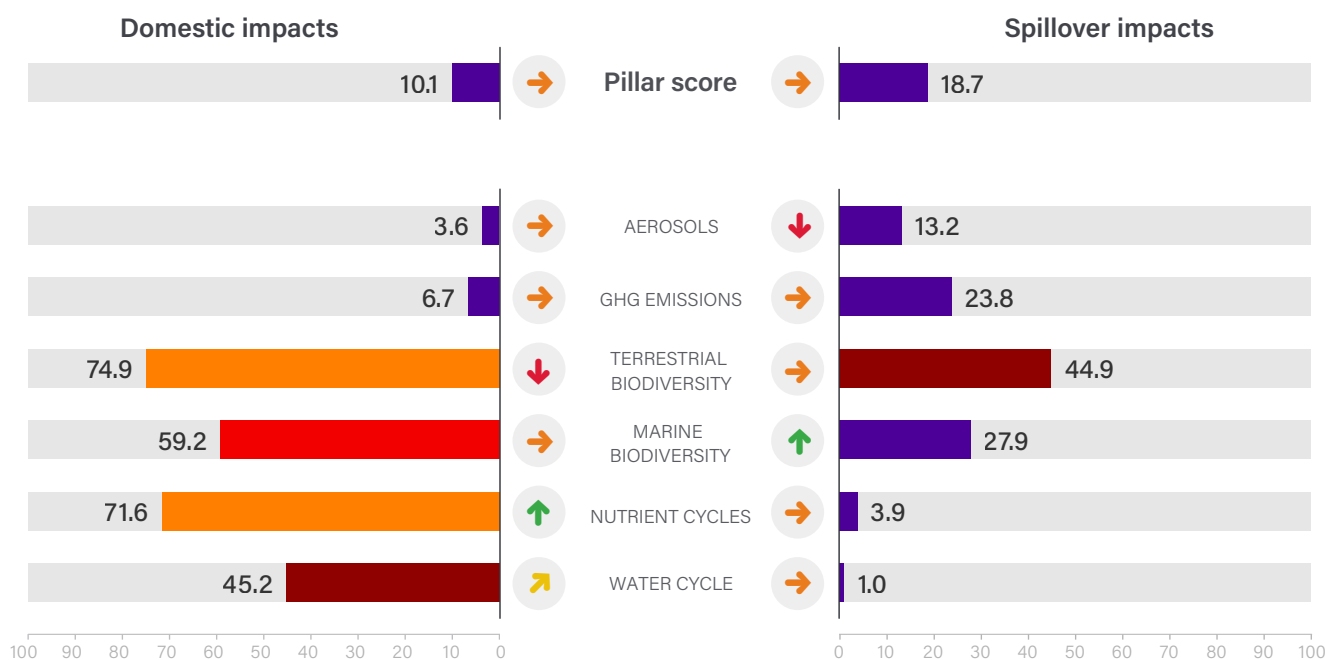
Middle East and North Africa

Land area	2,149,690 sq. km	Population	34.8 million
GDP (PPP, constant 2017 US\$, billions)	\$1,543.2	GDP per capita	\$44,328
Human Development Index (HDI)	0.875	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

95–100	None or limited
90–95	Low
80–90	Medium-low
70–80	Medium-high
50–70	High
30–50	Very high
0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Saudi Arabia

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	92.48	kg/capita	1.0	 	3,116.94	Gg	2018
Spillover SO ₂ emissions	15.99	kg/capita	14.5	 	507.20	Gg	2015
Domestic NO _x emissions	62.21	kg/capita	1.0	 	2,096.79	Gg	2018
Spillover NO _x emissions	1712	kg/capita	12.5	 	542.90	Gg	2015
Domestic black carbon emissions	0.68	kg/capita	47.7	 	22.80	Gg	2018
Spillover black carbon emissions	0.65	kg/capita	12.8	 	20.62	Gg	2015
GHG Emissions							
Domestic GHG emissions	22.01	t CO ₂ e/capita	6.9	 	754.38	Tg	2019
Spillover GHG emissions	6.16	t CO ₂ e/capita	23.8	 	207.65	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	14.33	t CO ₂ e/capita	6.0	 	99.42	Tg	2020
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	21.98	%	80.1	 	21.98	%	2020
Unprotected freshwater biodiversity sites	17.68	%	86.0	 	17.68	%	2020
Domestic land use related biodiversity loss	1.00 × 10 ⁻¹¹	global PDF/capita	86.7	 	3.38 × 10 ⁻⁴	global PDF	2018
Spillover land use related biodiversity loss	1.24 × 10 ⁻¹¹	global PDF/capita	28.8	 	4.18 × 10 ⁻⁴	global PDF	2018
Domestic freshwater biodiversity threats	0.12	spp./million	52.9	 	4.07	species	2018
Spillover freshwater biodiversity threats	0.23	spp./million	23.3	 	7.63	species	2018
Domestic deforestation	NA	%	NA	 	NA	hectares	NA
Spillover deforestation	2.80 × 10 ⁻³	ha/capita	61.0	 	9.45 × 10 ⁴	hectares	2018
Red List Index of species survival	0.90	scale 0 to 1	73.3	 	0.90	scale 0 to 1	2021
Biodiversity Habitat Index	0.58	scale 0 to 1	42.1	 	0.58	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	0.00	WOE/million	100.0	 	0.00	WOE	2019
Spillover endangered terrestrial animals	5.67 × 10 ⁻⁵	WOE/capita	99.3	 	1.94 × 10 ³	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	0.00	WOE/million	100.0	 	0.00	WOE	2019
Spillover endangered marine animals	3.16 × 10 ⁻⁵	WOE/capita	98.0	 	1.08 × 10 ³	WOE	2019
Unprotected marine biodiversity sites	25.31	%	74.9	 	25.31	%	2020
Domestic marine biodiversity threats	1.16	spp./million	27.9	 	39.08	species	2018
Spillover marine biodiversity threats	0.52	spp./million	9.4	 	17.61	species	2018
Fish caught from overexploited or collapsed stocks	15.77	%	74.9	 	15.77	%	2018
Fish caught by trawling	13.76	%	77.7	 	13.76	%	2018
Domestic vulnerable fisheries catch	3.41	tonnes/capita	52.3	 	0.11	Tg	2018
Spillover vulnerable fisheries catch	19.06	tonnes/capita	23.4	 	0.64	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	0.60	scale 0 to 1.4	48.6	 	0.60	scale 0 to 1.4	2015
Domestic nitrogen surplus	0.72	kg/capita	99.3	 	22.84	Gg	2015
Spillover nitrogen surplus	10.42	kg/capita	15.5	 	330.58	Tg	2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	 	NA	kt	NA
Spillover phosphorus fertilizer	9.38	g/capita	1.0	 	316.23	kt	2018
Water Cycle							
Domestic scarce water consumption	2.83	m ³ H ₂ O-eq./capita	50.5	 	95.51	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	26.80	m ³ H ₂ O-eq./capita	56.6	 	521.96	Mm ³ H ₂ O-eq.	2018
Domestic water stress	1.77	ML H ₂ O-eq./capita	29.0	 	59.77	Bm ³ H ₂ O-eq.	2018
Spillover water stress	1.47	m ³ H ₂ O-eq./capita	48.3	 	28.61	Mm ³ H ₂ O-eq.	2018

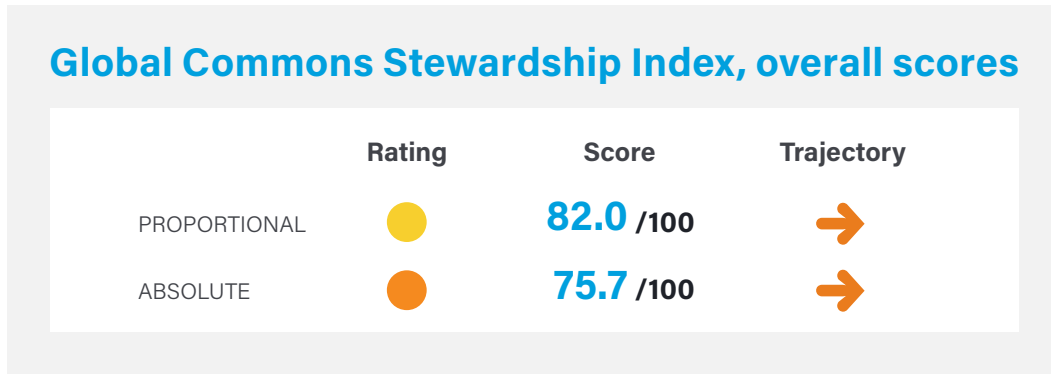
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Senegal

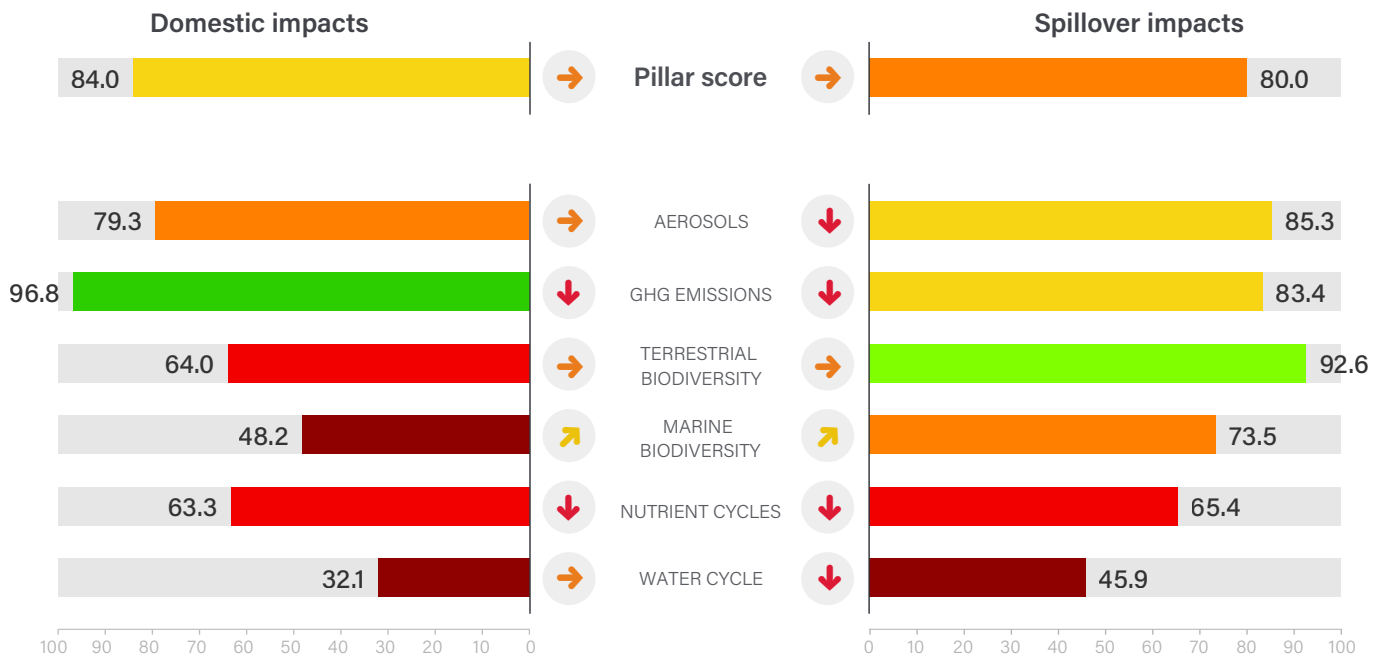
Africa

Land area	192,530 sq. km	Population	16.7 million
GDP (PPP, constant 2017 US\$, billions)	\$55.3	GDP per capita	\$3,300
Human Development Index (HDI)	0.511	HDI category	Low



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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■	50–70	High
■	30–50	Very high
■	0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Senegal

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	4.96	kg/capita	60.0	● ↓	78.62	Gg 2018
Spillover SO ₂ emissions	1.12	kg/capita	87.7	● ↓	16.39	Gg 2015
Domestic NO _x emissions	4.74	kg/capita	100.0	● ↓	75.13	Gg 2018
Spillover NO _x emissions	1.17	kg/capita	83.8	● ↓	17.00	Gg 2015
Domestic black carbon emissions	0.28	kg/capita	83.2	● ↑	4.49	Gg 2018
Spillover black carbon emissions	0.05	kg/capita	84.4	● ↓	0.71	Gg 2015
GHG Emissions						
Domestic GHG emissions	2.13	t CO ₂ e/capita	97.6	● ↓	34.68	Tg 2019
Spillover GHG emissions	0.74	t CO ₂ e/capita	83.4	● ↓	11.66	Tg 2018
CO ₂ emissions embodied in fossil fuel exports	0.00	t CO ₂ e/capita	94.6	● ●	0.00	Tg 2020
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	3783	%	64.0	● ↓	3783	% 2020
Unprotected freshwater biodiversity sites	23.69	%	79.8	● ↓	23.69	% 2020
Domestic land use related biodiversity loss	4.92 × 10 ⁻¹³	global PDF/capita	99.4	● ↗	7.80 × 10 ⁻⁶	global PDF 2018
Spillover land use related biodiversity loss	1.31 × 10 ⁻¹²	global PDF/capita	95.2	● ↑	2.08 × 10 ⁻⁵	global PDF 2018
Domestic freshwater biodiversity threats	0.16	spp./million	49.3	● ●	2.50	species 2018
Spillover freshwater biodiversity threats	0.01	spp./million	79.4	● ●	0.13	species 2018
Domestic deforestation	0.92	%	31.0	● ↓	4.40 × 10 ²	hectares 2020
Spillover deforestation	3.24 × 10 ⁻⁴	ha/capita	97.4	● ↓	5.14 × 10 ³	hectares 2018
Red List Index of species survival	0.94	scale 0 to 1	83.9	● ↓	0.94	scale 0 to 1 2021
Biodiversity Habitat Index	0.32	scale 0 to 1	5.6	● ●	0.32	scale 0 to 1 2020
Domestic export of endangered terrestrial animals	3.20 × 10 ⁻⁵	WOE/million	99.7	● ●	5.22 × 10 ²	WOE 2019
Spillover endangered terrestrial animals	3.11 × 10 ⁻⁷	WOE/capita	100.0	● ●	5.06	WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE 2019
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE 2019
Unprotected marine biodiversity sites	25.26	%	75.0	● ↓	25.26	% 2020
Domestic marine biodiversity threats	0.87	spp./million	31.8	● ●	13.82	species 2018
Spillover marine biodiversity threats	0.02	spp./million	54.0	● ●	0.26	species 2018
Fish caught from overexploited or collapsed stocks	14.39	%	77.1	● ↑	14.39	% 2018
Fish caught by trawling	8.04	%	87.1	● ↑	8.04	% 2018
Domestic vulnerable fisheries catch	65.90	tonnes/capita	13.4	● →	1.04	Tg 2018
Spillover vulnerable fisheries catch	0.95	tonnes/capita	73.5	● ↗	0.02	tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.89	scale 0 to 1.4	23.7	● ↓	0.89	scale 0 to 1.4 2015
Domestic nitrogen surplus	3.29	kg/capita	91.9	● ↓	47.90	Gg 2015
Spillover nitrogen surplus	0.40	kg/capita	77.3	● ↓	5.86	Tg 2015
Domestic phosphorus fertilizer	0.75	kg/capita	100.0	● ↓	11.96	kt 2018
Spillover phosphorus fertilizer	1.56	g/capita	55.4	● ↓	24.79	kt 2018
Water Cycle						
Domestic scarce water consumption	10.04	m ³ H ₂ O-eq./capita	36.3	● →	159.14	Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	10.98	m ³ H ₂ O-eq./capita	79.9	● ↓	1,586.08	Mm ³ H ₂ O-eq. 2018
Domestic water stress	3.73	ML H ₂ O-eq./capita	19.4	● ↓	59.07	Bm ³ H ₂ O-eq. 2018
Spillover water stress	1.50	m ³ H ₂ O-eq./capita	47.7	● ↓	216.83	Mm ³ H ₂ O-eq. 2018

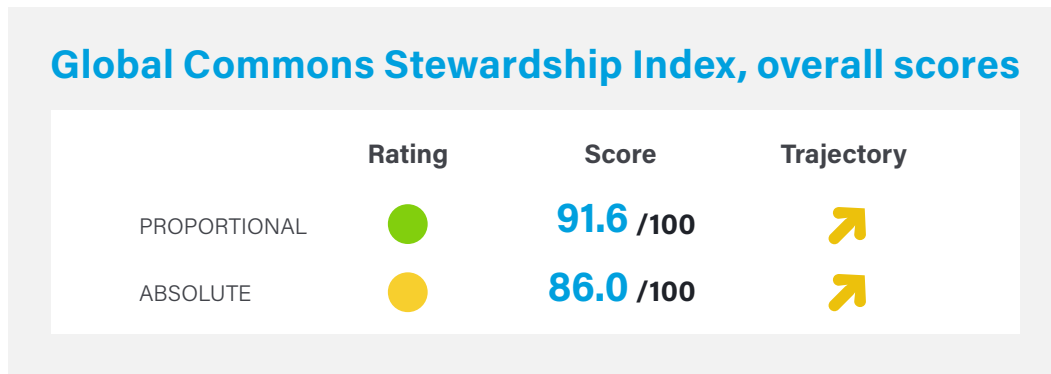
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Sierra Leone

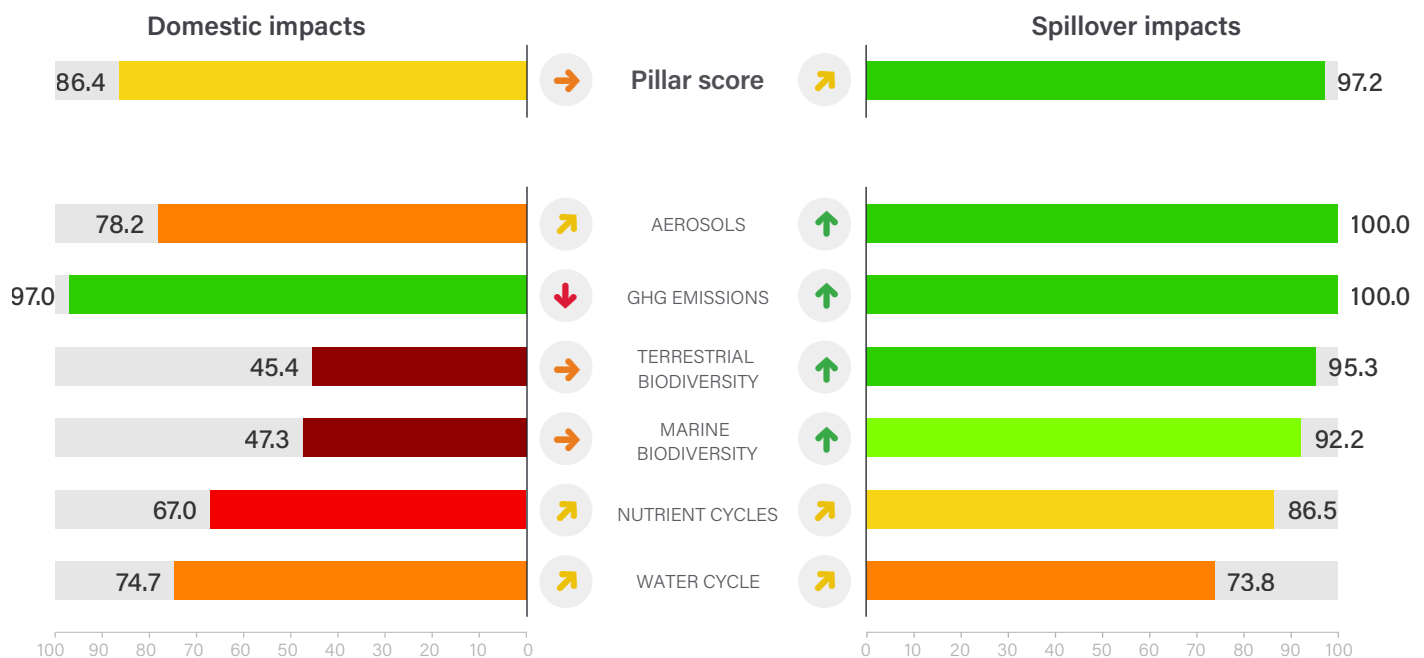
Africa

Land area	72,180 sq. km	Population	8.0 million
GDP (PPP, constant 2017 US\$, billions)	\$13.1	GDP per capita	\$1,648
Human Development Index (HDI)	0.477	HDI category	Low



Impacts by pillar and sub-pillar

Proportional scores and trajectories



The Global Commons Stewardship Index

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Dashboard categories

Negative impacts on the Global Commons

■	95–100	None or limited
■	90–95	Low
■	80–90	Medium-low
■	70–80	Medium-high
■	50–70	High
■	30–50	Very high
■	0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Sierra Leone

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	0.89	kg/capita	99.5	●	↑	6.79 Gg 2018
Spillover SO ₂ emissions	0.56	kg/capita	100.0	●	↑	4.02 Gg 2015
Domestic NO _x emissions	2.11	kg/capita	100.0	●	↑	16.11 Gg 2018
Spillover NO _x emissions	0.59	kg/capita	100.0	●	↑	4.26 Gg 2015
Domestic black carbon emissions	0.67	kg/capita	48.1	●	→	5.14 Gg 2018
Spillover black carbon emissions	0.03	kg/capita	100.0	●	↑	0.19 Gg 2015
GHG Emissions						
Domestic GHG emissions	2.16	t CO ₂ e/capita	97.0	●	↓	16.88 Tg 2019
Spillover GHG emissions	0.28	t CO ₂ e/capita	100.0	●	↑	2.10 Tg 2018
CO ₂ emissions embodied in fossil fuel exports	NA	t CO ₂ e/capita	NA	●	●	NA Tg NA
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	49.17	%	52.5	●	↓	49.17 % 2020
Unprotected freshwater biodiversity sites	51.51	%	51.1	●	↓	51.51 % 2020
Domestic land use related biodiversity loss	2.76 × 10 ⁻¹²	global PDF/capita	96.3	●	→	2.11 × 10 ⁻⁵ global PDF 2018
Spillover land use related biodiversity loss	5.59 × 10 ⁻¹³	global PDF/capita	99.7	●	↑	4.28 × 10 ⁻⁶ global PDF 2018
Domestic freshwater biodiversity threats	2.28	spp./million	12.8	●	●	17.41 species 2018
Spillover freshwater biodiversity threats	0.01	spp./million	83.2	●	●	0.05 species 2018
Domestic deforestation	3.18	%	1.0	●	↓	1.73 × 10 ⁵ hectares 2020
Spillover deforestation	1.79 × 10 ⁻⁴	ha/capita	99.5	●	↑	1.37 × 10 ³ hectares 2018
Red List Index of species survival	0.93	scale 0 to 1	81.9	●	↗	0.93 scale 0 to 1 2021
Biodiversity Habitat Index	0.37	scale 0 to 1	13.0	●	●	0.37 scale 0 to 1 2020
Domestic export of endangered terrestrial animals	0.00	WOE/million	100.0	●	●	0.00 WOE 2019
Spillover endangered terrestrial animals	1.28 × 10 ⁻⁷	WOE/capita	100.0	●	●	1.00 WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	0.00	WOE/million	100.0	●	●	0.00 WOE 2019
Spillover endangered marine animals	0.00	WOE/capita	100.0	●	●	0.00 WOE 2019
Unprotected marine biodiversity sites	33.33	%	67.0	●	↓	33.33 % 2020
Domestic marine biodiversity threats	0.46	spp./million	40.8	●	●	3.49 species 2018
Spillover marine biodiversity threats	0.00	spp./million	84.8	●	●	0.01 species 2018
Fish caught from overexploited or collapsed stocks	2.22	%	96.5	●	↓	2.22 % 2018
Fish caught by trawling	13.30	%	78.4	●	→	13.30 % 2018
Domestic vulnerable fisheries catch	89.36	tonnes/capita	9.4	●	↓	0.68 Tg 2018
Spillover vulnerable fisheries catch	0.30	tonnes/capita	92.5	●	↑	0.00 tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.80	scale 0 to 1.4	31.3	●	→	0.80 scale 0 to 1.4 2015
Domestic nitrogen surplus	1.45	kg/capita	97.2	●	↑	10.38 Gg 2015
Spillover nitrogen surplus	0.21	kg/capita	89.9	●	↓	1.48 Tg 2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	●	●	NA kt NA
Spillover phosphorus fertilizer	0.64	g/capita	83.3	●	↑	4.86 kt 2018
Water Cycle						
Domestic scarce water consumption	0.44	m ³ H ₂ O-eq./capita	71.5	●	↗	3.35 Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	91.90	m ³ H ₂ O-eq./capita	24.6	●	↑	1,130.56 Mm ³ H ₂ O-eq. 2018
Domestic water stress	0.02	ML H ₂ O-eq./capita	88.9	●	↑	0.13 Bm ³ H ₂ O-eq. 2018
Spillover water stress	0.42	m ³ H ₂ O-eq./capita	80.8	●	↗	5.14 Mm ³ H ₂ O-eq. 2018

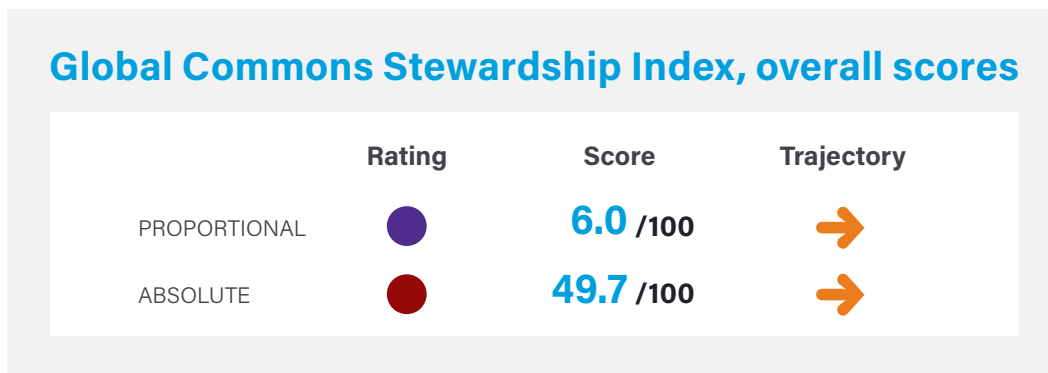
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Singapore

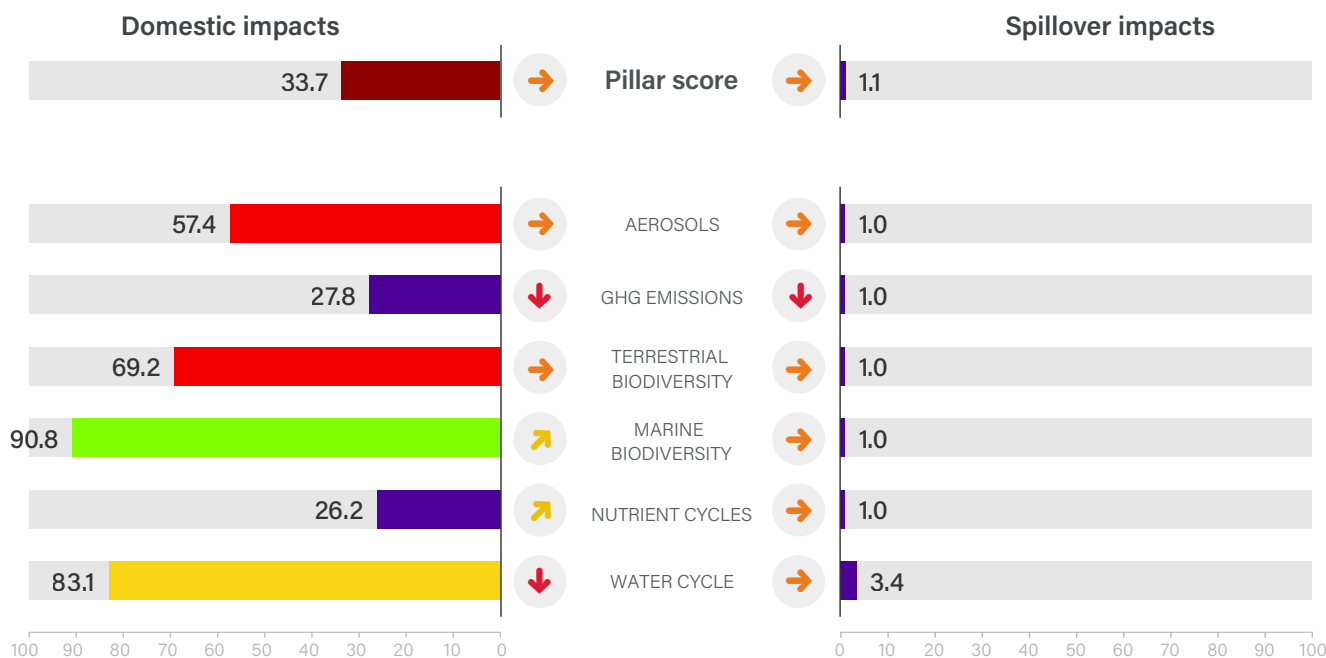
East and South Asia

Land area	709 sq. km	Population	5.7 million
GDP (PPP, constant 2017 US\$, billions)	\$531.0	GDP per capita	\$93,397
Human Development Index (HDI)	0.939	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

	95–100	None or limited
	90–95	Low
	80–90	Medium-low
	70–80	Medium-high
	50–70	High
	30–50	Very high
	0–30	Extreme

Trajectories

Based on 5-year growth rates

	Projected to meet 2050 threshold
	Projected to meet 2030 threshold only
	Insufficient progress toward threshold
	Headed in wrong direction

Singapore

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	12.96	kg/capita	37.9	● ↓	73.10	Gg	2018
Spillover SO ₂ emissions	46.83	kg/capita	1.0	● →	259.19	Gg	2015
Domestic NO _x emissions	23.36	kg/capita	62.2	● ↓	131.73	Gg	2018
Spillover NO _x emissions	51.21	kg/capita	1.0	● →	283.46	Gg	2015
Domestic black carbon emissions	0.32	kg/capita	80.1	● ↗	1.79	Gg	2018
Spillover black carbon emissions	2.25	kg/capita	1.0	● →	12.47	Gg	2015
GHG Emissions							
Domestic GHG emissions	12.85	t CO ₂ e/capita	27.8	● ↓	73.30	Tg	2019
Spillover GHG emissions	24.50	t CO ₂ e/capita	1.0	● ↓	138.15	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	NA	t CO ₂ e/capita	NA	● ●	NA	Tg	NA
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	21.14	%	80.9	● ↓	21.14	%	2020
Unprotected freshwater biodiversity sites	NA	%	NA	● ●	NA	%	NA
Domestic land use related biodiversity loss	8.66 × 10 ⁻¹⁴	global PDF/capita	99.9	● ↗	4.88 × 10 ⁻⁷	global PDF	2018
Spillover land use related biodiversity loss	4.52 × 10 ⁻¹¹	global PDF/capita	1.0	● →	2.55 × 10 ⁻⁴	global PDF	2018
Domestic freshwater biodiversity threats	0.13	spp./million	52.1	● ●	0.74	species	2018
Spillover freshwater biodiversity threats	1.82	spp./million	1.0	● ●	10.45	species	2018
Domestic deforestation	0.94	%	29.8	● ↓	1.93 × 10 ²	hectares	2020
Spillover deforestation	1.35 × 10 ⁻²	ha/capita	1.0	● ↓	7.59 × 10 ⁴	hectares	2018
Red List Index of species survival	0.85	scale 0 to 1	55.9	● ↓	0.85	scale 0 to 1	2021
Biodiversity Habitat Index	0.78	scale 0 to 1	70.6	● ●	0.78	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	9.88 × 10 ⁻⁴	WOE/million	89.7	● ●	5.64 × 10 ³	WOE	2019
Spillover endangered terrestrial animals	3.11 × 10 ⁻²	WOE/capita	1.0	● ●	1.77 × 10 ⁵	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	6.66 × 10 ⁻⁶	WOE/million	99.8	● ●	3.80 × 10	WOE	2019
Spillover endangered marine animals	6.83 × 10 ⁻³	WOE/capita	1.0	● ●	3.90 × 10 ⁴	WOE	2019
Unprotected marine biodiversity sites	3.25	%	96.8	● ↓	3.25	%	2020
Domestic marine biodiversity threats	0.01	spp./million	100.0	● ●	0.04	species	2018
Spillover marine biodiversity threats	3.18	spp./million	1.0	● ●	18.34	species	2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	● ●	NA	%	NA
Fish caught by trawling	0.00	%	100.0	● ●	0.00	%	2018
Domestic vulnerable fisheries catch	0.99	tonnes/capita	68.6	● ↑	0.01	Tg	2018
Spillover vulnerable fisheries catch	90.53	tonnes/capita	1.0	● →	0.51	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	1.13	scale 0 to 1.4	3.2	● ↓	1.13	scale 0 to 1.4	2015
Domestic nitrogen surplus	0.35	kg/capita	100.0	● ↑	1.93	Gg	2015
Spillover nitrogen surplus	35.28	kg/capita	1.0	● ↓	195.28	Tg	2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt	NA
Spillover phosphorus fertilizer	14.38	g/capita	1.0	● →	81.10	kt	2018
Water Cycle							
Domestic scarce water consumption	0.22	m ³ H ₂ O-eq./capita	79.4	● ↓	1.23	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	238.43	m ³ H ₂ O-eq./capita	1.0	● →	8,035.88	Mm ³ H ₂ O-eq.	2018
Domestic water stress	0.00	ML H ₂ O-eq./capita	100.0	● ↓	0.01	Bm ³ H ₂ O-eq.	2018
Spillover water stress	11.26	m ³ H ₂ O-eq./capita	1.0	● ↓	379.66	Mm ³ H ₂ O-eq.	2018

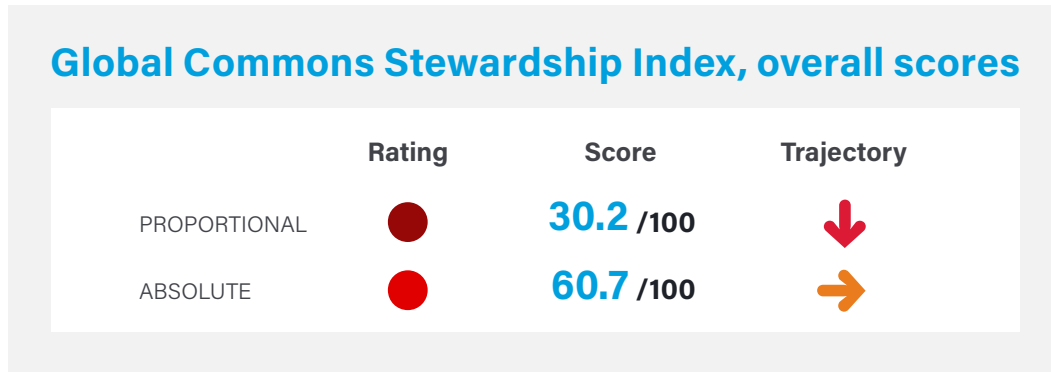
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Slovakia

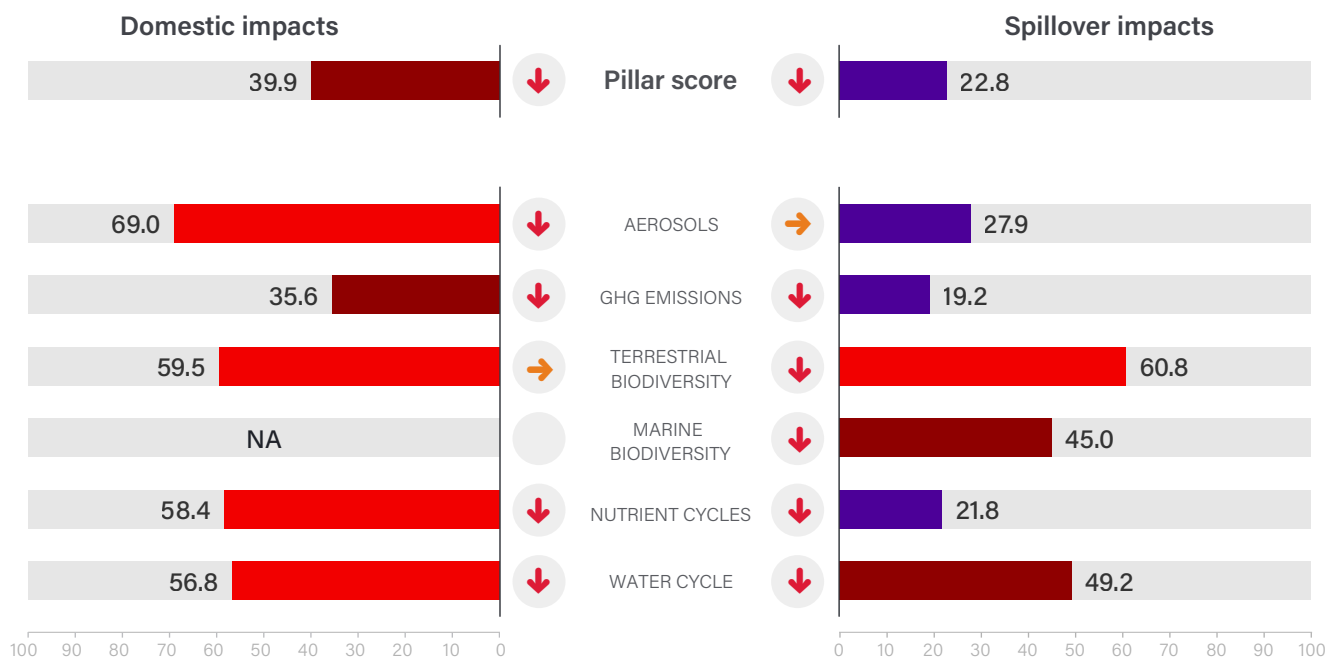
OECD Member

Land area	48,080 sq. km	Population	5.5 million
GDP (PPP, constant 2017 US\$, billions)	\$165.6	GDP per capita	\$30,330
Human Development Index (HDI)	0.848	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories

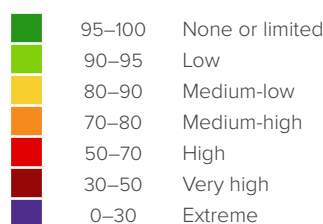


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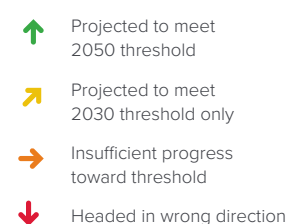
Dashboard categories

Negative impacts on the Global Commons



Trajectories

Based on 5-year growth rates



Slovakia

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	7.86	kg/capita	49.4	● ↓	42.83	Gg 2018
Spillover SO ₂ emissions	9.39	kg/capita	29.1	● →	50.92	Gg 2015
Domestic NO _x emissions	13.73	kg/capita	81.9	● ↓	74.76	Gg 2018
Spillover NO _x emissions	10.95	kg/capita	24.3	● →	59.40	Gg 2015
Domestic black carbon emissions	0.30	kg/capita	81.4	● ↓	1.65	Gg 2018
Spillover black carbon emissions	0.34	kg/capita	30.5	● ↓	1.86	Gg 2015
GHG Emissions						
Domestic GHG emissions	9.86	t CO ₂ e/capita	38.1	● ↓	53.78	Tg 2019
Spillover GHG emissions	7.25	t CO ₂ e/capita	19.2	● ↓	39.47	Tg 2018
CO ₂ emissions embodied in fossil fuel exports	0.09	t CO ₂ e/capita	29.2	● ●	0.49	Tg 2020
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	85.78	%	15.4	● ↓	85.78	% 2020
Unprotected freshwater biodiversity sites	86.27	%	15.2	● ↓	86.27	% 2020
Domestic land use related biodiversity loss	4.87 × 10 ⁻¹²	global PDF/capita	93.5	● →	2.65 × 10 ⁻⁵	global PDF 2018
Spillover land use related biodiversity loss	3.69 × 10 ⁻¹²	global PDF/capita	81.0	● ↓	2.01 × 10 ⁻⁵	global PDF 2018
Domestic freshwater biodiversity threats	0.27	spp./million	42.0	● ●	1.47	species 2018
Spillover freshwater biodiversity threats	0.23	spp./million	22.7	● ●	1.27	species 2018
Domestic deforestation	0.56	%	58.2	● ↓	1.32 × 10 ⁴	hectares 2020
Spillover deforestation	1.87 × 10 ⁻³	ha/capita	74.7	● ↓	1.02 × 10 ⁴	hectares 2018
Red List Index of species survival	0.95	scale 0 to 1	88.8	● ↗	0.95	scale 0 to 1 2021
Biodiversity Habitat Index	0.36	scale 0 to 1	10.4	● ●	0.36	scale 0 to 1 2020
Domestic export of endangered terrestrial animals	0.00	WOE/million	100.0	● ●	0.00	WOE 2019
Spillover endangered terrestrial animals	2.16 × 10 ⁻⁵	WOE/capita	99.7	● ●	1.18 × 10 ²	WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	NA	WOE/million	NA	● ●	NA	WOE NA
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE 2019
Unprotected marine biodiversity sites	NA	%	NA	● ●	NA	% NA
Domestic marine biodiversity threats	NA	spp./million	NA	● ●	NA	species NA
Spillover marine biodiversity threats	0.12	spp./million	28.2	● ●	0.66	species 2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	● ●	NA	% NA
Fish caught by trawling	NA	%	NA	● ●	NA	% NA
Domestic vulnerable fisheries catch	NA	tonnes/capita	NA	● ●	NA	Tg NA
Spillover vulnerable fisheries catch	11.21	tonnes/capita	32.3	● ↓	0.06	tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.45	scale 0 to 1.4	61.8	● ↓	0.45	scale 0 to 1.4 2015
Domestic nitrogen surplus	12.25	kg/capita	66.1	● ↓	66.43	Gg 2015
Spillover nitrogen surplus	11.07	kg/capita	14.3	● ↓	60.04	Tg 2015
Domestic phosphorus fertilizer	4.71	kg/capita	51.0	● ↓	25.67	kt 2018
Spillover phosphorus fertilizer	3.20	g/capita	33.2	● ↓	17.43	kt 2018
Water Cycle						
Domestic scarce water consumption	1.98	m ³ H ₂ O-eq./capita	54.6	● ↓	10.78	Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	40.07	m ³ H ₂ O-eq./capita	46.2	● ↓	635.29	Mm ³ H ₂ O-eq. 2018
Domestic water stress	0.10	ML H ₂ O-eq./capita	66.5	● ↓	0.53	Bm ³ H ₂ O-eq. 2018
Spillover water stress	1.63	m ³ H ₂ O-eq./capita	45.5	● ↓	25.89	Mm ³ H ₂ O-eq. 2018

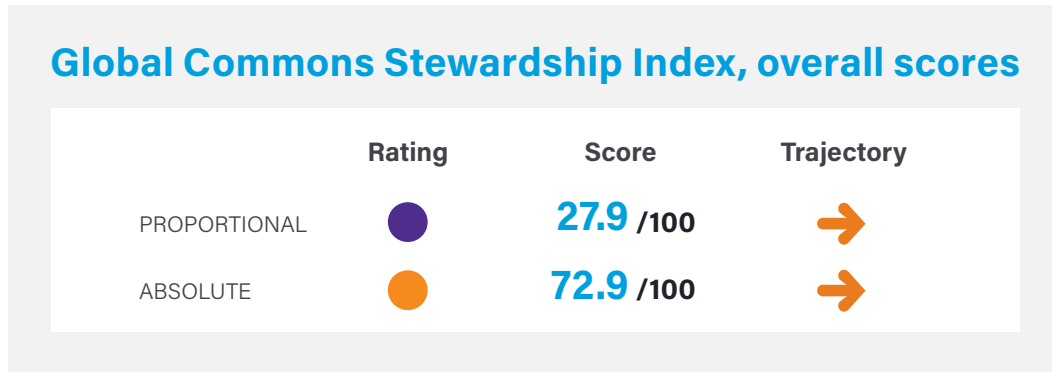
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Slovenia

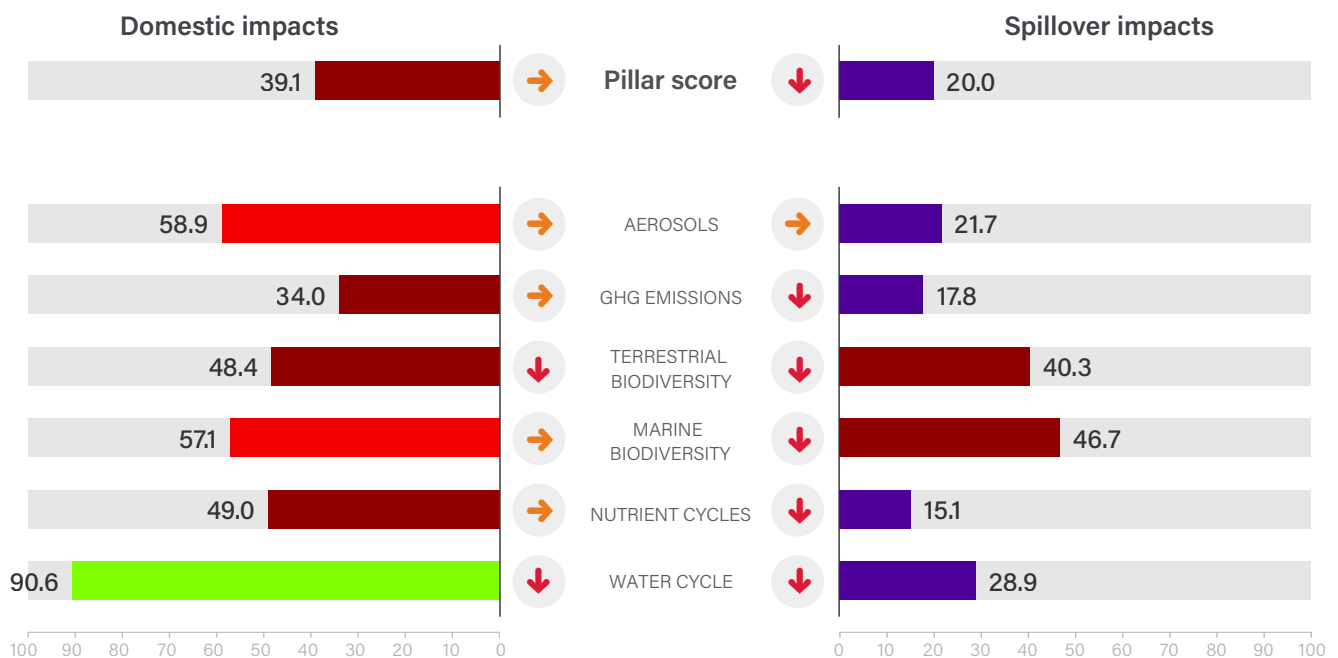
OECD Member

Land area	20,136 sq. km	Population	2.1 million
GDP (PPP, constant 2017 US\$, billions)	\$77.9	GDP per capita	\$37,091
Human Development Index (HDI)	0.918	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories

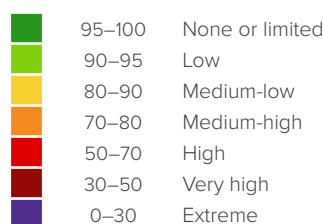


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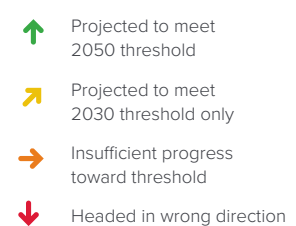
Dashboard categories

Negative impacts on the Global Commons



Trajectories

Based on 5-year growth rates



Slovenia

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	6.93	kg/capita	52.3	● ↓	14.37	Gg 2018
Spillover SO ₂ emissions	14.30	kg/capita	17.5	● →	29.50	Gg 2015
Domestic NO _x emissions	14.23	kg/capita	80.9	● →	29.52	Gg 2018
Spillover NO _x emissions	11.88	kg/capita	22.2	● →	24.52	Gg 2015
Domestic black carbon emissions	0.67	kg/capita	48.3	● ↓	1.39	Gg 2018
Spillover black carbon emissions	0.40	kg/capita	26.3	● →	0.83	Gg 2015
GHG Emissions						
Domestic GHG emissions	11.17	t CO ₂ e/capita	33.3	● →	23.33	Tg 2019
Spillover GHG emissions	7.62	t CO ₂ e/capita	17.8	● ↓	15.81	Tg 2018
CO ₂ emissions embodied in fossil fuel exports	0.02	t CO ₂ e/capita	36.4	● ●	0.04	Tg 2020
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	73.55	%	27.8	● ↓	73.55	% 2020
Unprotected freshwater biodiversity sites	83.98	%	17.6	● ↓	83.98	% 2020
Domestic land use related biodiversity loss	3.68 × 10 ⁻¹²	global PDF/capita	95.1	● →	7.64 × 10 ⁻⁶	global PDF 2018
Spillover land use related biodiversity loss	7.68 × 10 ⁻¹²	global PDF/capita	57.1	● ↓	1.59 × 10 ⁻⁵	global PDF 2018
Domestic freshwater biodiversity threats	9.16	spp./million	1.0	● ●	19.03	species 2018
Spillover freshwater biodiversity threats	0.56	spp./million	7.9	● ●	1.17	species 2018
Domestic deforestation	0.40	%	69.7	● ↓	5.10 × 10 ³	hectares 2020
Spillover deforestation	2.94 × 10 ⁻³	ha/capita	58.9	● ↓	6.11 × 10 ³	hectares 2018
Red List Index of species survival	0.93	scale 0 to 1	81.4	● ↓	0.93	scale 0 to 1 2021
Biodiversity Habitat Index	0.42	scale 0 to 1	18.7	● ●	0.42	scale 0 to 1 2020
Domestic export of endangered terrestrial animals	4.79 × 10 ⁻⁷	WOE/million	100.0	● ●	1.00	WOE 2019
Spillover endangered terrestrial animals	7.69 × 10 ⁻⁵	WOE/capita	99.1	● ●	1.61 × 10 ²	WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE 2019
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE 2019
Unprotected marine biodiversity sites	62.38	%	38.2	● ↓	62.38	% 2020
Domestic marine biodiversity threats	0.03	spp./million	77.9	● ●	0.06	species 2018
Spillover marine biodiversity threats	0.08	spp./million	34.2	● ●	0.16	species 2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	● ●	NA	% NA
Fish caught by trawling	41.85	%	31.6	● ↓	41.85	% 2018
Domestic vulnerable fisheries catch	0.11	tonnes/capita	97.4	● ↑	0.00	Tg 2018
Spillover vulnerable fisheries catch	13.01	tonnes/capita	29.8	● ↓	0.03	tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.73	scale 0 to 1.4	37.8	● →	0.73	scale 0 to 1.4 2015
Domestic nitrogen surplus	15.26	kg/capita	57.4	● ↓	31.49	Gg 2015
Spillover nitrogen surplus	11.75	kg/capita	13.2	● →	24.24	Tg 2015
Domestic phosphorus fertilizer	4.40	kg/capita	52.8	● →	9.13	kt 2018
Spillover phosphorus fertilizer	5.34	g/capita	17.3	● ↓	11.08	kt 2018
Water Cycle						
Domestic scarce water consumption	0.07	m ³ H ₂ O-eq./capita	91.6	● ↓	0.15	Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	215.81	m ³ H ₂ O-eq./capita	2.3	● ↓	1,216.86	Mm ³ H ₂ O-eq. 2018
Domestic water stress	0.02	ML H ₂ O-eq./capita	86.8	● ↓	0.04	Bm ³ H ₂ O-eq. 2018
Spillover water stress	7.82	m ³ H ₂ O-eq./capita	5.0	● ↓	44.11	Mm ³ H ₂ O-eq. 2018

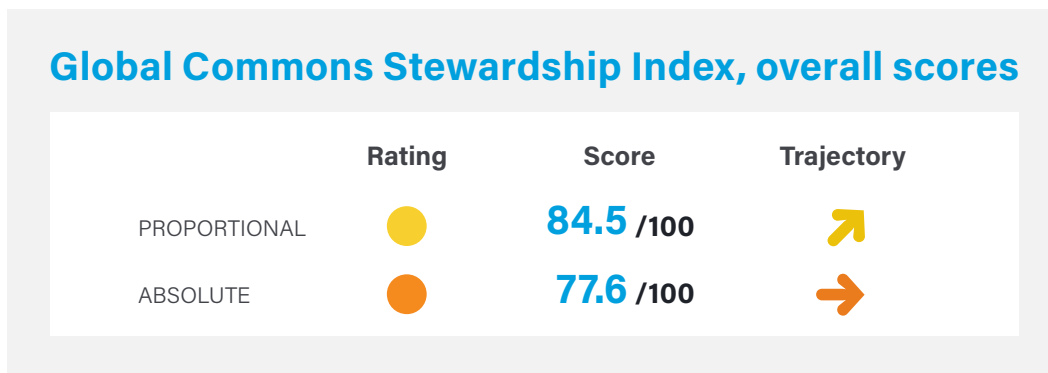
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Somalia

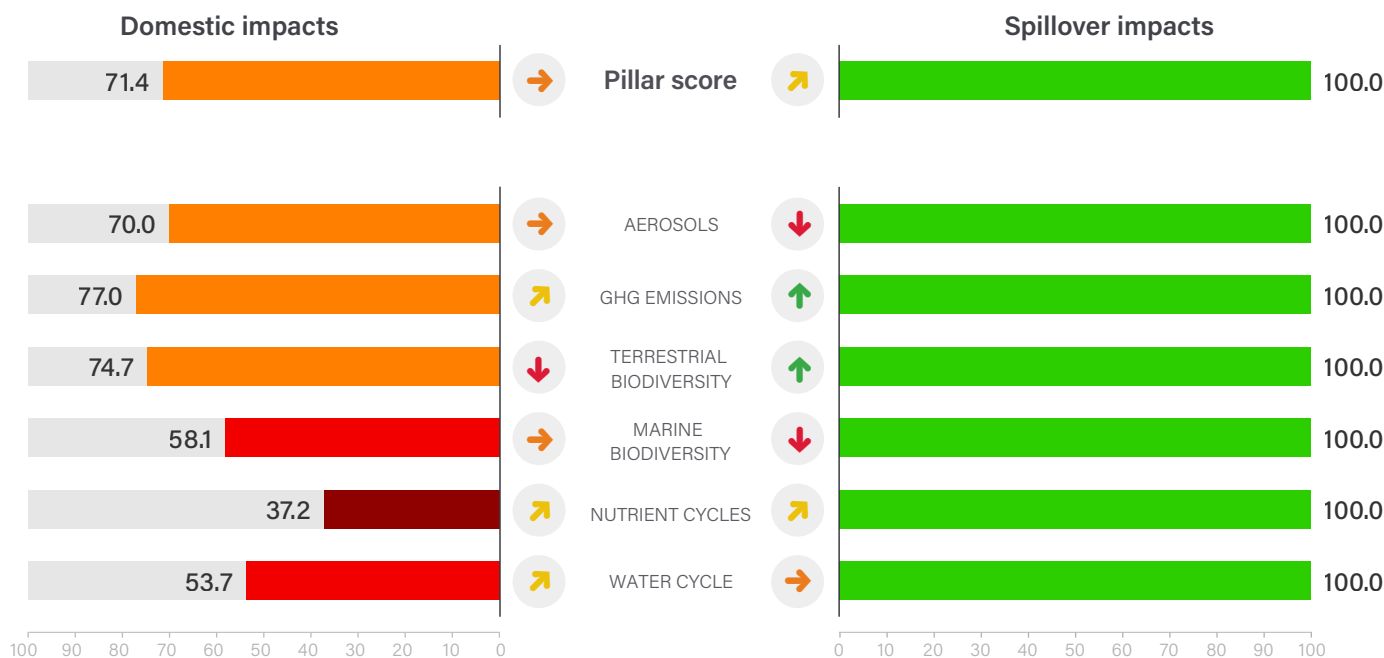
Africa

Land area	627,340 sq. km	Population	15.9 million
GDP (PPP, constant 2017 US\$, billions)	\$23.0	GDP per capita	\$1,444
Human Development Index (HDI)	NA	HDI category	Low



Impacts by pillar and sub-pillar

Proportional scores and trajectories



The Global Commons Stewardship Index

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Dashboard categories

Negative impacts on the Global Commons

■	95–100	None or limited
■	90–95	Low
■	80–90	Medium-low
■	70–80	Medium-high
■	50–70	High
■	30–50	Very high
■	0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Somalia

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	0.69	kg/capita	100.0	● ↓	10.34	Gg 2018
Spillover SO ₂ emissions	0.00	kg/capita	100.0	● ↓	0.05	Gg 2015
Domestic NO _x emissions	1.75	kg/capita	100.0	● ↑	26.20	Gg 2018
Spillover NO _x emissions	0.01	kg/capita	100.0	● ↓	0.11	Gg 2015
Domestic black carbon emissions	0.82	kg/capita	34.3	● ↓	12.37	Gg 2018
Spillover black carbon emissions	0.00	kg/capita	100.0	● ↓	0.00	Gg 2015
GHG Emissions						
Domestic GHG emissions	3.62	t CO ₂ e/capita	77.0	● ↗	55.95	Tg 2019
Spillover GHG emissions	0.00	t CO ₂ e/capita	100.0	● ↑	0.05	Tg 2018
CO ₂ emissions embodied in fossil fuel exports	NA	t CO ₂ e/capita	NA	● ●	NA	Tg NA
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	0.00	%	100.0	● ●	0.00	% 2020
Unprotected freshwater biodiversity sites	0.00	%	100.0	● ●	0.00	% 2020
Domestic land use related biodiversity loss	4.54 × 10 ⁻¹²	global PDF/capita	94.0	● →	6.81 × 10 ⁻⁵	global PDF 2018
Spillover land use related biodiversity loss	9.97 × 10 ⁻¹⁵	global PDF/capita	100.0	● ↑	1.50 × 10 ⁻⁷	global PDF 2018
Domestic freshwater biodiversity threats	0.18	spp./million	47.2	● ●	2.78	species 2018
Spillover freshwater biodiversity threats	0.00	spp./million	100.0	● ●	0.00	species 2018
Domestic deforestation	0.12	%	91.1	● ↓	1.73 × 10 ²	hectares 2020
Spillover deforestation	1.45 × 10 ⁻⁶	ha/capita	100.0	● ↑	2.18 × 10	hectares 2018
Red List Index of species survival	0.90	scale 0 to 1	71.4	● ↓	0.90	scale 0 to 1 2021
Biodiversity Habitat Index	0.45	scale 0 to 1	23.3	● ●	0.45	scale 0 to 1 2020
Domestic export of endangered terrestrial animals	3.24 × 10 ⁻⁸	WOE/million	100.0	● ●	5.00 × 10 ⁻¹	WOE 2019
Spillover endangered terrestrial animals	0.00	WOE/capita	100.0	● ●	0.00	WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE 2019
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE 2019
Unprotected marine biodiversity sites	0.00	%	100.0	● ●	0.00	% 2020
Domestic marine biodiversity threats	1.89	spp./million	21.1	● ●	28.44	species 2018
Spillover marine biodiversity threats	0.00	spp./million	100.0	● ●	0.00	species 2018
Fish caught from overexploited or collapsed stocks	13.97	%	77.7	● →	13.97	% 2018
Fish caught by trawling	0.00	%	100.0	● ●	0.00	% 2018
Domestic vulnerable fisheries catch	12.59	tonnes/capita	35.1	● →	0.19	Tg 2018
Spillover vulnerable fisheries catch	0.01	tonnes/capita	100.0	● ↓	0.00	tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	1.11	scale 0 to 1.4	4.4	● →	1.11	scale 0 to 1.4 2015
Domestic nitrogen surplus	0.97	kg/capita	98.6	● ↑	13.36	Gg 2015
Spillover nitrogen surplus	0.02	kg/capita	100.0	● ↑	0.24	Tg 2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt NA
Spillover phosphorus fertilizer	0.01	g/capita	100.0	● ↓	0.13	kt 2018
Water Cycle						
Domestic scarce water consumption	1.63	m ³ H ₂ O-eq./capita	56.7	● ↗	24.52	Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	12.78	m ³ H ₂ O-eq./capita	75.9	● ↑	97.76	Mm ³ H ₂ O-eq. 2018
Domestic water stress	0.58	ML H ₂ O-eq./capita	43.3	● ↗	8.76	Bm ³ H ₂ O-eq. 2018
Spillover water stress	0.59	m ³ H ₂ O-eq./capita	71.7	● ↓	4.54	Mm ³ H ₂ O-eq. 2018

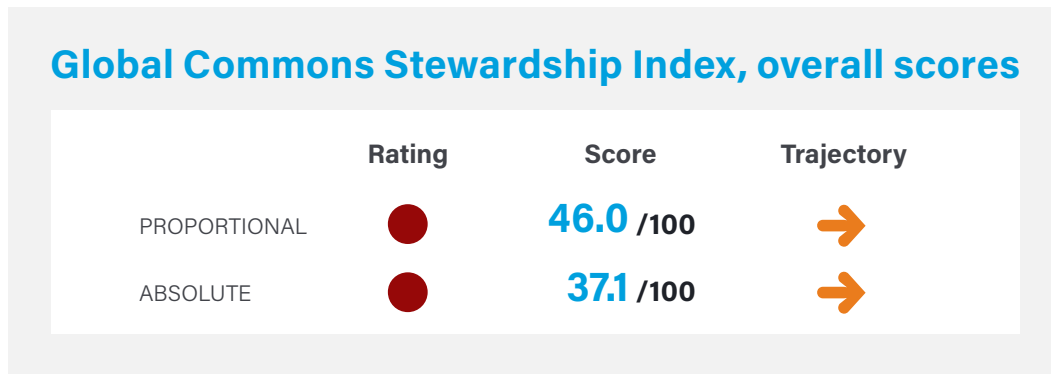
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

South Africa

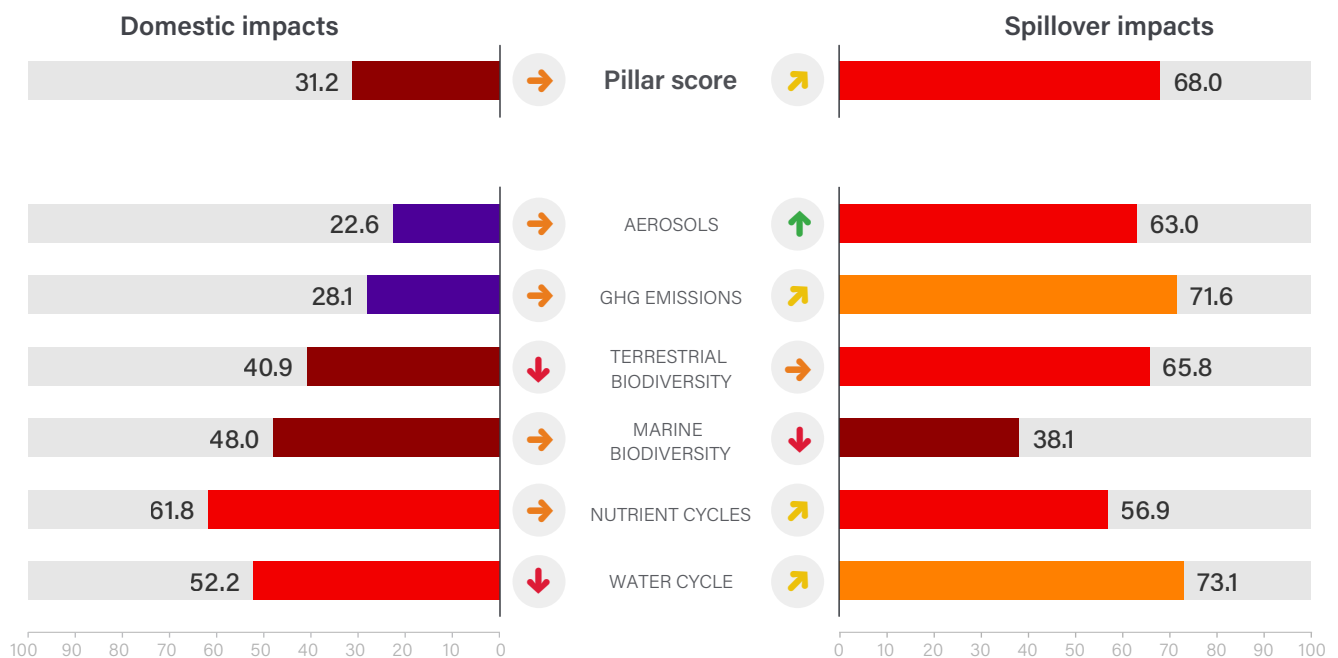
Africa

Land area	1,213,090 sq. km	Population	59.3 million
GDP (PPP, constant 2017 US\$, billions)	\$680.0	GDP per capita	\$11,466
Human Development Index (HDI)	0.713	HDI category	High



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

95–100	None or limited
90–95	Low
80–90	Medium-low
70–80	Medium-high
50–70	High
30–50	Very high
0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

South Africa

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	48.76	kg/capita	7.4			2,818.09 Gg
Spillover SO ₂ emissions	2.47	kg/capita	66.0			136.61 Gg
Domestic NO _x emissions	33.24	kg/capita	42.0			1,920.81 Gg
Spillover NO _x emissions	2.48	kg/capita	63.8			137.34 Gg
Domestic black carbon emissions	0.79	kg/capita	37.2			45.81 Gg
Spillover black carbon emissions	0.12	kg/capita	59.4			6.69 Gg
GHG Emissions						
Domestic GHG emissions	10.99	t CO ₂ e/capita	33.9			643.35 Tg
Spillover GHG emissions	1.12	t CO ₂ e/capita	71.6			64.66 Tg
CO ₂ emissions embodied in fossil fuel exports	1.64	t CO ₂ e/capita	15.9			97.43 Tg
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	33.08	%	68.8			33.08 %
Unprotected freshwater biodiversity sites	36.53	%	66.6			36.53 %
Domestic land use related biodiversity loss	2.27 × 10 ⁻¹¹	global PDF/capita	69.8			1.31 × 10 ⁻³ global PDF
Spillover land use related biodiversity loss	1.63 × 10 ⁻¹²	global PDF/capita	93.3			9.42 × 10 ⁻⁵ global PDF
Domestic freshwater biodiversity threats	1.04	spp./million	23.6			59.87 species
Spillover freshwater biodiversity threats	0.20	spp./million	25.5			11.44 species
Domestic deforestation	1.20	%	9.6			6.36 × 10 ⁴ hectares
Spillover deforestation	3.88 × 10 ⁻⁴	ha/capita	96.4			2.24 × 10 ⁴ hectares
Red List Index of species survival	0.77	scale 0 to 1	32.7			0.77 scale 0 to 1
Biodiversity Habitat Index	0.41	scale 0 to 1	18.2			0.41 scale 0 to 1
Domestic export of endangered terrestrial animals	1.16 × 10 ⁻⁴	WOE/million	98.8			6.80 × 10 ³ WOE
Spillover endangered terrestrial animals	1.56 × 10 ⁻³	WOE/capita	81.7			9.14 × 10 ⁴ WOE
Marine Biodiversity Loss						
Domestic export of endangered marine animals	8.38 × 10 ⁻⁶	WOE/million	99.7			4.91 × 10 ² WOE
Spillover endangered marine animals	1.04 × 10 ⁻³	WOE/capita	33.5			6.09 × 10 ⁴ WOE
Unprotected marine biodiversity sites	46.57	%	53.9			46.57 %
Domestic marine biodiversity threats	1.39	spp./million	25.3			80.51 species
Spillover marine biodiversity threats	0.08	spp./million	33.5			4.65 species
Fish caught from overexploited or collapsed stocks	20.78	%	66.9			20.78 %
Fish caught by trawling	23.10	%	62.3			23.10 %
Domestic vulnerable fisheries catch	11.06	tonnes/capita	36.8			0.64 Tg
Spillover vulnerable fisheries catch	4.00	tonnes/capita	49.5			0.23 tonnes
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.55	scale 0 to 1.4	53.5			0.55 scale 0 to 1.4
Domestic nitrogen surplus	5.13	kg/capita	86.6			283.87 Gg
Spillover nitrogen surplus	2.42	kg/capita	43.2			134.04 Tg
Domestic phosphorus fertilizer	4.31	kg/capita	53.4			248.90 kt
Spillover phosphorus fertilizer	0.83	g/capita	75.0			48.05 kt
Water Cycle						
Domestic scarce water consumption	1.35	m ³ H ₂ O-eq./capita	58.9			77.80 Mm ³ H ₂ O-eq.
Spillover scarce water consumption	21.88	m ³ H ₂ O-eq./capita	61.9			140.50 Mm ³ H ₂ O-eq.
Domestic water stress	1.39	ML H ₂ O-eq./capita	32.1			80.30 Bm ³ H ₂ O-eq.
Spillover water stress	1.07	m ³ H ₂ O-eq./capita	56.4			6.88 Mm ³ H ₂ O-eq.

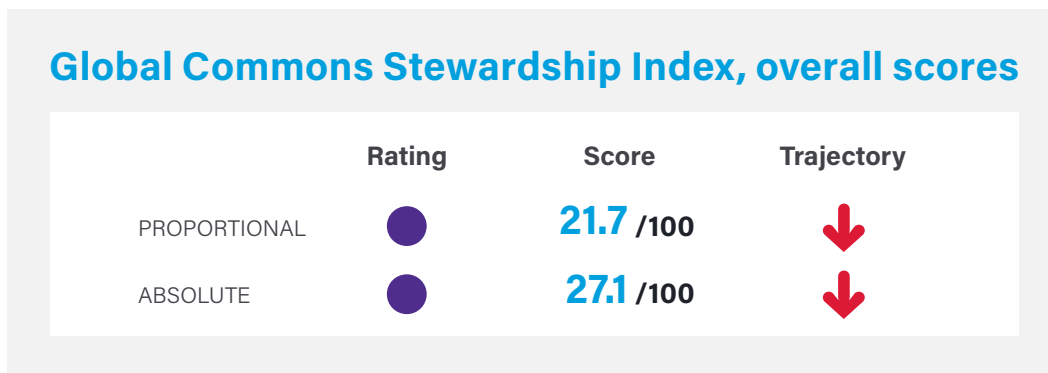
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

South Korea

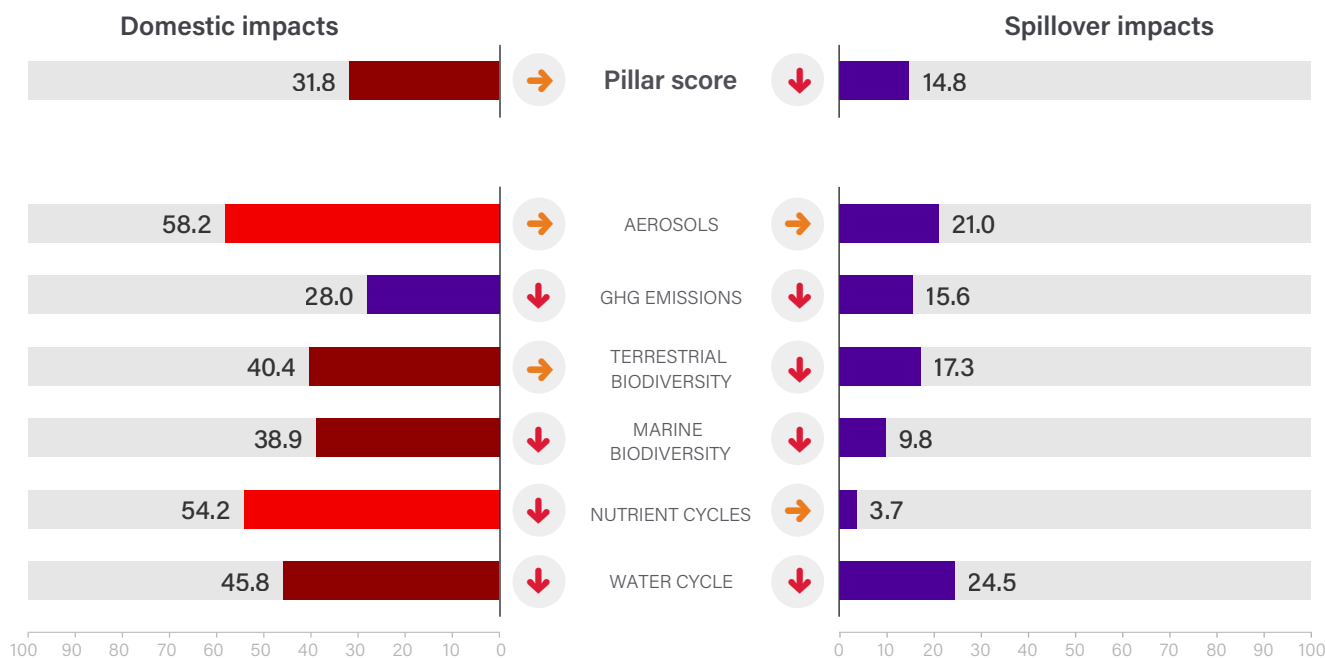
OECD Member

Land area	97,520 sq. km	Population	51.8 million
GDP (PPP, constant 2017 US\$, billions)	\$2,187.8	GDP per capita	\$42,251
Human Development Index (HDI)	0.925	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

95–100	None or limited
90–95	Low
80–90	Medium-low
70–80	Medium-high
50–70	High
30–50	Very high
0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

South Korea

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	13.89	kg/capita	36.3	● →	716.73	Gg 2018
Spillover SO ₂ emissions	12.49	kg/capita	21.3	● →	636.97	Gg 2015
Domestic NO _x emissions	22.73	kg/capita	63.5	● ↓	1,173.19	Gg 2018
Spillover NO _x emissions	11.85	kg/capita	22.2	● ↓	604.63	Gg 2015
Domestic black carbon emissions	0.26	kg/capita	85.4	● ↗	13.36	Gg 2018
Spillover black carbon emissions	0.51	kg/capita	19.6	● →	25.99	Gg 2015
GHG Emissions						
Domestic GHG emissions	14.43	t CO ₂ e/capita	23.3	● ↓	746.10	Tg 2019
Spillover GHG emissions	8.26	t CO ₂ e/capita	15.6	● ↓	426.07	Tg 2018
CO ₂ emissions embodied in fossil fuel exports	0.00	t CO ₂ e/capita	48.2	● ●	0.07	Tg 2020
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	37.57	%	64.3	● ↓	37.57	% 2020
Unprotected freshwater biodiversity sites	36.83	%	66.3	● ↓	36.83	% 2020
Domestic land use related biodiversity loss	5.91 × 10 ⁻¹³	global PDF/capita	99.2	● ↗	3.05 × 10 ⁻⁵	global PDF 2018
Spillover land use related biodiversity loss	1.70 × 10 ⁻¹¹	global PDF/capita	1.0	● ↓	8.79 × 10 ⁻⁴	global PDF 2018
Domestic freshwater biodiversity threats	0.03	spp./million	73.6	● ●	1.30	species 2018
Spillover freshwater biodiversity threats	0.35	spp./million	16.0	● ●	17.80	species 2018
Domestic deforestation	0.40	%	69.8	● ↓	2.05 × 10 ⁴	hectares 2020
Spillover deforestation	2.77 × 10 ⁻³	ha/capita	61.5	● ↓	1.43 × 10 ⁵	hectares 2018
Red List Index of species survival	0.70	scale 0 to 1	10.1	● ↓	0.70	scale 0 to 1 2021
Biodiversity Habitat Index	0.42	scale 0 to 1	18.9	● ●	0.42	scale 0 to 1 2020
Domestic export of endangered terrestrial animals	3.87 × 10 ⁻⁸	WOE/million	100.0	● ●	2.00	WOE 2019
Spillover endangered terrestrial animals	8.45 × 10 ⁻⁴	WOE/capita	90.1	● ●	4.37 × 10 ⁴	WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE 2019
Spillover endangered marine animals	3.42 × 10 ⁻⁴	WOE/capita	78.1	● ●	1.77 × 10 ⁴	WOE 2019
Unprotected marine biodiversity sites	38.68	%	61.7	● ↓	38.68	% 2020
Domestic marine biodiversity threats	0.21	spp./million	51.3	● ●	10.94	species 2018
Spillover marine biodiversity threats	0.43	spp./million	11.9	● ●	22.06	species 2018
Fish caught from overexploited or collapsed stocks	42.18	%	32.7	● ↓	42.18	% 2018
Fish caught by trawling	33.71	%	44.9	● ↓	33.71	% 2018
Domestic vulnerable fisheries catch	58.29	tonnes/capita	15.0	● →	3.01	Tg 2018
Spillover vulnerable fisheries catch	91.86	tonnes/capita	1.0	● ↓	4.74	tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.64	scale 0 to 1.4	44.9	● ↓	0.64	scale 0 to 1.4 2015
Domestic nitrogen surplus	5.18	kg/capita	86.5	● ↓	264.20	Gg 2015
Spillover nitrogen surplus	11.51	kg/capita	13.6	● ↓	587.42	Tg 2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt NA
Spillover phosphorus fertilizer	9.06	g/capita	1.0	● →	467.55	kt 2018
Water Cycle						
Domestic scarce water consumption	6.93	m ³ H ₂ O-eq./capita	40.5	● ↓	357.50	Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	290.61	m ³ H ₂ O-eq./capita	1.0	● ↓	14,935.24	Mm ³ H ₂ O-eq. 2018
Domestic water stress	0.05	ML H ₂ O-eq./capita	74.7	● ↓	2.65	Bm ³ H ₂ O-eq. 2018
Spillover water stress	1.14	m ³ H ₂ O-eq./capita	54.8	● ↓	58.77	Mm ³ H ₂ O-eq. 2018

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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Spain

OECD Member

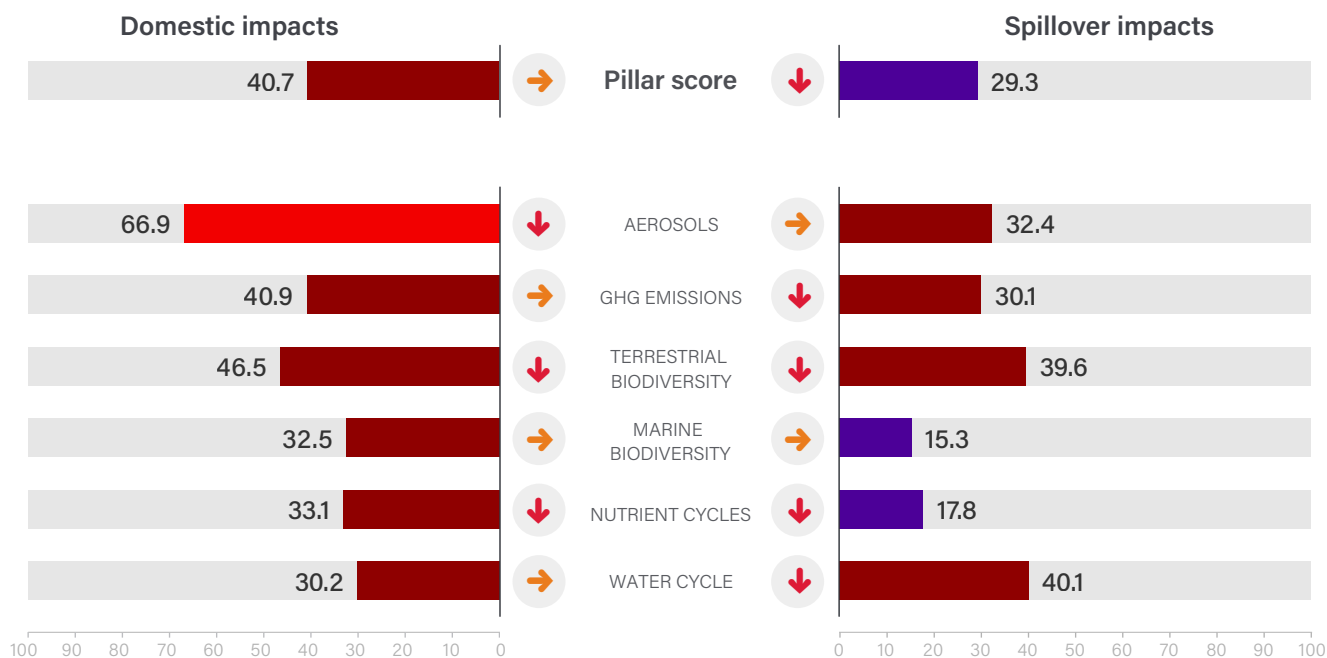
Land area	499,603 sq. km	Population	47.4 million
GDP (PPP, constant 2017 US\$, billions)	\$1,715.1	GDP per capita	\$36,220
Human Development Index (HDI)	0.905	HDI category	Very high

Global Commons Stewardship Index, overall scores

	Rating	Score	Trajectory
PROPORTIONAL	●	34.5 /100	→
ABSOLUTE	●	33.6 /100	↓

Impacts by pillar and sub-pillar

Proportional scores and trajectories



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95–100	None or limited
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80–90	Medium-low
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Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Spain

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	7.72	kg/capita	49.8	● ↓	361.24	Gg 2018
Spillover SO ₂ emissions	7.37	kg/capita	35.8	● →	342.08	Gg 2015
Domestic NO _x emissions	16.69	kg/capita	75.9	● ↓	781.13	Gg 2018
Spillover NO _x emissions	8.72	kg/capita	30.4	● →	405.12	Gg 2015
Domestic black carbon emissions	0.33	kg/capita	79.4	● ↓	15.25	Gg 2018
Spillover black carbon emissions	0.33	kg/capita	31.3	● →	15.48	Gg 2015
GHG Emissions						
Domestic GHG emissions	8.01	t CO ₂ e/capita	46.2	● →	377.40	Tg 2019
Spillover GHG emissions	4.91	t CO ₂ e/capita	30.1	● ↓	229.84	Tg 2018
CO ₂ emissions embodied in fossil fuel exports	0.11	t CO ₂ e/capita	28.4	● ●	4.98	Tg 2021
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	57.60	%	44.0	● ↓	57.60	% 2020
Unprotected freshwater biodiversity sites	51.33	%	51.3	● ↓	51.33	% 2020
Domestic land use related biodiversity loss	2.29 × 10 ⁻¹¹	global PDF/capita	69.5	● →	1.07 × 10 ⁻³	global PDF 2018
Spillover land use related biodiversity loss	8.80 × 10 ⁻¹²	global PDF/capita	50.3	● ↓	4.12 × 10 ⁻⁴	global PDF 2018
Domestic freshwater biodiversity threats	1.46	spp./million	18.8	● ●	68.30	species 2018
Spillover freshwater biodiversity threats	0.49	spp./million	10.3	● ●	22.77	species 2018
Domestic deforestation	0.86	%	35.4	● ↓	8.98 × 10 ⁴	hectares 2020
Spillover deforestation	3.29 × 10 ⁻³	ha/capita	53.9	● ↓	1.54 × 10 ⁵	hectares 2018
Red List Index of species survival	0.85	scale 0 to 1	56.2	● ↓	0.85	scale 0 to 1 2021
Biodiversity Habitat Index	0.33	scale 0 to 1	6.4	● ●	0.33	scale 0 to 1 2020
Domestic export of endangered terrestrial animals	1.70 × 10 ⁻⁷	WOE/million	100.0	● ●	8.00	WOE 2019
Spillover endangered terrestrial animals	1.06 × 10 ⁻³	WOE/capita	87.6	● ●	4.98 × 10 ⁴	WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE 2019
Spillover endangered marine animals	2.35 × 10 ⁻⁴	WOE/capita	85.0	● ●	1.11 × 10 ⁴	WOE 2019
Unprotected marine biodiversity sites	85.74	%	15.1	● ↓	85.74	% 2020
Domestic marine biodiversity threats	0.68	spp./million	35.4	● ●	31.53	species 2018
Spillover marine biodiversity threats	0.64	spp./million	6.8	● ●	29.79	species 2018
Fish caught from overexploited or collapsed stocks	32.07	%	48.8	● →	32.07	% 2018
Fish caught by trawling	42.84	%	29.9	● ↓	42.84	% 2018
Domestic vulnerable fisheries catch	12.94	tonnes/capita	34.8	● →	0.61	Tg 2018
Spillover vulnerable fisheries catch	53.78	tonnes/capita	6.1	● →	2.52	tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.83	scale 0 to 1.4	28.9	● ↓	0.83	scale 0 to 1.4 2015
Domestic nitrogen surplus	22.19	kg/capita	37.5	● ↓	1,030.58	Gg 2015
Spillover nitrogen surplus	9.26	kg/capita	17.7	● ↓	429.93	Tg 2015
Domestic phosphorus fertilizer	9.10	kg/capita	33.3	● ↓	425.96	kt 2018
Spillover phosphorus fertilizer	5.25	g/capita	17.9	● ↓	245.76	kt 2018
Water Cycle						
Domestic scarce water consumption	0.47	m ³ H ₂ O-eq./capita	70.8	● →	21.92	Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	0.40	m ³ H ₂ O-eq./capita	100.0	● ↓	5.93	Mm ³ H ₂ O-eq. 2018
Domestic water stress	20.22	ML H ₂ O-eq./capita	1.0	● ↓	946.33	Bm ³ H ₂ O-eq. 2018
Spillover water stress	0.02	m ³ H ₂ O-eq./capita	100.0	● ↓	0.24	Mm ³ H ₂ O-eq. 2018

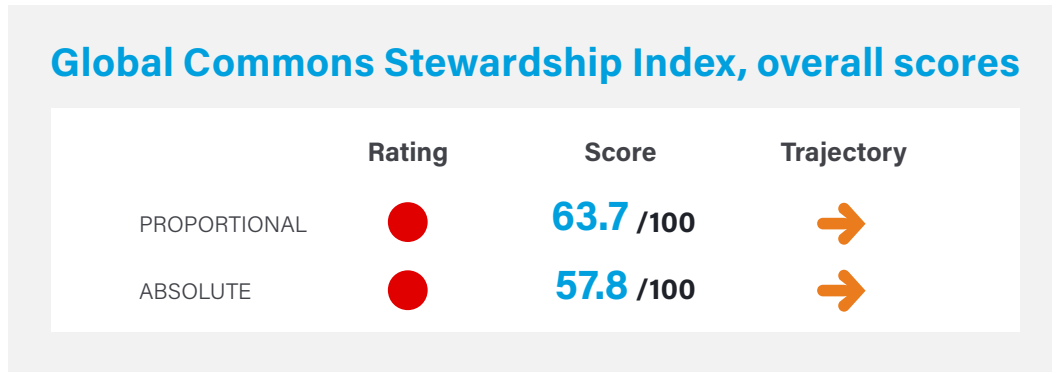
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Sri Lanka

East and South Asia

Land area	61,864 sq. km	Population	21.9 million
GDP (PPP, constant 2017 US\$, billions)	\$274.8	GDP per capita	\$12,537
Human Development Index (HDI)	0.782	HDI category	High



Impacts by pillar and sub-pillar

Proportional scores and trajectories



The Global Commons Stewardship Index

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Dashboard categories

Negative impacts on the Global Commons

95–100	None or limited
90–95	Low
80–90	Medium-low
70–80	Medium-high
50–70	High
30–50	Very high
0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Sri Lanka

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	6.68	kg/capita	53.1	● ↓	144.81	Gg 2018
Spillover SO ₂ emissions	3.66	kg/capita	55.1	● ↓	76.74	Gg 2015
Domestic NO _x emissions	7.46	kg/capita	94.7	● ↓	161.71	Gg 2018
Spillover NO _x emissions	3.16	kg/capita	57.3	● ↓	66.35	Gg 2015
Domestic black carbon emissions	0.54	kg/capita	59.9	● →	11.73	Gg 2018
Spillover black carbon emissions	0.16	kg/capita	51.5	● ↓	3.37	Gg 2015
GHG Emissions						
Domestic GHG emissions	2.98	t CO ₂ e/capita	84.5	● ↗	65.05	Tg 2019
Spillover GHG emissions	1.57	t CO ₂ e/capita	62.1	● ↓	34.06	Tg 2018
CO ₂ emissions embodied in fossil fuel exports	NA	t CO ₂ e/capita	NA	● ●	NA	Tg NA
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	43.69	%	58.1	● ↓	43.69	% 2020
Unprotected freshwater biodiversity sites	43.90	%	59.0	● ↓	43.90	% 2020
Domestic land use related biodiversity loss	2.54 × 10 ⁻¹¹	global PDF/capita	66.2	● →	5.51 × 10 ⁻⁴	global PDF 2018
Spillover land use related biodiversity loss	1.73 × 10 ⁻¹²	global PDF/capita	92.7	● ↓	3.75 × 10 ⁻⁵	global PDF 2018
Domestic freshwater biodiversity threats	2.06	spp./million	14.1	● ●	43.71	species 2018
Spillover freshwater biodiversity threats	0.01	spp./million	72.6	● ●	0.25	species 2018
Domestic deforestation	0.32	%	75.7	● ↓	11.4 × 10 ⁴	hectares 2020
Spillover deforestation	3.12 × 10 ⁻⁴	ha/capita	97.5	● ↓	6.76 × 10 ³	hectares 2018
Red List Index of species survival	0.57	scale 0 to 1	1.0	● ↓	0.57	scale 0 to 1 2021
Biodiversity Habitat Index	0.35	scale 0 to 1	9.7	● ●	0.35	scale 0 to 1 2020
Domestic export of endangered terrestrial animals	2.29 × 10 ⁻⁷	WOE/million	100.0	● ●	5.00	WOE 2019
Spillover endangered terrestrial animals	3.12 × 10 ⁻⁶	WOE/capita	100.0	● ●	6.80 × 10	WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	2.48 × 10 ⁻⁵	WOE/million	99.2	● ●	5.40 × 10 ²	WOE 2019
Spillover endangered marine animals	1.83 × 10 ⁻⁵	WOE/capita	98.8	● ●	4.00 × 10 ²	WOE 2019
Unprotected marine biodiversity sites	49.97	%	50.5	● ↓	49.97	% 2020
Domestic marine biodiversity threats	0.53	spp./million	38.6	● ●	11.32	species 2018
Spillover marine biodiversity threats	0.10	spp./million	30.8	● ●	2.10	species 2018
Fish caught from overexploited or collapsed stocks	11.71	%	81.4	● →	11.71	% 2018
Fish caught by trawling	0.00	%	100.0	● ●	0.00	% 2018
Domestic vulnerable fisheries catch	43.58	tonnes/capita	18.8	● →	0.94	Tg 2018
Spillover vulnerable fisheries catch	6.33	tonnes/capita	41.9	● ↓	0.14	tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.87	scale 0 to 1.4	25.1	● →	0.87	scale 0 to 1.4 2015
Domestic nitrogen surplus	9.80	kg/capita	73.1	● ↓	205.61	Gg 2015
Spillover nitrogen surplus	1.15	kg/capita	57.3	● →	24.09	Tg 2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt NA
Spillover phosphorus fertilizer	1.37	g/capita	59.4	● ↓	29.74	kt 2018
Water Cycle						
Domestic scarce water consumption	76.51	m ³ H ₂ O-eq./capita	13.5	● →	1,657.97	Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	35.39	m ³ H ₂ O-eq./capita	49.4	● ↓	192.77	Mm ³ H ₂ O-eq. 2018
Domestic water stress	1.41	ML H ₂ O-eq./capita	32.0	● →	30.52	Bm ³ H ₂ O-eq. 2018
Spillover water stress	1.43	m ³ H ₂ O-eq./capita	49.0	● ↓	7.79	Mm ³ H ₂ O-eq. 2018

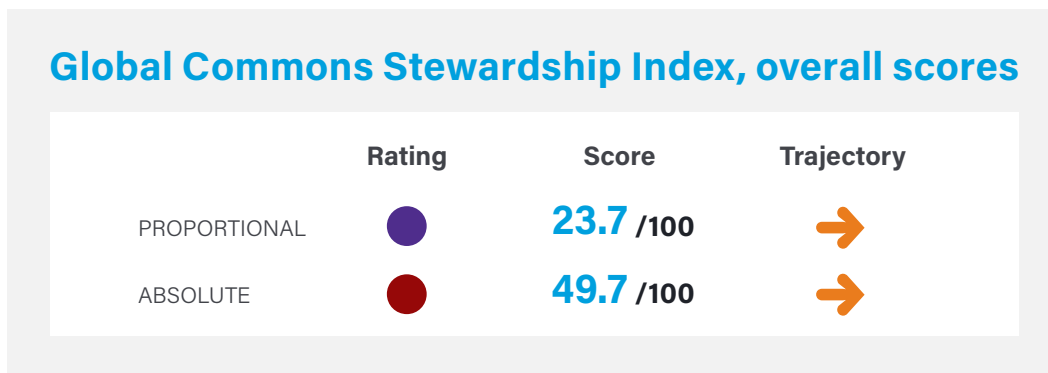
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Sweden

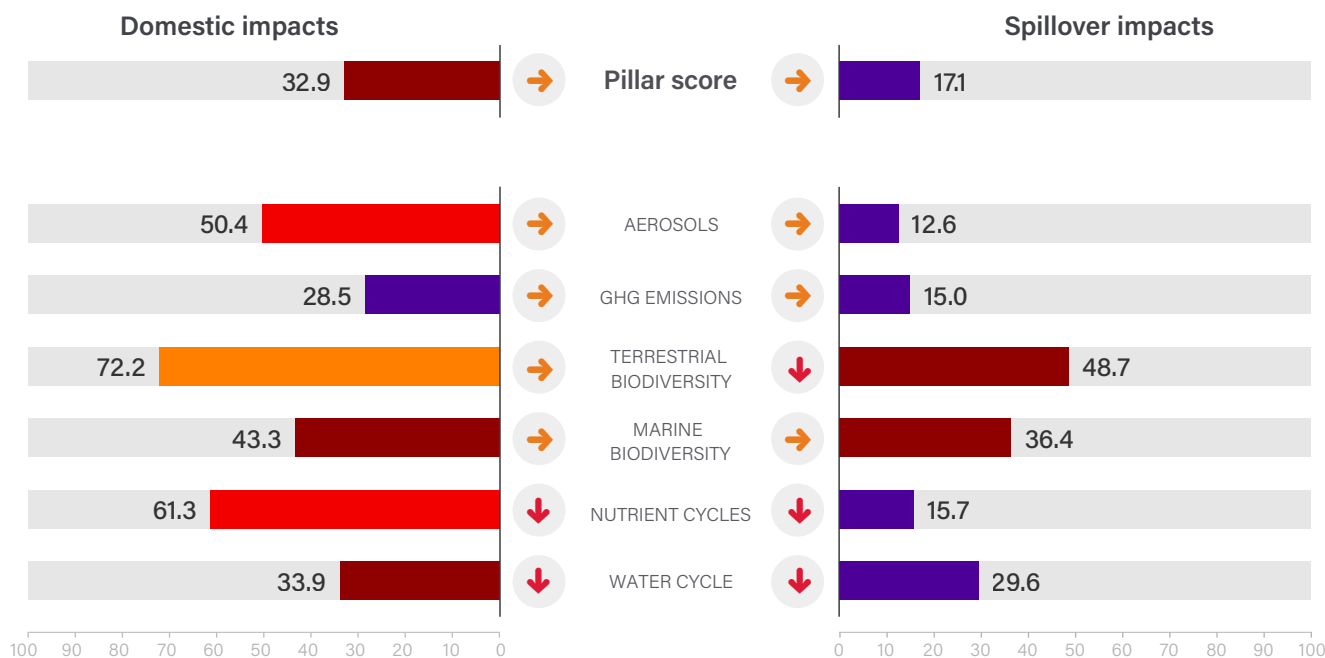
OECD Member

Land area	407,310 sq. km	Population	10.4 million
GDP (PPP, constant 2017 US\$, billions)	\$528.1	GDP per capita	\$51,003
Human Development Index (HDI)	0.947	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Trajectories

Based on 5-year growth rates

	Projected to meet 2050 threshold
	Projected to meet 2030 threshold only
	Insufficient progress toward threshold
	Headed in wrong direction

Sweden

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	15.88	kg/capita	33.2	● →	161.61	Gg	2018
Spillover SO ₂ emissions	15.05	kg/capita	16.1	● →	147.51	Gg	2015
Domestic NO _x emissions	16.61	kg/capita	76.0	● →	169.03	Gg	2018
Spillover NO _x emissions	19.59	kg/capita	8.9	● →	191.96	Gg	2015
Domestic black carbon emissions	0.64	kg/capita	50.8	● →	6.54	Gg	2018
Spillover black carbon emissions	0.62	kg/capita	14.1	● →	6.09	Gg	2015
GHG Emissions							
Domestic GHG emissions	12.85	t CO ₂ e/capita	27.8	● →	132.10	Tg	2019
Spillover GHG emissions	8.42	t CO ₂ e/capita	15.0	● →	85.71	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	0.07	t CO ₂ e/capita	30.5	● ●	0.70	Tg	2020
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	59.11	%	42.4	● ↓	59.11	%	2020
Unprotected freshwater biodiversity sites	59.41	%	42.9	● ↓	59.41	%	2020
Domestic land use related biodiversity loss	8.62 × 10 ⁻¹³	global PDF/capita	98.9	● ↗	8.77 × 10 ⁻⁶	global PDF	2018
Spillover land use related biodiversity loss	7.92 × 10 ⁻¹²	global PDF/capita	55.6	● ↓	8.06 × 10 ⁻⁵	global PDF	2018
Domestic freshwater biodiversity threats	0.13	spp./million	52.2	● ●	1.27	species	2018
Spillover freshwater biodiversity threats	0.15	spp./million	30.2	● ●	1.50	species	2018
Domestic deforestation	1.10	%	17.8	● ↓	3.18 × 10 ⁵	hectares	2020
Spillover deforestation	4.68 × 10 ⁻³	ha/capita	33.5	● ↓	4.76 × 10 ⁴	hectares	2018
Red List Index of species survival	0.99	scale 0 to 1	100.0	● ↓	0.99	scale 0 to 1	2021
Biodiversity Habitat Index	0.61	scale 0 to 1	45.8	● ●	0.61	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	9.73 × 10 ⁻⁷	WOE/million	100.0	● ●	1.00 × 10	WOE	2019
Spillover endangered terrestrial animals	1.39 × 10 ⁻⁵	WOE/capita	99.8	● ●	1.43 × 10 ²	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE	2019
Spillover endangered marine animals	3.95 × 10 ⁻⁵	WOE/capita	97.5	● ●	4.06 × 10 ²	WOE	2019
Unprotected marine biodiversity sites	60.23	%	40.4	● ↓	60.23	%	2020
Domestic marine biodiversity threats	0.12	spp./million	59.3	● ●	1.19	species	2018
Spillover marine biodiversity threats	0.08	spp./million	33.2	● ●	0.82	species	2018
Fish caught from overexploited or collapsed stocks	39.16	%	37.5	● →	39.16	%	2018
Fish caught by trawling	22.82	%	62.8	● →	22.82	%	2018
Domestic vulnerable fisheries catch	34.96	tonnes/capita	21.7	● ↓	0.36	Tg	2018
Spillover vulnerable fisheries catch	31.89	tonnes/capita	14.9	● →	0.32	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	0.49	scale 0 to 1.4	58.2	● →	0.49	scale 0 to 1.4	2015
Domestic nitrogen surplus	12.78	kg/capita	64.6	● ↓	125.19	Gg	2015
Spillover nitrogen surplus	12.87	kg/capita	11.5	● ↓	126.10	Tg	2015
Domestic phosphorus fertilizer	3.22	kg/capita	61.2	● ↓	32.72	kt	2018
Spillover phosphorus fertilizer	4.66	g/capita	21.6	● ↓	47.44	kt	2018
Water Cycle							
Domestic scarce water consumption	19.63	m ³ H ₂ O-eq./capita	28.8	● ↓	199.72	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	78.72	m ³ H ₂ O-eq./capita	28.6	● ↓	163.26	Mm ³ H ₂ O-eq.	2018
Domestic water stress	0.11	ML H ₂ O-eq./capita	65.4	● ↓	1.07	Bm ³ H ₂ O-eq.	2018
Spillover water stress	3.08	m ³ H ₂ O-eq./capita	29.2	● ↓	6.38	Mm ³ H ₂ O-eq.	2018

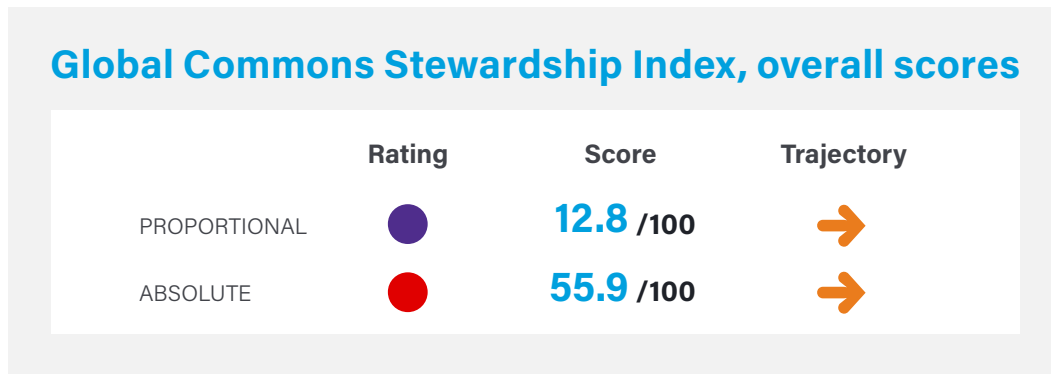
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Switzerland

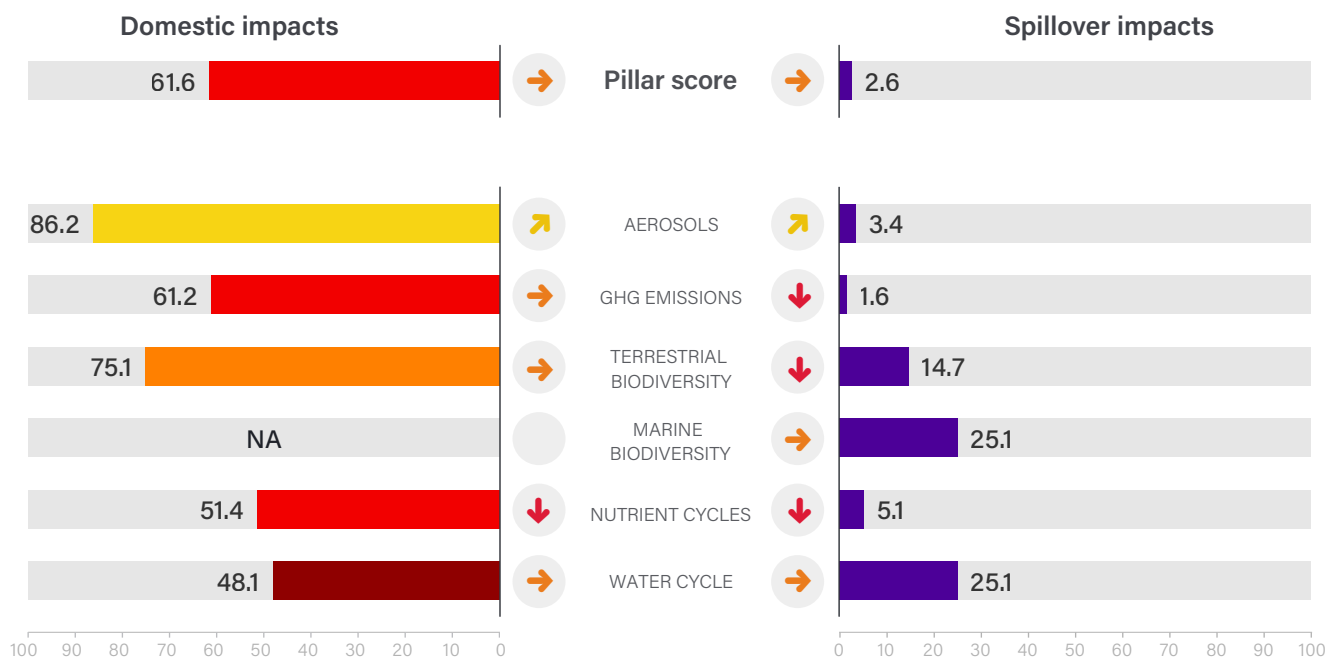
OECD Member

Land area	39,516 sq. km	Population	8.6 million
GDP (PPP, constant 2017 US\$, billions)	\$593.8	GDP per capita	\$68,753
Human Development Index (HDI)	0.962	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories

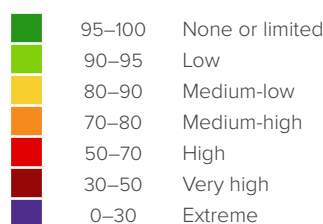


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Dashboard categories

Negative impacts on the Global Commons



Trajectories

Based on 5-year growth rates



Switzerland

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	3.03	kg/capita	71.3			25.80 Gg	2018
Spillover SO ₂ emissions	20.85	kg/capita	71			172.67 Gg	2015
Domestic NO _x emissions	8.04	kg/capita	93.5			68.48 Gg	2018
Spillover NO _x emissions	32.13	kg/capita	1.0			266.15 Gg	2015
Domestic black carbon emissions	0.14	kg/capita	95.9			1.21 Gg	2018
Spillover black carbon emissions	0.84	kg/capita	5.7			6.96 Gg	2015
GHG Emissions							
Domestic GHG emissions	6.48	t CO ₂ e/capita	54.4			55.55 Tg	2019
Spillover GHG emissions	13.55	t CO ₂ e/capita	1.6			115.40 Tg	2018
CO ₂ emissions embodied in fossil fuel exports	0.00	t CO ₂ e/capita	87.3			0.00 Tg	2021
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	37.03	%	64.8			37.03 %	2020
Unprotected freshwater biodiversity sites	60.23	%	42.1			60.23 %	2020
Domestic land use related biodiversity loss	2.28 × 10 ⁻¹²	global PDF/capita	97.0			1.94 × 10 ⁻⁵ global PDF	2018
Spillover land use related biodiversity loss	9.02 × 10 ⁻¹²	global PDF/capita	49.0			7.68 × 10 ⁻⁵ global PDF	2018
Domestic freshwater biodiversity threats	0.38	spp./million	37.4			3.22 species	2018
Spillover freshwater biodiversity threats	0.67	spp./million	4.9			5.72 species	2018
Domestic deforestation	0.19	%	85.8			2.94 × 10 ³ hectares	2020
Spillover deforestation	3.41 × 10 ⁻³	ha/capita	52.1			2.90 × 10 ⁴ hectares	2018
Red List Index of species survival	0.97	scale 0 to 1	95.1			0.97 scale 0 to 1	2021
Biodiversity Habitat Index	0.44	scale 0 to 1	22.7			0.44 scale 0 to 1	2020
Domestic export of endangered terrestrial animals	9.33 × 10 ⁻⁷	WOE/million	100.0			8.00 WOE	2019
Spillover endangered terrestrial animals	8.22 × 10 ⁻³	WOE/capita	3.8			7.05 × 10 ⁴ WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	NA	WOE/million	NA			NA WOE	NA
Spillover endangered marine animals	3.09 × 10 ⁻⁴	WOE/capita	80.3			2.65 × 10 ³ WOE	2019
Unprotected marine biodiversity sites	NA	%	NA			NA %	NA
Domestic marine biodiversity threats	NA	spp./million	NA			NA species	NA
Spillover marine biodiversity threats	0.54	spp./million	9.0			4.59 species	2018
Fish caught from overexploited or collapsed stocks	NA	%	NA			NA %	NA
Fish caught by trawling	NA	%	NA			NA %	NA
Domestic vulnerable fisheries catch	NA	tonnes/capita	NA			NA Tg	NA
Spillover vulnerable fisheries catch	21.04	tonnes/capita	21.8			0.18 tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	0.69	scale 0 to 1.4	41.1			0.69 scale 0 to 1.4	2015
Domestic nitrogen surplus	7.83	kg/capita	78.8			64.84 Gg	2015
Spillover nitrogen surplus	23.67	kg/capita	1.0			196.08 Tg	2015
Domestic phosphorus fertilizer	NA	kg/capita	NA			NA kt	NA
Spillover phosphorus fertilizer	4.04	g/capita	26.0			34.39 kt	2018
Water Cycle							
Domestic scarce water consumption	6.64	m ³ H ₂ O-eq./capita	41.0			56.52 Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	75.34	m ³ H ₂ O-eq./capita	29.7			766.60 Mm ³ H ₂ O-eq.	2018
Domestic water stress	0.01	ML H ₂ O-eq./capita	91.0			0.12 Bm ³ H ₂ O-eq.	2018
Spillover water stress	3.05	m ³ H ₂ O-eq./capita	29.4			31.05 Mm ³ H ₂ O-eq.	2018

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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Tajikistan

Eastern Europe and Central Asia

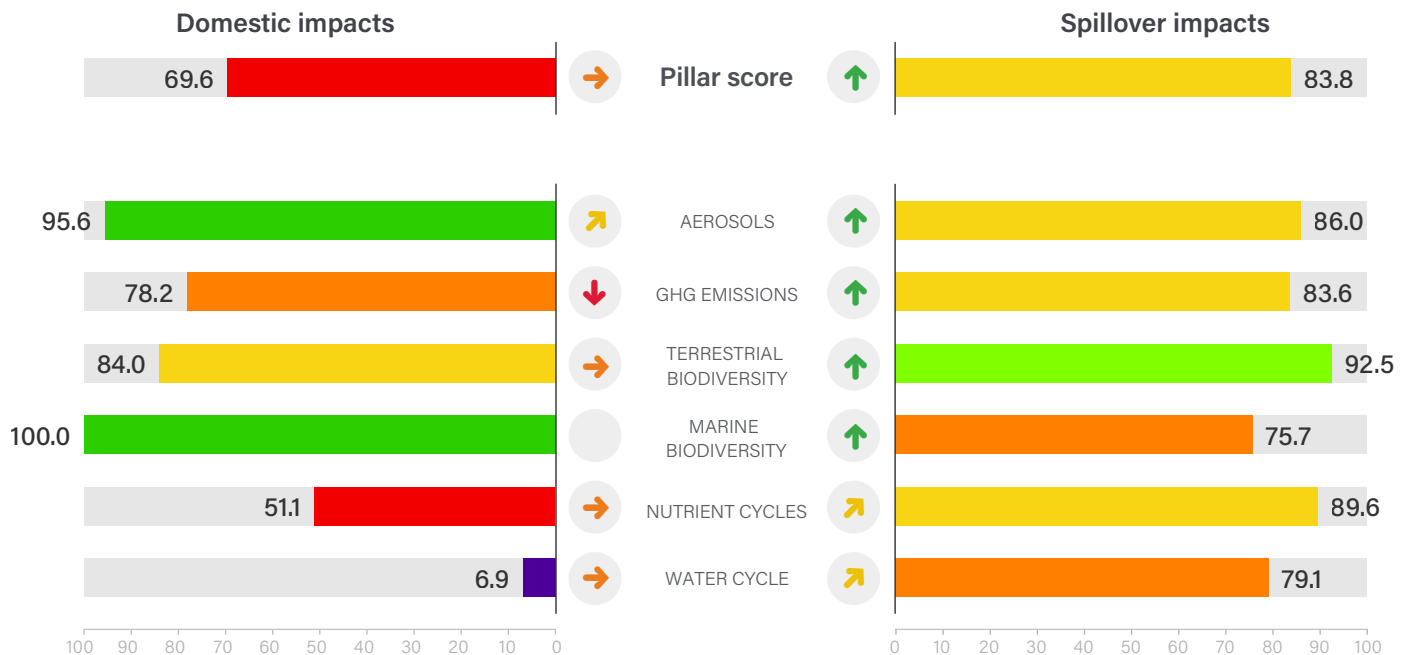
Land area	138,790 sq. km	Population	9.5 million
GDP (PPP, constant 2017 US\$, billions)	\$34.9	GDP per capita	\$3,658
Human Development Index (HDI)	0.685	HDI category	Medium

Global Commons Stewardship Index, overall scores

	Rating	Score	Trajectory
PROPORTIONAL	●	76.3 /100	↗
ABSOLUTE	●	78.4 /100	↗

Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Negative impacts on the Global Commons

95–100	None or limited
90–95	Low
80–90	Medium-low
70–80	Medium-high
50–70	High
30–50	Very high
0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Tajikistan

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	1.50	kg/capita	87.4	● ↓	13.68	Gg 2018
Spillover SO ₂ emissions	1.32	kg/capita	83.3	● ↑	11.14	Gg 2015
Domestic NO _x emissions	2.20	kg/capita	100.0	● ↑	20.05	Gg 2018
Spillover NO _x emissions	1.41	kg/capita	78.8	● ↑	11.92	Gg 2015
Domestic black carbon emissions	0.04	kg/capita	100.0	● ↑	0.34	Gg 2018
Spillover black carbon emissions	0.03	kg/capita	96.8	● ↑	0.27	Gg 2015
GHG Emissions						
Domestic GHG emissions	2.30	t CO ₂ e/capita	94.5	● ↓	21.46	Tg 2019
Spillover GHG emissions	0.73	t CO ₂ e/capita	83.6	● ↑	6.65	Tg 2018
CO ₂ emissions embodied in fossil fuel exports	0.00	t CO ₂ e/capita	44.3	● ●	0.03	Tg 2020
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	16.81	%	85.3	● ↓	16.81	% 2020
Unprotected freshwater biodiversity sites	30.48	%	72.8	● ↓	30.48	% 2020
Domestic land use related biodiversity loss	4.43 × 10 ⁻¹²	global PDF/capita	94.1	● →	4.03 × 10 ⁻⁵	global PDF 2018
Spillover land use related biodiversity loss	8.07 × 10 ⁻¹³	global PDF/capita	98.2	● ↑	7.35 × 10 ⁻⁶	global PDF 2018
Domestic freshwater biodiversity threats	0.05	spp./million	63.8	● ●	0.49	species 2018
Spillover freshwater biodiversity threats	0.01	spp./million	74.7	● ●	0.10	species 2018
Domestic deforestation	0.00	%	100.0	● ●	0.00	hectares 2020
Spillover deforestation	1.50 × 10 ⁻⁴	ha/capita	99.9	● ↑	1.37 × 10 ³	hectares 2018
Red List Index of species survival	0.99	scale 0 to 1	99.7	● ↓	0.99	scale 0 to 1 2021
Biodiversity Habitat Index	0.47	scale 0 to 1	27.0	● ●	0.47	scale 0 to 1 2020
Domestic export of endangered terrestrial animals	6.54 × 10 ⁻⁶	WOE/million	99.9	● ●	6.10 × 10	WOE 2019
Spillover endangered terrestrial animals	2.15 × 10 ⁻⁷	WOE/capita	100.0	● ●	2.00	WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	NA	WOE/million	NA	● ●	NA	WOE NA
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE 2019
Unprotected marine biodiversity sites	NA	%	NA	● ●	NA	% NA
Domestic marine biodiversity threats	0.00	spp./million	100.0	● ●	0.01	species 2018
Spillover marine biodiversity threats	0.01	spp./million	56.6	● ●	0.12	species 2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	● ●	NA	% NA
Fish caught by trawling	NA	%	NA	● ●	NA	% NA
Domestic vulnerable fisheries catch	NA	tonnes/capita	NA	● ●	NA	Tg NA
Spillover vulnerable fisheries catch	0.79	tonnes/capita	76.7	● ↑	0.01	tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.72	scale 0 to 1.4	38.3	● →	0.72	scale 0 to 1.4 2015
Domestic nitrogen surplus	7.51	kg/capita	79.7	● ↓	63.52	Gg 2015
Spillover nitrogen surplus	0.34	kg/capita	80.3	● ↓	2.90	Tg 2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt NA
Spillover phosphorus fertilizer	0.32	g/capita	100.0	● ↑	2.92	kt 2018
Water Cycle						
Domestic scarce water consumption	149.50	m ³ H ₂ O-eq./capita	6.0	● →	1,360.56	Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	2.46	m ³ H ₂ O-eq./capita	100.0	● ↑	38.02	Mm ³ H ₂ O-eq. 2018
Domestic water stress	6.74	ML H ₂ O-eq./capita	11.8	● →	61.34	Bm ³ H ₂ O-eq. 2018
Spillover water stress	0.11	m ³ H ₂ O-eq./capita	100.0	● →	1.76	Mm ³ H ₂ O-eq. 2018

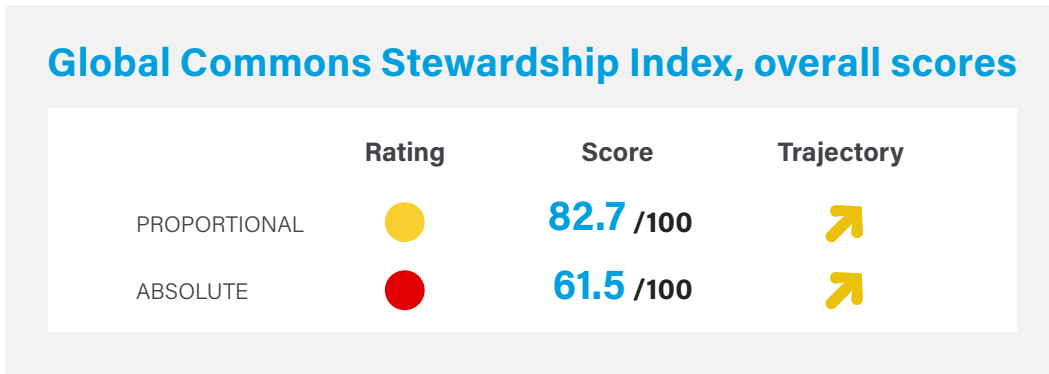
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Tanzania

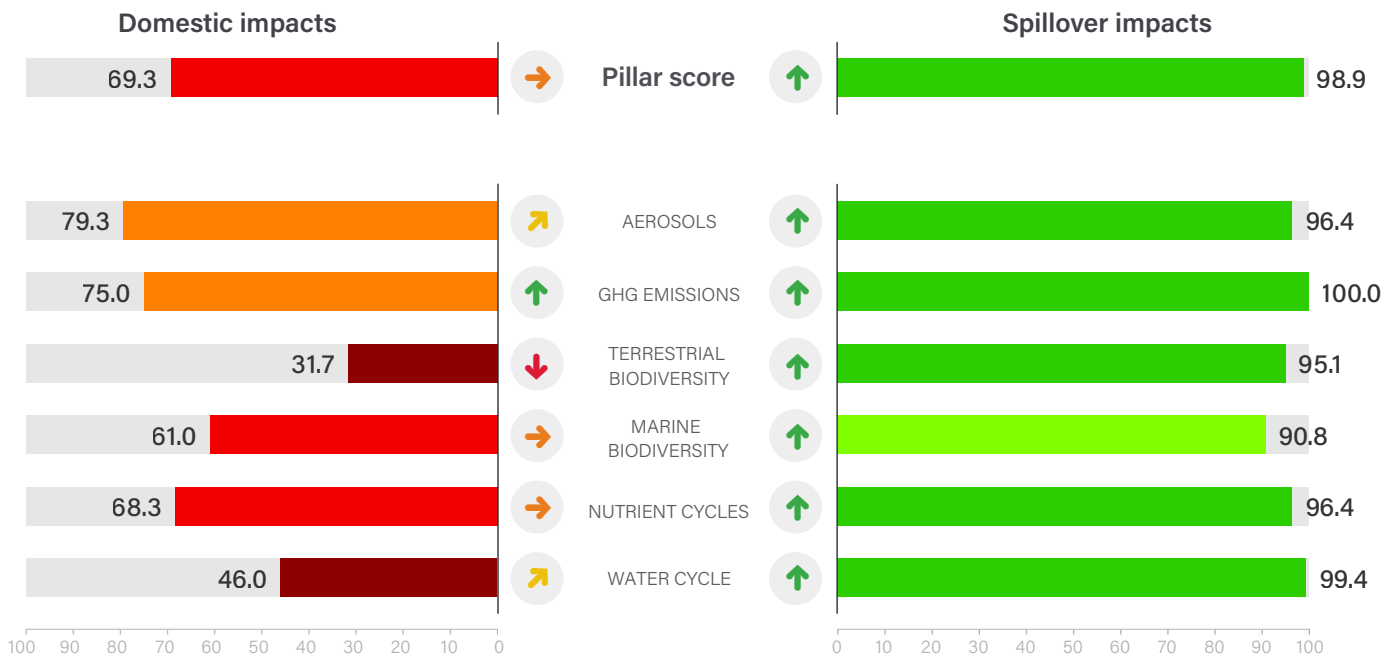
Africa

Land area	885,800 sq. km	Population	59.7 million
GDP (PPP, constant 2017 US\$, billions)	\$152.8	GDP per capita	\$2,558
Human Development Index (HDI)	0.549	HDI category	Low



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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■	50–70	High
■	30–50	Very high
■	0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Tanzania

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	0.89	kg/capita	99.4	● ↑	50.33	Gg	2018
Spillover SO ₂ emissions	0.72	kg/capita	99.9	● ↑	37.22	Gg	2015
Domestic NO _x emissions	2.68	kg/capita	100.0	● ↑	150.99	Gg	2018
Spillover NO _x emissions	0.65	kg/capita	99.5	● ↑	33.28	Gg	2015
Domestic black carbon emissions	0.65	kg/capita	50.1	● →	36.57	Gg	2018
Spillover black carbon emissions	0.04	kg/capita	90.3	● ↑	2.04	Gg	2015
GHG Emissions							
Domestic GHG emissions	2.68	t CO ₂ e/capita	88.6	● ↑	155.47	Tg	2019
Spillover GHG emissions	0.20	t CO ₂ e/capita	100.0	● ↑	11.37	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	0.00	t CO ₂ e/capita	45.4	● ●	0.15	Tg	2021
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	62.97	%	38.5	● ↓	62.97	%	2020
Unprotected freshwater biodiversity sites	36.21	%	66.9	● ↓	36.21	%	2020
Domestic land use related biodiversity loss	4.61 × 10 ⁻¹²	global PDF/capita	93.9	● →	2.60 × 10 ⁻⁴	global PDF	2018
Spillover land use related biodiversity loss	3.17 × 10 ⁻¹³	global PDF/capita	100.0	● ↑	1.79 × 10 ⁻⁵	global PDF	2018
Domestic freshwater biodiversity threats	2.76	spp./million	10.1	● ●	155.47	species	2018
Spillover freshwater biodiversity threats	0.01	spp./million	81.9	● ●	0.38	species	2018
Domestic deforestation	0.67	%	50.1	● ↓	1.64 × 10 ⁵	hectares	2020
Spillover deforestation	6.33 × 10 ⁻⁵	ha/capita	100.0	● ↑	3.57 × 10 ³	hectares	2018
Red List Index of species survival	0.69	scale 0 to 1	8.7	● ↓	0.69	scale 0 to 1	2021
Biodiversity Habitat Index	0.46	scale 0 to 1	24.6	● ●	0.46	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	6.70 × 10 ⁻⁶	WOE/million	99.9	● ●	3.89 × 10 ²	WOE	2019
Spillover endangered terrestrial animals	6.90 × 10 ⁻⁸	WOE/capita	100.0	● ●	4.00	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE	2019
Spillover endangered marine animals	5.17 × 10 ⁻⁸	WOE/capita	100.0	● ●	3.00	WOE	2019
Unprotected marine biodiversity sites	52.08	%	48.4	● ↓	52.08	%	2020
Domestic marine biodiversity threats	0.28	spp./million	47.7	● ●	15.66	species	2018
Spillover marine biodiversity threats	0.00	spp./million	79.2	● ●	0.12	species	2018
Fish caught from overexploited or collapsed stocks	23.51	%	62.5	● ↓	23.51	%	2018
Fish caught by trawling	0.00	%	100.0	● ●	0.00	%	2018
Domestic vulnerable fisheries catch	3.63	tonnes/capita	51.5	● ↗	0.20	Tg	2018
Spillover vulnerable fisheries catch	0.27	tonnes/capita	94.5	● ↑	0.02	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	0.79	scale 0 to 1.4	32.6	● →	0.79	scale 0 to 1.4	2015
Domestic nitrogen surplus	1.77	kg/capita	96.3	● ↗	91.12	Gg	2015
Spillover nitrogen surplus	0.18	kg/capita	92.9	● ↑	9.08	Tg	2015
Domestic phosphorus fertilizer	1.02	kg/capita	92.0	● ↓	57.29	kt	2018
Spillover phosphorus fertilizer	0.19	g/capita	100.0	● ↑	10.92	kt	2018
Water Cycle							
Domestic scarce water consumption	5.07	m ³ H ₂ O-eq./capita	44.0	● ↗	285.30	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	9.14	m ³ H ₂ O-eq./capita	84.6	● ↑	72.07	Mm ³ H ₂ O-eq.	2018
Domestic water stress	0.23	ML H ₂ O-eq./capita	55.2	● ↗	13.13	Bm ³ H ₂ O-eq.	2018
Spillover water stress	0.36	m ³ H ₂ O-eq./capita	84.7	● ↑	2.84	Mm ³ H ₂ O-eq.	2018

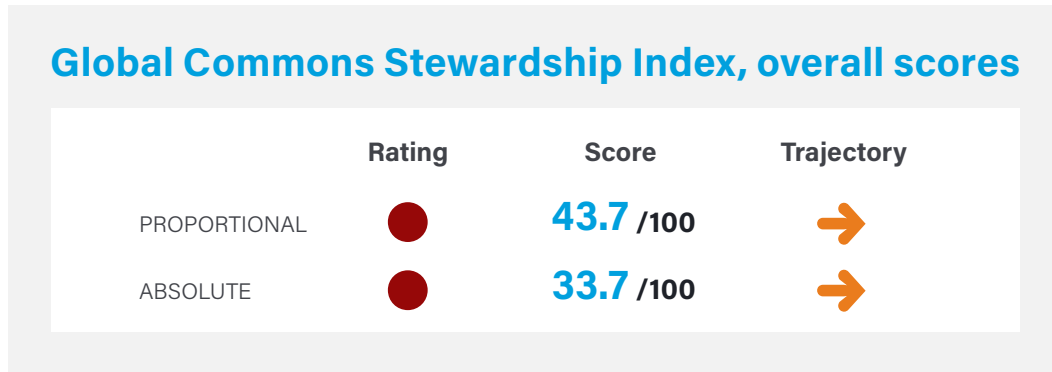
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Thailand

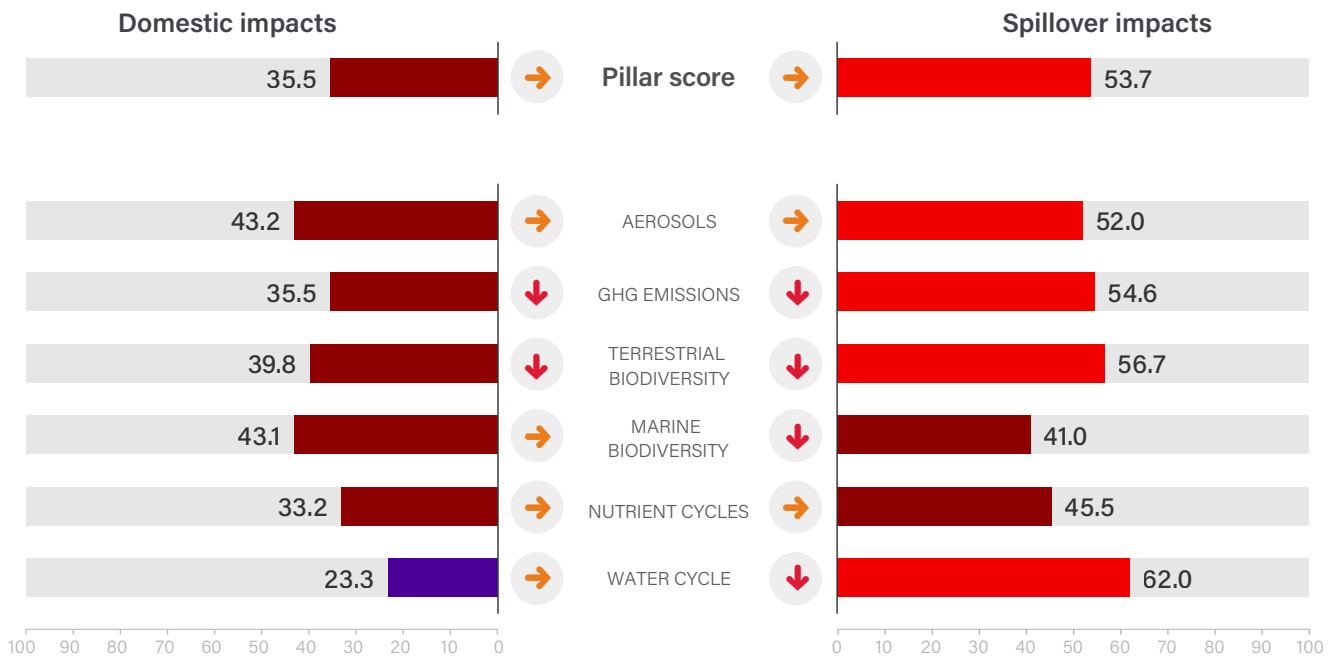
East and South Asia

Land area	510,890 sq. km	Population	69.8 million
GDP (PPP, constant 2017 US\$, billions)	\$1,206.6	GDP per capita	\$17,287
Human Development Index (HDI)	0.800	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories



The Global Commons Stewardship Index

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Dashboard categories

Negative impacts on the Global Commons

95–100	None or limited
90–95	Low
80–90	Medium-low
70–80	Medium-high
50–70	High
30–50	Very high
0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Thailand

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	8.49	kg/capita	47.6	●	↗	589.21 Gg 2018
Spillover SO ₂ emissions	3.83	kg/capita	53.9	●	→	263.37 Gg 2015
Domestic NO _x emissions	15.09	kg/capita	79.1	●	↓	1,047.75 Gg 2018
Spillover NO _x emissions	3.77	kg/capita	52.7	●	↓	259.00 Gg 2015
Domestic black carbon emissions	0.97	kg/capita	21.3	●	→	67.22 Gg 2018
Spillover black carbon emissions	0.17	kg/capita	49.7	●	↓	11.79 Gg 2015
GHG Emissions						
Domestic GHG emissions	10.03	t CO ₂ e/capita	37.4	●	↓	698.48 Tg 2019
Spillover GHG emissions	2.05	t CO ₂ e/capita	54.6	●	↓	142.48 Tg 2018
CO ₂ emissions embodied in fossil fuel exports	0.07	t CO ₂ e/capita	30.2	●	●	4.94 Tg 2020
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	71.10	%	30.3	●	↓	71.10 % 2020
Unprotected freshwater biodiversity sites	40.67	%	62.3	●	↓	40.67 % 2020
Domestic land use related biodiversity loss	1.29 × 10 ⁻¹¹	global PDF/capita	82.8	●	→	8.99 × 10 ⁻⁴ global PDF 2018
Spillover land use related biodiversity loss	2.89 × 10 ⁻¹²	global PDF/capita	85.7	●	↓	2.01 × 10 ⁻⁴ global PDF 2018
Domestic freshwater biodiversity threats	2.72	spp./million	10.3	●	●	188.76 species 2018
Spillover freshwater biodiversity threats	0.35	spp./million	15.9	●	●	24.23 species 2018
Domestic deforestation	0.66	%	50.6	●	↓	1.27 × 10 ⁵ hectares 2020
Spillover deforestation	1.07 × 10 ⁻³	ha/capita	86.4	●	↓	7.44 × 10 ⁴ hectares 2018
Red List Index of species survival	0.77	scale 0 to 1	33.5	●	↓	0.77 scale 0 to 1 2021
Biodiversity Habitat Index	0.32	scale 0 to 1	4.9	●	●	0.32 scale 0 to 1 2020
Domestic export of endangered terrestrial animals	8.81 × 10 ⁻⁴	WOE/million	90.8	●	●	6.13 × 10 ⁴ WOE 2019
Spillover endangered terrestrial animals	1.07 × 10 ⁻³	WOE/capita	87.5	●	●	7.45 × 10 ⁴ WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	1.56 × 10 ⁻⁴	WOE/million	94.7	●	●	1.09 × 10 ⁴ WOE 2019
Spillover endangered marine animals	2.15 × 10 ⁻⁵	WOE/capita	98.6	●	●	1.50 × 10 ³ WOE 2019
Unprotected marine biodiversity sites	47.54	%	52.9	●	↓	47.54 % 2020
Domestic marine biodiversity threats	0.27	spp./million	48.1	●	●	18.72 species 2018
Spillover marine biodiversity threats	0.05	spp./million	38.4	●	●	3.78 species 2018
Fish caught from overexploited or collapsed stocks	46.25	%	26.2	●	→	46.25 % 2018
Fish caught by trawling	16.27	%	73.6	●	↓	16.27 % 2018
Domestic vulnerable fisheries catch	28.07	tonnes/capita	24.6	●	→	1.95 Tg 2018
Spillover vulnerable fisheries catch	26.15	tonnes/capita	18.2	●	↓	1.82 tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.87	scale 0 to 1.4	25.0	●	↓	0.87 scale 0 to 1.4 2015
Domestic nitrogen surplus	25.81	kg/capita	27.0	●	↓	1,773.63 Gg 2015
Spillover nitrogen surplus	2.83	kg/capita	40.3	●	↓	194.18 Tg 2015
Domestic phosphorus fertilizer	5.30	kg/capita	47.8	●	↑	367.75 kt 2018
Spillover phosphorus fertilizer	1.77	g/capita	51.5	●	↗	123.13 kt 2018
Water Cycle						
Domestic scarce water consumption	41.41	m ³ H ₂ O-eq./capita	20.4	●	→	2,875.36 Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	20.89	m ³ H ₂ O-eq./capita	63.1	●	↓	1,450.45 Mm ³ H ₂ O-eq. 2018
Domestic water stress	0.78	ML H ₂ O-eq./capita	39.6	●	↓	54.13 Bm ³ H ₂ O-eq. 2018
Spillover water stress	0.90	m ³ H ₂ O-eq./capita	61.0	●	↓	62.37 Mm ³ H ₂ O-eq. 2018

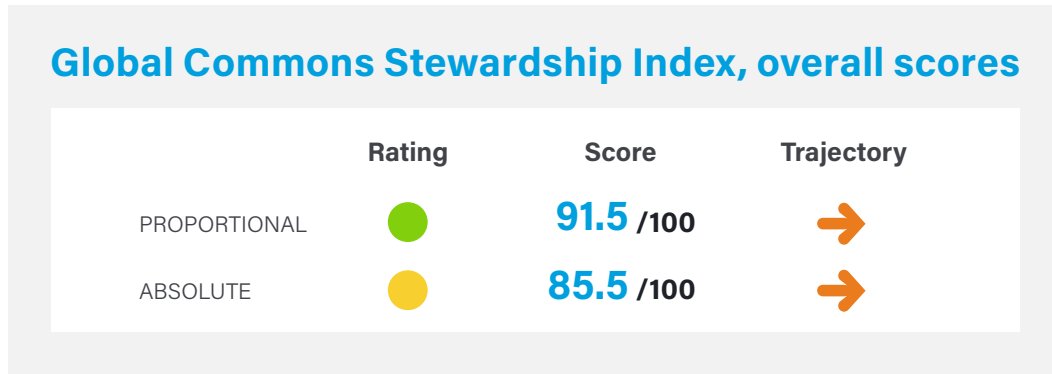
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Togo

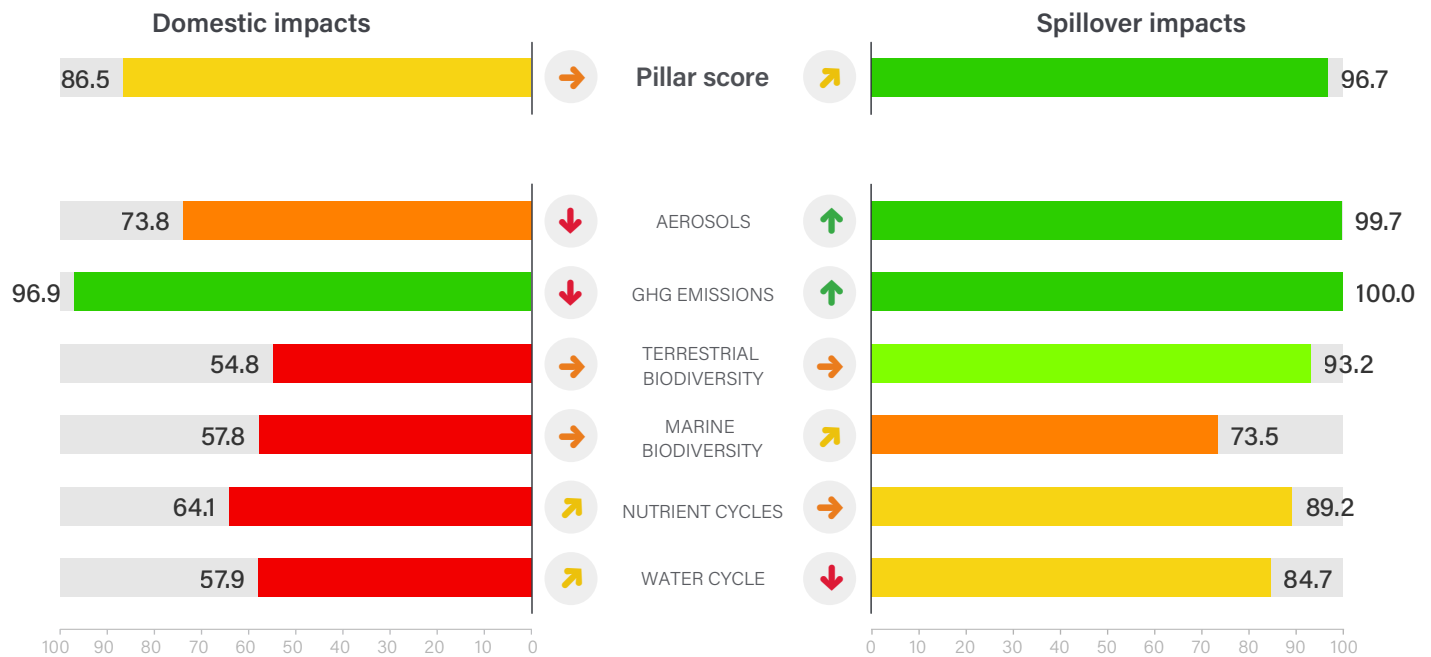
Africa

Land area	54,390 sq. km	Population	8.3 million
GDP (PPP, constant 2017 US\$, billions)	\$17.5	GDP per capita	\$2,108
Human Development Index (HDI)	0.539	HDI category	Low



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

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■	95–100	None or limited
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■	30–50	Very high
■	0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
➔	Insufficient progress toward threshold
↓	Headed in wrong direction

Togo

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	0.38	kg/capita	100.0	● ↓	2.96	Gg 2018
Spillover SO ₂ emissions	0.66	kg/capita	100.0	● ↑	4.87	Gg 2015
Domestic NO _x emissions	3.14	kg/capita	100.0	● ↓	24.80	Gg 2018
Spillover NO _x emissions	0.60	kg/capita	100.0	● ↑	4.39	Gg 2015
Domestic black carbon emissions	0.76	kg/capita	40.2	● →	5.99	Gg 2018
Spillover black carbon emissions	0.03	kg/capita	99.1	● ↑	0.21	Gg 2015
GHG Emissions						
Domestic GHG emissions	2.16	t CO ₂ e/capita	96.9	● ↓	17.49	Tg 2019
Spillover GHG emissions	0.31	t CO ₂ e/capita	100.0	● ↑	2.44	Tg 2018
CO ₂ emissions embodied in fossil fuel exports	NA	t CO ₂ e/capita	NA	● ●	NA	Tg NA
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	79.45	%	21.8	● ↓	79.45	% 2020
Unprotected freshwater biodiversity sites	NA	%	NA	● ●	NA	% NA
Domestic land use related biodiversity loss	7.33 × 10 ⁻¹³	global PDF/capita	99.0	● ↗	5.79 × 10 ⁻⁶	global PDF 2018
Spillover land use related biodiversity loss	8.97 × 10 ⁻¹³	global PDF/capita	97.7	● ↗	7.07 × 10 ⁻⁶	global PDF 2018
Domestic freshwater biodiversity threats	0.32	spp./million	39.7	● ●	2.51	species 2018
Spillover freshwater biodiversity threats	0.00	spp./million	89.8	● ●	0.03	species 2018
Domestic deforestation	0.97	%	26.9	● ↓	5.84 × 10 ³	hectares 2020
Spillover deforestation	8.52 × 10 ⁻⁴	ha/capita	89.6	● ↓	6.72 × 10 ³	hectares 2018
Red List Index of species survival	0.86	scale 0 to 1	59.9	● ↓	0.86	scale 0 to 1 2021
Biodiversity Habitat Index	0.37	scale 0 to 1	12.6	● ●	0.37	scale 0 to 1 2020
Domestic export of endangered terrestrial animals	1.92 × 10 ⁻³	WOE/million	80.0	● ●	1.55 × 10 ⁴	WOE 2019
Spillover endangered terrestrial animals	3.63 × 10 ⁻⁴	WOE/capita	95.8	● ●	2.93 × 10 ³	WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE 2019
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE 2019
Unprotected marine biodiversity sites	NA	%	NA	● ●	NA	% NA
Domestic marine biodiversity threats	0.09	spp./million	62.9	● ●	0.73	species 2018
Spillover marine biodiversity threats	0.01	spp./million	55.8	● ●	0.11	species 2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	● ●	NA	% NA
Fish caught by trawling	11.18	%	81.9	● →	11.18	% 2018
Domestic vulnerable fisheries catch	15.36	tonnes/capita	32.5	● →	0.12	Tg 2018
Spillover vulnerable fisheries catch	1.10	tonnes/capita	71.1	● ↗	0.01	tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.85	scale 0 to 1.4	27.0	● →	0.85	scale 0 to 1.4 2015
Domestic nitrogen surplus	1.40	kg/capita	97.3	● ↑	10.25	Gg 2015
Spillover nitrogen surplus	0.27	kg/capita	84.8	● ↓	1.98	Tg 2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt NA
Spillover phosphorus fertilizer	0.45	g/capita	93.7	● ↗	3.58	kt 2018
Water Cycle						
Domestic scarce water consumption	1.89	m ³ H ₂ O-eq./capita	55.1	● ↗	14.93	Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	6.60	m ³ H ₂ O-eq./capita	93.1	● ↓	60.08	Mm ³ H ₂ O-eq. 2018
Domestic water stress	0.07	ML H ₂ O-eq./capita	71.0	● ↗	0.54	Bm ³ H ₂ O-eq. 2018
Spillover water stress	0.71	m ³ H ₂ O-eq./capita	67.2	● ↓	6.43	Mm ³ H ₂ O-eq. 2018

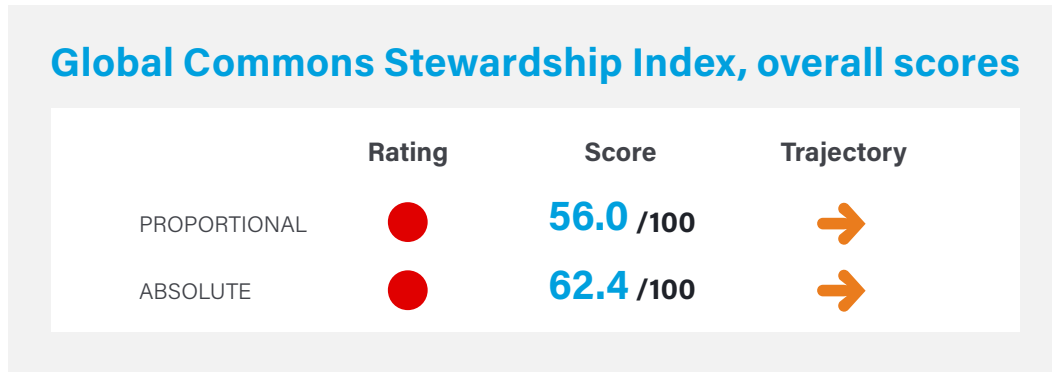
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Tunisia

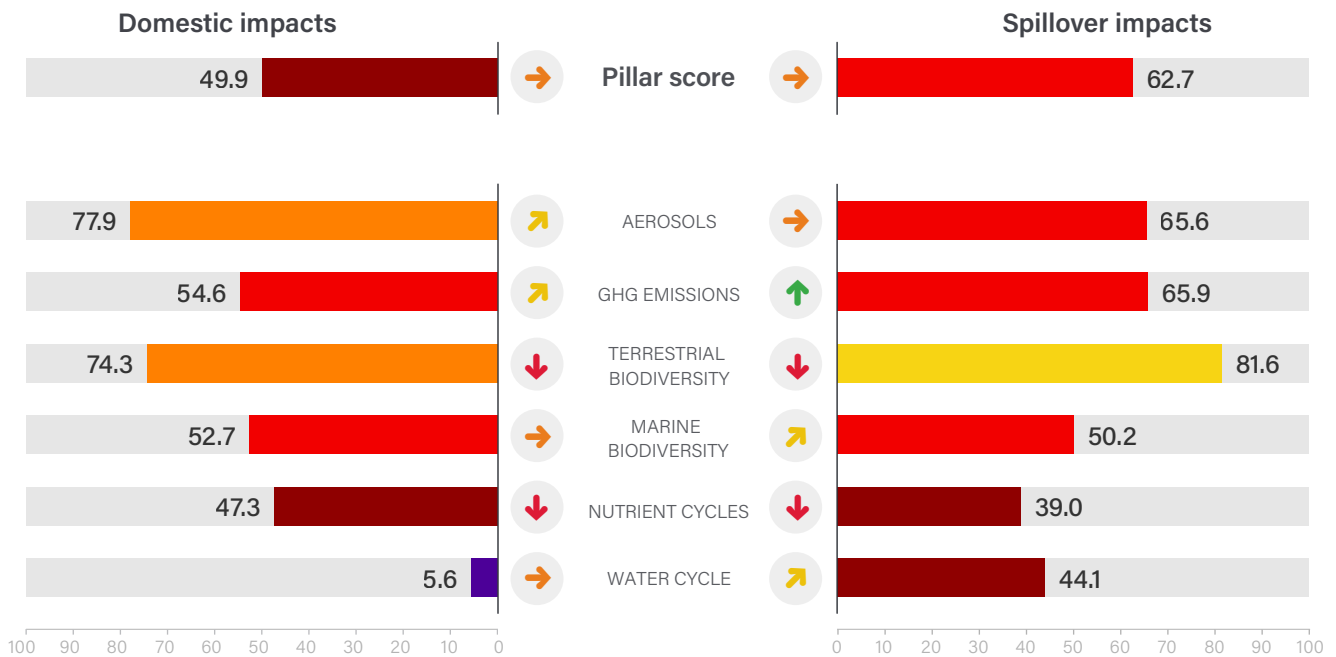
Middle East and North Africa

Land area	155,360 sq. km	Population	11.8 million
GDP (PPP, constant 2017 US\$, billions)	\$115.0	GDP per capita	\$9,728
Human Development Index (HDI)	0.731	HDI category	High



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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■	95–100	None or limited
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Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Tunisia

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	3.15	kg/capita	70.4	● ↑	36.42	Gg	2018
Spillover SO ₂ emissions	2.34	kg/capita	67.5	● ↗	26.12	Gg	2015
Domestic NO _x emissions	9.12	kg/capita	91.3	● ↓	105.51	Gg	2018
Spillover NO _x emissions	2.67	kg/capita	61.8	● ↓	29.84	Gg	2015
Domestic black carbon emissions	0.39	kg/capita	73.5	● ↗	4.52	Gg	2018
Spillover black carbon emissions	0.09	kg/capita	67.6	● →	1.01	Gg	2015
GHG Emissions							
Domestic GHG emissions	4.06	t CO ₂ e/capita	72.5	● ↗	47.46	Tg	2019
Spillover GHG emissions	1.37	t CO ₂ e/capita	65.9	● ↑	15.89	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	0.32	t CO ₂ e/capita	23.4	● ●	3.76	Tg	2019
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	39.50	%	62.3	● ↓	39.50	%	2020
Unprotected freshwater biodiversity sites	43.40	%	59.5	● ↓	43.40	%	2020
Domestic land use related biodiversity loss	3.75 × 10 ⁻¹²	global PDF/capita	95.0	● →	4.34 × 10 ⁻⁵	global PDF	2018
Spillover land use related biodiversity loss	4.40 × 10 ⁻¹²	global PDF/capita	76.7	● ↓	5.09 × 10 ⁻⁵	global PDF	2018
Domestic freshwater biodiversity threats	0.23	spp./million	44.3	● ●	2.63	species	2018
Spillover freshwater biodiversity threats	0.02	spp./million	63.8	● ●	0.24	species	2018
Domestic deforestation	0.48	%	64.0	● ↓	8.11 × 10 ²	hectares	2020
Spillover deforestation	7.61 × 10 ⁻⁴	ha/capita	91.0	● ↓	8.80 × 10 ³	hectares	2018
Red List Index of species survival	0.97	scale 0 to 1	94.7	● ↓	0.97	scale 0 to 1	2021
Biodiversity Habitat Index	0.42	scale 0 to 1	20.0	● ●	0.42	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	0.00	WOE/million	100.0	● ●	0.00	WOE	2019
Spillover endangered terrestrial animals	1.42 × 10 ⁻⁵	WOE/capita	99.8	● ●	1.66 × 10 ²	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE	2019
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE	2019
Unprotected marine biodiversity sites	39.58	%	60.8	● ↓	39.58	%	2020
Domestic marine biodiversity threats	0.41	spp./million	42.1	● ●	4.80	species	2018
Spillover marine biodiversity threats	0.13	spp./million	27.5	● ●	1.47	species	2018
Fish caught from overexploited or collapsed stocks	22.34	%	64.4	● ↓	22.34	%	2018
Fish caught by trawling	18.77	%	69.4	● →	18.77	%	2018
Domestic vulnerable fisheries catch	18.81	tonnes/capita	29.9	● →	0.22	Tg	2018
Spillover vulnerable fisheries catch	4.98	tonnes/capita	45.9	● ↗	0.06	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	0.99	scale 0 to 1.4	14.8	● ↓	0.99	scale 0 to 1.4	2015
Domestic nitrogen surplus	6.68	kg/capita	82.1	● ↓	74.66	Gg	2015
Spillover nitrogen surplus	1.91	kg/capita	47.7	● ↓	21.33	Tg	2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt	NA
Spillover phosphorus fertilizer	3.34	g/capita	31.9	● ↓	38.58	kt	2018
Water Cycle							
Domestic scarce water consumption	161.37	m ³ H ₂ O-eq./capita	5.1	● ↓	1,866.25	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	27.47	m ³ H ₂ O-eq./capita	56.0	● ↑	317.71	Mm ³ H ₂ O-eq.	2018
Domestic water stress	9.27	ML H ₂ O-eq./capita	7.6	● →	107.20	Bm ³ H ₂ O-eq.	2018
Spillover water stress	2.48	m ³ H ₂ O-eq./capita	34.7	● →	28.70	Mm ³ H ₂ O-eq.	2018

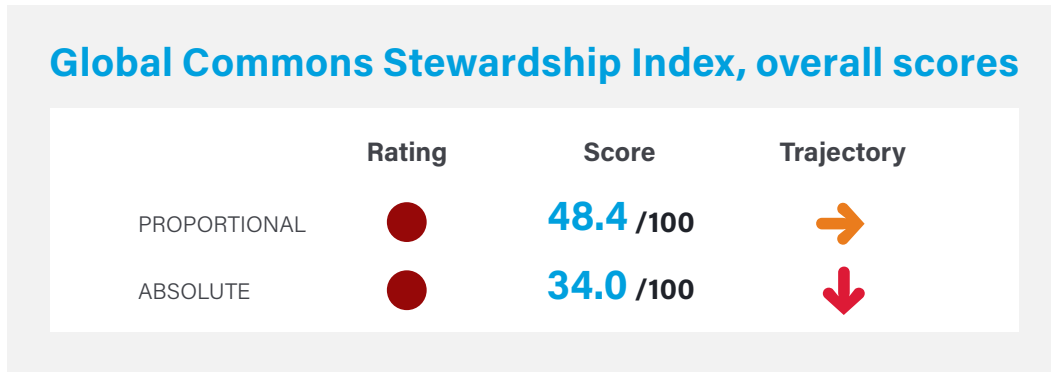
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Turkey

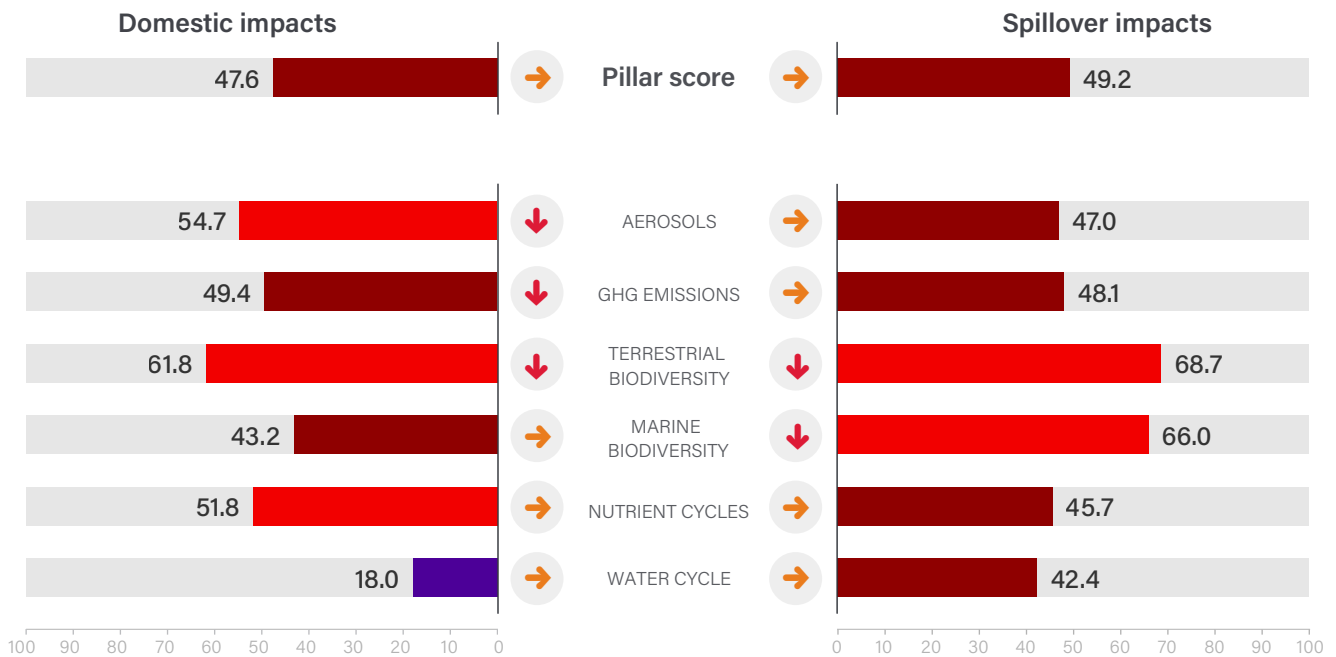
OECD Member

Land area	769,630 sq. km	Population	84.3 million
GDP (PPP, constant 2017 US\$, billions)	\$2,394.0	GDP per capita	\$28,385
Human Development Index (HDI)	0.838	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories

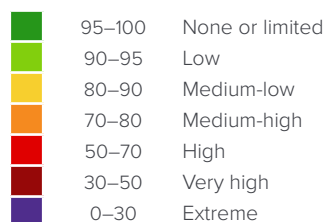


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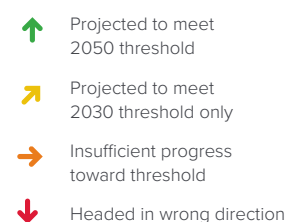
Dashboard categories

Negative impacts on the Global Commons



Trajectories

Based on 5-year growth rates



Turkey

Performance by Indicator

Indicator	Proportional					Absolute		Year
	Value	Units	Score			Value	Units	
Aerosols								
Domestic SO ₂ emissions	22.10	kg/capita	25.6	●	↓	1,819.61	Gg	2018
Spillover SO ₂ emissions	5.21	kg/capita	45.4	●	→	409.24	Gg	2015
Domestic NO _x emissions	13.09	kg/capita	83.2	●	↓	1,077.86	Gg	2018
Spillover NO _x emissions	5.16	kg/capita	44.3	●	→	405.30	Gg	2015
Domestic black carbon emissions	0.35	kg/capita	76.9	●	→	29.09	Gg	2018
Spillover black carbon emissions	0.16	kg/capita	51.7	●	→	12.55	Gg	2015
GHG Emissions								
Domestic GHG emissions	7.37	t CO ₂ e/capita	49.4	●	↓	614.97	Tg	2019
Spillover GHG emissions	2.59	t CO ₂ e/capita	48.1	●	→	213.27	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	0.00	t CO ₂ e/capita	49.5	●	●	0.09	Tg	2020
Terrestrial Biodiversity Loss								
Unprotected terrestrial biodiversity sites	2.33	%	100.0	●	↓	2.33	%	2020
Unprotected freshwater biodiversity sites	4.17	%	100.0	●	↓	4.17	%	2020
Domestic land use related biodiversity loss	1.22 × 10 ⁻¹¹	global PDF/capita	83.8	●	→	1.00 × 10 ⁻³	global PDF	2018
Spillover land use related biodiversity loss	3.32 × 10 ⁻¹²	global PDF/capita	83.1	●	↓	2.74 × 10 ⁻⁴	global PDF	2018
Domestic freshwater biodiversity threats	1.41	spp./million	19.4	●	●	115.92	species	2018
Spillover freshwater biodiversity threats	0.10	spp./million	37.8	●	●	7.87	species	2018
Domestic deforestation	0.41	%	68.9	●	↓	3.71 × 10 ⁴	hectares	2020
Spillover deforestation	1.70 × 10 ⁻³	ha/capita	77.2	●	↓	1.40 × 10 ⁵	hectares	2018
Red List Index of species survival	0.88	scale 0 to 1	66.8	●	↓	0.88	scale 0 to 1	2021
Biodiversity Habitat Index	0.37	scale 0 to 1	12.8	●	●	0.37	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	2.17 × 10 ⁻⁴	WOE/million	97.7	●	●	1.81 × 10 ⁴	WOE	2019
Spillover endangered terrestrial animals	7.07 × 10 ⁻⁴	WOE/capita	91.7	●	●	5.90 × 10 ⁴	WOE	2019
Marine Biodiversity Loss								
Domestic export of endangered marine animals	0.00	WOE/million	100.0	●	●	0.00	WOE	2019
Spillover endangered marine animals	6.56 × 10 ⁻⁵	WOE/capita	95.8	●	●	5.47 × 10 ³	WOE	2019
Unprotected marine biodiversity sites	3.85	%	96.2	●	↓	3.85	%	2020
Domestic marine biodiversity threats	0.17	spp./million	54.9	●	●	13.62	species	2018
Spillover marine biodiversity threats	0.01	spp./million	57.8	●	●	0.98	species	2018
Fish caught from overexploited or collapsed stocks	57.50	%	8.2	●	→	57.50	%	2018
Fish caught by trawling	25.55	%	58.3	●	→	25.55	%	2018
Domestic vulnerable fisheries catch	4.79	tonnes/capita	47.8	●	→	0.39	Tg	2018
Spillover vulnerable fisheries catch	3.47	tonnes/capita	51.9	●	↓	0.29	tonnes	2018
Nutrient Cycles								
Sustainable Nitrogen Management Index	0.62	scale 0 to 1.4	47.5	●	→	0.62	scale 0 to 1.4	2015
Domestic nitrogen surplus	10.18	kg/capita	72.0	●	↓	799.56	Gg	2015
Spillover nitrogen surplus	2.77	kg/capita	40.6	●	→	217.66	Tg	2015
Domestic phosphorus fertilizer	6.33	kg/capita	43.1	●	→	521.06	kt	2018
Spillover phosphorus fertilizer	1.77	g/capita	51.5	●	→	146.10	kt	2018
Water Cycle								
Domestic scarce water consumption	43.56	m ³ H ₂ O-eq./capita	19.8	●	→	3,587.00	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	50.92	m ³ H ₂ O-eq./capita	39.9	●	↓	4,192.37	Mm ³ H ₂ O-eq.	2018
Domestic water stress	6.48	ML H ₂ O-eq./capita	12.3	●	→	533.53	Bm ³ H ₂ O-eq.	2018
Spillover water stress	1.67	m ³ H ₂ O-eq./capita	45.0	●	→	137.10	Mm ³ H ₂ O-eq.	2018

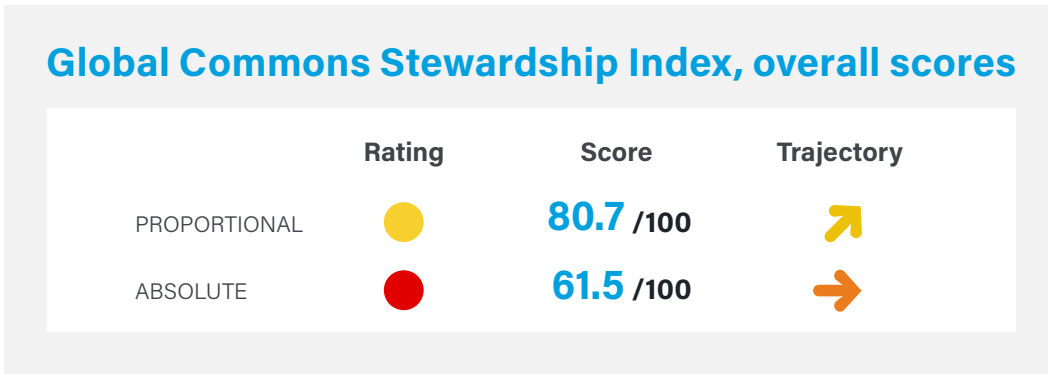
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Uganda

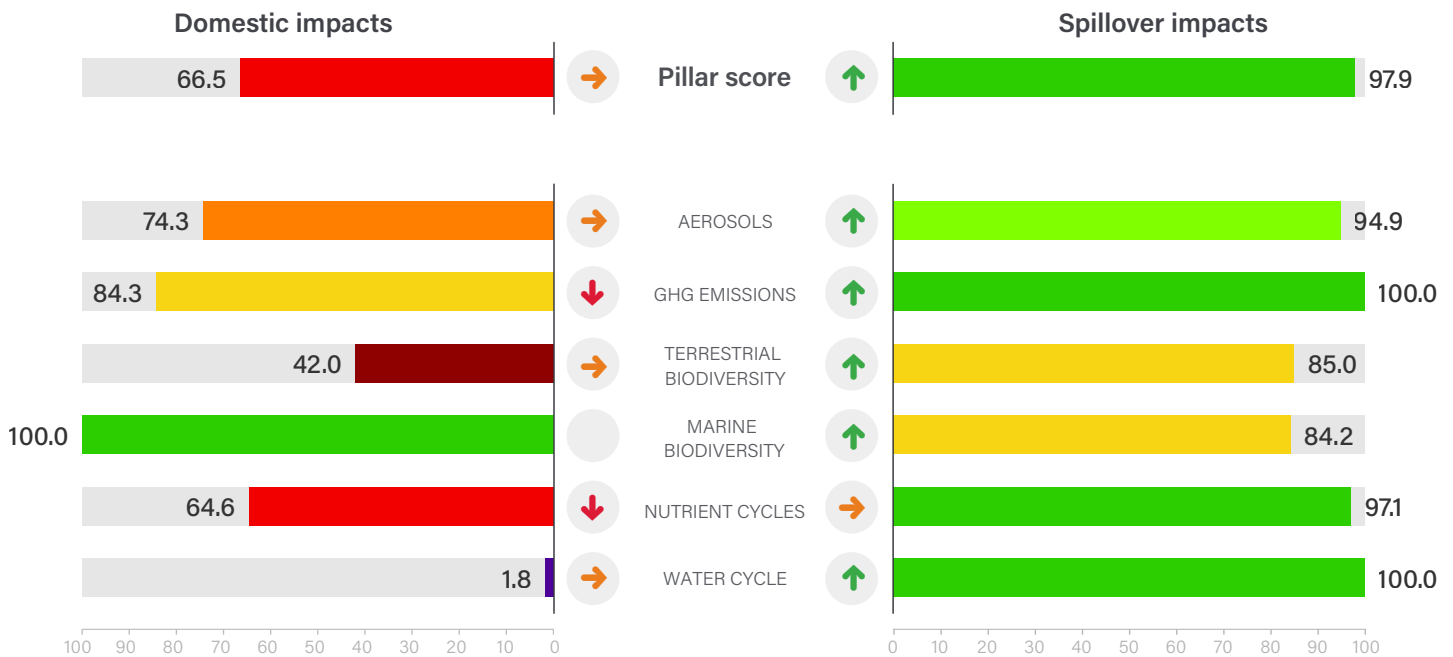
Africa

Land area	200,520 sq. km	Population	45.7 million
GDP (PPP, constant 2017 US\$, billions)	\$99.6	GDP per capita	\$2,178
Human Development Index (HDI)	0.525	HDI category	Low



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons



Trajectories

Based on 5-year growth rates



Uganda

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	0.98	kg/capita	97.4	● ↗	41.70	Gg	2018
Spillover SO ₂ emissions	0.47	kg/capita	100.0	● ↑	17.87	Gg	2015
Domestic NO _x emissions	2.39	kg/capita	100.0	● ↓	102.24	Gg	2018
Spillover NO _x emissions	0.41	kg/capita	100.0	● ↑	15.72	Gg	2015
Domestic black carbon emissions	0.74	kg/capita	42.1	● →	31.57	Gg	2018
Spillover black carbon emissions	0.05	kg/capita	85.5	● ↑	1.80	Gg	2015
GHG Emissions							
Domestic GHG emissions	3.00	t CO ₂ e/capita	84.3	● ↓	132.84	Tg	2019
Spillover GHG emissions	0.21	t CO ₂ e/capita	100.0	● ↑	9.06	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	NA	t CO ₂ e/capita	NA	● ●	NA	Tg	NA
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	72.24	%	29.1	● ↓	72.24	%	2020
Unprotected freshwater biodiversity sites	48.48	%	54.2	● ↓	48.48	%	2020
Domestic land use related biodiversity loss	1.10 × 10 ⁻¹²	global PDF/capita	98.6	● ↗	4.70 × 10 ⁻⁵	global PDF	2018
Spillover land use related biodiversity loss	2.59 × 10 ⁻¹³	global PDF/capita	100.0	● ↑	1.11 × 10 ⁻⁵	global PDF	2018
Domestic freshwater biodiversity threats	1.34	spp./million	20.1	● ●	5717	species	2018
Spillover freshwater biodiversity threats	0.04	spp./million	52.1	● ●	1.74	species	2018
Domestic deforestation	1.07	%	20.0	● ↓	7.39 × 10 ⁴	hectares	2020
Spillover deforestation	1.19 × 10 ⁻⁴	ha/capita	100.0	● ↑	5.07 × 10 ³	hectares	2018
Red List Index of species survival	0.75	scale 0 to 1	26.4	● ↓	0.75	scale 0 to 1	2021
Biodiversity Habitat Index	0.41	scale 0 to 1	17.5	● ●	0.41	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	1.99 × 10 ⁻⁶	WOE/million	100.0	● ●	8.80 × 10	WOE	2019
Spillover endangered terrestrial animals	0.00	WOE/capita	100.0	● ●	0.00	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	NA	WOE/million	NA	● ●	NA	WOE	NA
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE	2019
Unprotected marine biodiversity sites	NA	%	NA	● ●	NA	%	NA
Domestic marine biodiversity threats	0.00	spp./million	100.0	● ●	0.10	species	2018
Spillover marine biodiversity threats	0.01	spp./million	59.7	● ●	0.44	species	2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	● ●	NA	%	NA
Fish caught by trawling	NA	%	NA	● ●	NA	%	NA
Domestic vulnerable fisheries catch	NA	tonnes/capita	NA	● ●	NA	Tg	NA
Spillover vulnerable fisheries catch	0.14	tonnes/capita	100.0	● ↑	0.01	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	0.84	scale 0 to 1.4	28.4	● →	0.84	scale 0 to 1.4	2015
Domestic nitrogen surplus	2.15	kg/capita	95.2	● ↓	82.08	Gg	2015
Spillover nitrogen surplus	0.16	kg/capita	94.3	● ↑	6.25	Tg	2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt	NA
Spillover phosphorus fertilizer	0.28	g/capita	100.0	● ↓	12.07	kt	2018
Water Cycle							
Domestic scarce water consumption	2,283.47	m ³ H ₂ O-eq./capita	1.0	● →	97,570.59	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	5.32	m ³ H ₂ O-eq./capita	98.7	● ↑	299.67	Mm ³ H ₂ O-eq.	2018
Domestic water stress	3.17	ML H ₂ O-eq./capita	21.5	● →	135.66	Bm ³ H ₂ O-eq.	2018
Spillover water stress	0.20	m ³ H ₂ O-eq./capita	100.0	● ↑	11.10	Mm ³ H ₂ O-eq.	2018

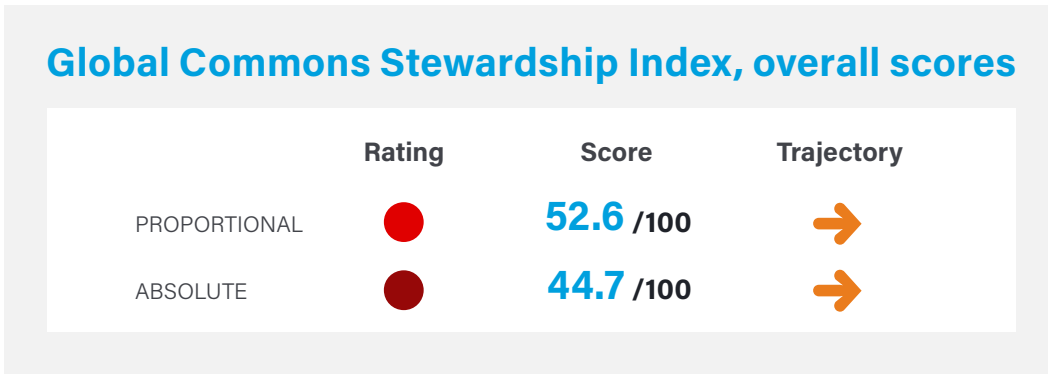
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Ukraine

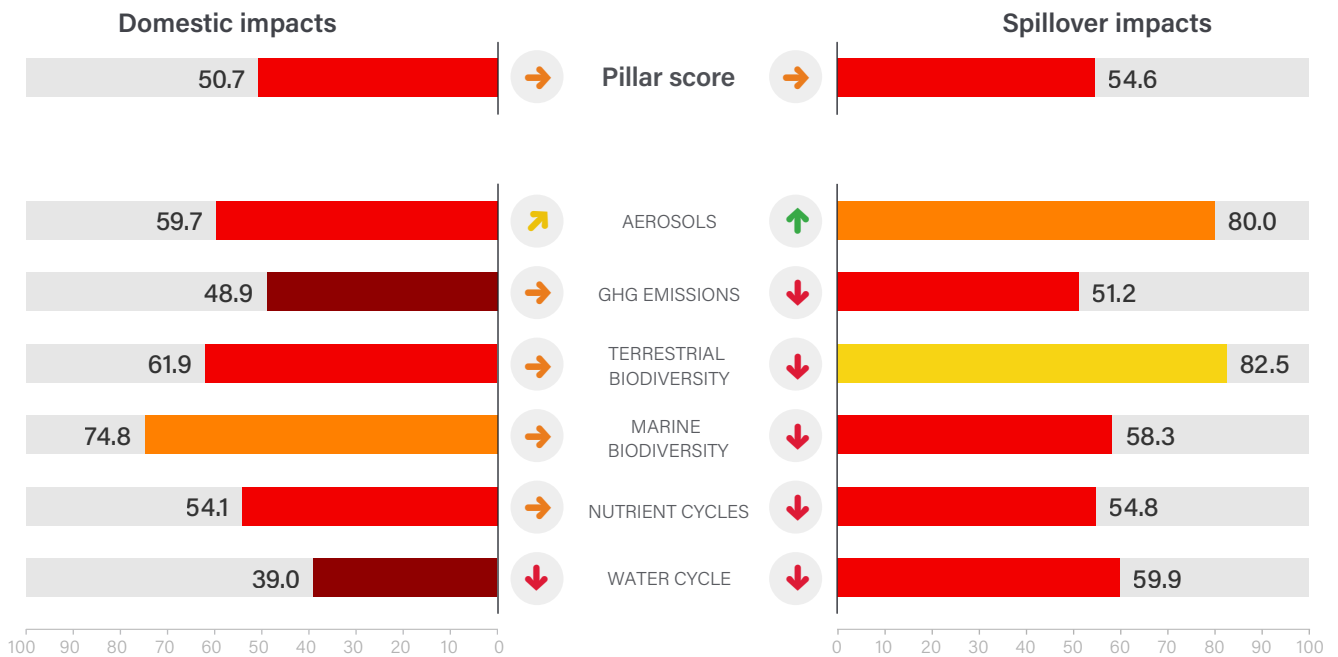
Eastern Europe and Central Asia

Land area	579,400 sq. km	Population	44.1 million
GDP (PPP, constant 2017 US\$, billions)	\$516.7	GDP per capita	\$11,707
Human Development Index (HDI)	0.773	HDI category	High



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

95–100	None or limited
90–95	Low
80–90	Medium-low
70–80	Medium-high
50–70	High
30–50	Very high
0–30	Extreme





































































Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Ukraine

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	19.34	kg/capita	28.7	 	862.90	Gg	2018
Spillover SO ₂ emissions	1.56	kg/capita	78.7	 	70.29	Gg	2015
Domestic NO _x emissions	13.80	kg/capita	81.8	 	615.79	Gg	2018
Spillover NO _x emissions	1.68	kg/capita	74.1	 	76.01	Gg	2015
Domestic black carbon emissions	0.20	kg/capita	90.7	 	8.95	Gg	2018
Spillover black carbon emissions	0.04	kg/capita	87.7	 	1.96	Gg	2015
GHG Emissions							
Domestic GHG emissions	6.67	t CO ₂ e/capita	53.3	 	295.92	Tg	2019
Spillover GHG emissions	2.31	t CO ₂ e/capita	51.2	 	103.28	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	0.01	t CO ₂ e/capita	37.7	 	0.61	Tg	2020
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	21.72	%	80.3	 	21.72	%	2020
Unprotected freshwater biodiversity sites	16.17	%	87.6	 	16.17	%	2020
Domestic land use related biodiversity loss	6.49 × 10 ⁻¹²	global PDF/capita	91.4	 	2.90 × 10 ⁻⁴	global PDF	2018
Spillover land use related biodiversity loss	1.32 × 10 ⁻¹²	global PDF/capita	95.1	 	5.90 × 10 ⁻⁵	global PDF	2018
Domestic freshwater biodiversity threats	0.27	spp./million	42.0	 	11.91	species	2018
Spillover freshwater biodiversity threats	0.05	spp./million	50.1	 	2.04	species	2018
Domestic deforestation	0.55	%	58.7	 	6.25 × 10 ⁴	hectares	2020
Spillover deforestation	3.01 × 10 ⁻⁴	ha/capita	97.7	 	1.34 × 10 ⁴	hectares	2018
Red List Index of species survival	0.94	scale 0 to 1	83.9	 	0.94	scale 0 to 1	2021
Biodiversity Habitat Index	0.30	scale 0 to 1	2.5	 	0.30	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	9.01 × 10 ⁻⁸	WOE/million	100.0	 	4.00	WOE	2019
Spillover endangered terrestrial animals	1.85 × 10 ⁻⁵	WOE/capita	99.8	 	8.19 × 10 ²	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	0.00	WOE/million	100.0	 	0.00	WOE	2019
Spillover endangered marine animals	8.58 × 10 ⁻⁶	WOE/capita	99.5	 	3.81 × 10 ²	WOE	2019
Unprotected marine biodiversity sites	30.74	%	69.6	 	30.74	%	2020
Domestic marine biodiversity threats	0.02	spp./million	81.1	 	1.09	species	2018
Spillover marine biodiversity threats	0.01	spp./million	64.1	 	0.32	species	2018
Fish caught from overexploited or collapsed stocks	8.04	%	87.2	 	8.04	%	2018
Fish caught by trawling	15.21	%	75.3	 	15.21	%	2018
Domestic vulnerable fisheries catch	2.12	tonnes/capita	58.5	 	0.09	Tg	2018
Spillover vulnerable fisheries catch	12.04	tonnes/capita	31.1	 	0.54	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	0.38	scale 0 to 1.4	67.6	 	0.38	scale 0 to 1.4	2015
Domestic nitrogen surplus	6.24	kg/capita	83.4	 	281.81	Gg	2015
Spillover nitrogen surplus	2.40	kg/capita	43.3	 	108.43	Tg	2015
Domestic phosphorus fertilizer	9.20	kg/capita	33.1	 	410.35	kt	2018
Spillover phosphorus fertilizer	0.99	g/capita	69.4	 	44.39	kt	2018
Water Cycle							
Domestic scarce water consumption	8.16	m ³ H ₂ O-eq./capita	38.7	 	364.05	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	4.16	m ³ H ₂ O-eq./capita	100.0	 	177.88	Mm ³ H ₂ O-eq.	2018
Domestic water stress	0.74	ML H ₂ O-eq./capita	40.2	 	33.16	Bm ³ H ₂ O-eq.	2018
Spillover water stress	0.15	m ³ H ₂ O-eq./capita	100.0	 	6.53	Mm ³ H ₂ O-eq.	2018

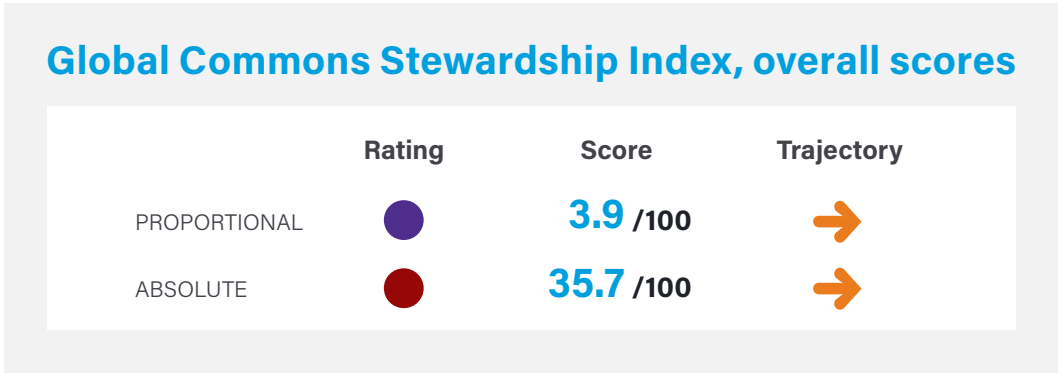
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

United Arab Emirates

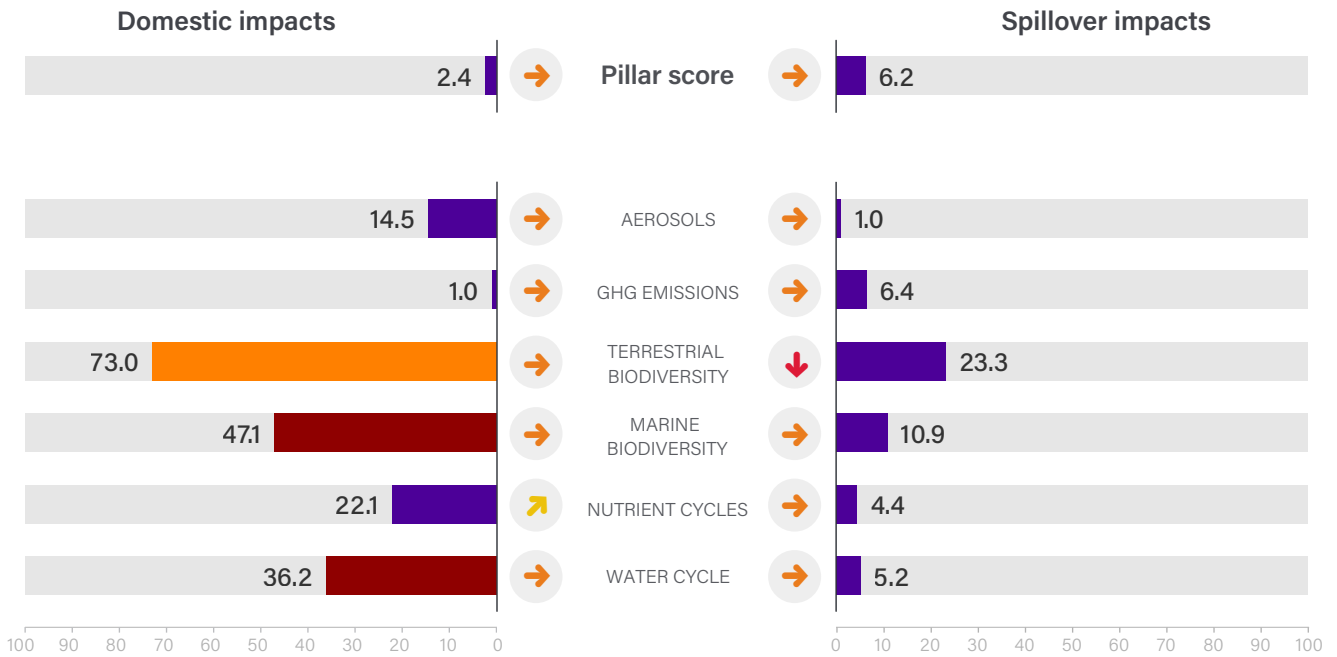
Middle East and North Africa

Land area	71,020 sq. km	Population	9.9 million
GDP (PPP, constant 2017 US\$, billions)	\$626.1	GDP per capita	\$63,299
Human Development Index (HDI)	0.911	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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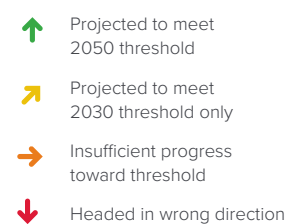
Dashboard categories

Negative impacts on the Global Commons



Trajectories

Based on 5-year growth rates



United Arab Emirates

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	11.86	kg/capita	39.9	● →	114.25	Gg	2018
Spillover SO ₂ emissions	26.04	kg/capita	1.0	● →	241.23	Gg	2015
Domestic NO _x emissions	60.98	kg/capita	1.0	● →	587.27	Gg	2018
Spillover NO _x emissions	26.36	kg/capita	1.0	● →	244.22	Gg	2015
Domestic black carbon emissions	0.36	kg/capita	76.6	● ↗	3.44	Gg	2018
Spillover black carbon emissions	1.00	kg/capita	1.0	● →	9.23	Gg	2015
GHG Emissions							
Domestic GHG emissions	27.39	t CO ₂ e/capita	1.0	● →	267.60	Tg	2019
Spillover GHG emissions	11.44	t CO ₂ e/capita	6.4	● →	110.16	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	43.15	t CO ₂ e/capita	1.0	● ●	426.78	Tg	2020
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	51.55	%	50.1	● ↓	51.55	%	2020
Unprotected freshwater biodiversity sites	NA	%	NA	● ●	NA	%	NA
Domestic land use related biodiversity loss	3.27 × 10 ⁻¹⁴	global PDF/capita	100.0	● ↗	3.15 × 10 ⁻⁷	global PDF	2018
Spillover land use related biodiversity loss	1.01 × 10 ⁻¹¹	global PDF/capita	42.4	● ↓	9.74 × 10 ⁻⁵	global PDF	2018
Domestic freshwater biodiversity threats	0.01	spp./million	83.5	● ●	0.11	species	2018
Spillover freshwater biodiversity threats	0.97	spp./million	1.0	● ●	9.35	species	2018
Domestic deforestation	NA	%	NA	● ●	NA	hectares	NA
Spillover deforestation	2.14 × 10 ⁻³	ha/capita	70.7	● ↓	2.06 × 10 ⁴	hectares	2018
Red List Index of species survival	0.85	scale 0 to 1	57.1	● ↓	0.85	scale 0 to 1	2021
Biodiversity Habitat Index	0.61	scale 0 to 1	45.9	● ●	0.61	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	0.00	WOE/million	100.0	● ●	0.00	WOE	2019
Spillover endangered terrestrial animals	2.23 × 10 ⁻⁴	WOE/capita	97.4	● ●	2.17 × 10 ³	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE	2019
Spillover endangered marine animals	1.02 × 10 ⁻³	WOE/capita	34.7	● ●	9.98 × 10 ³	WOE	2019
Unprotected marine biodiversity sites	48.61	%	51.9	● ↓	48.61	%	2020
Domestic marine biodiversity threats	0.33	spp./million	45.2	● ●	3.20	species	2018
Spillover marine biodiversity threats	1.01	spp./million	1.0	● ●	9.68	species	2018
Fish caught from overexploited or collapsed stocks	49.53	%	20.9	● ↓	49.53	%	2018
Fish caught by trawling	0.00	%	100.0	● ●	0.00	%	2018
Domestic vulnerable fisheries catch	9.64	tonnes/capita	38.6	● →	0.09	Tg	2018
Spillover vulnerable fisheries catch	8.16	tonnes/capita	37.6	● →	0.08	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	1.20	scale 0 to 1.4	1.0	● →	1.20	scale 0 to 1.4	2015
Domestic nitrogen surplus	1.66	kg/capita	96.6	● ↑	15.38	Gg	2015
Spillover nitrogen surplus	25.07	kg/capita	1.0	● ↓	232.21	Tg	2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt	NA
Spillover phosphorus fertilizer	5.05	g/capita	19.1	● →	48.59	kt	2018
Water Cycle							
Domestic scarce water consumption	6.15	m ³ H ₂ O-eq./capita	41.8	● →	59.25	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	19.73	m ³ H ₂ O-eq./capita	64.6	● →	880.49	Mm ³ H ₂ O-eq.	2018
Domestic water stress	3.46	ML H ₂ O-eq./capita	20.4	● →	33.37	Bm ³ H ₂ O-eq.	2018
Spillover water stress	1.11	m ³ H ₂ O-eq./capita	55.5	● →	49.48	Mm ³ H ₂ O-eq.	2018

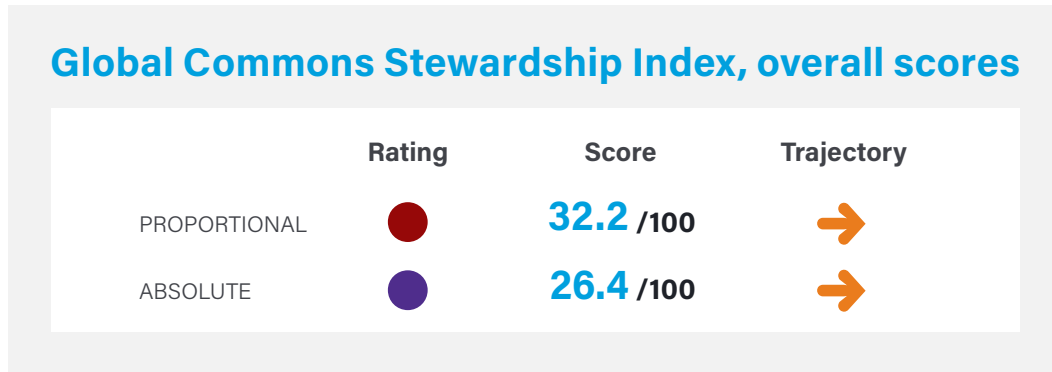
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

United Kingdom

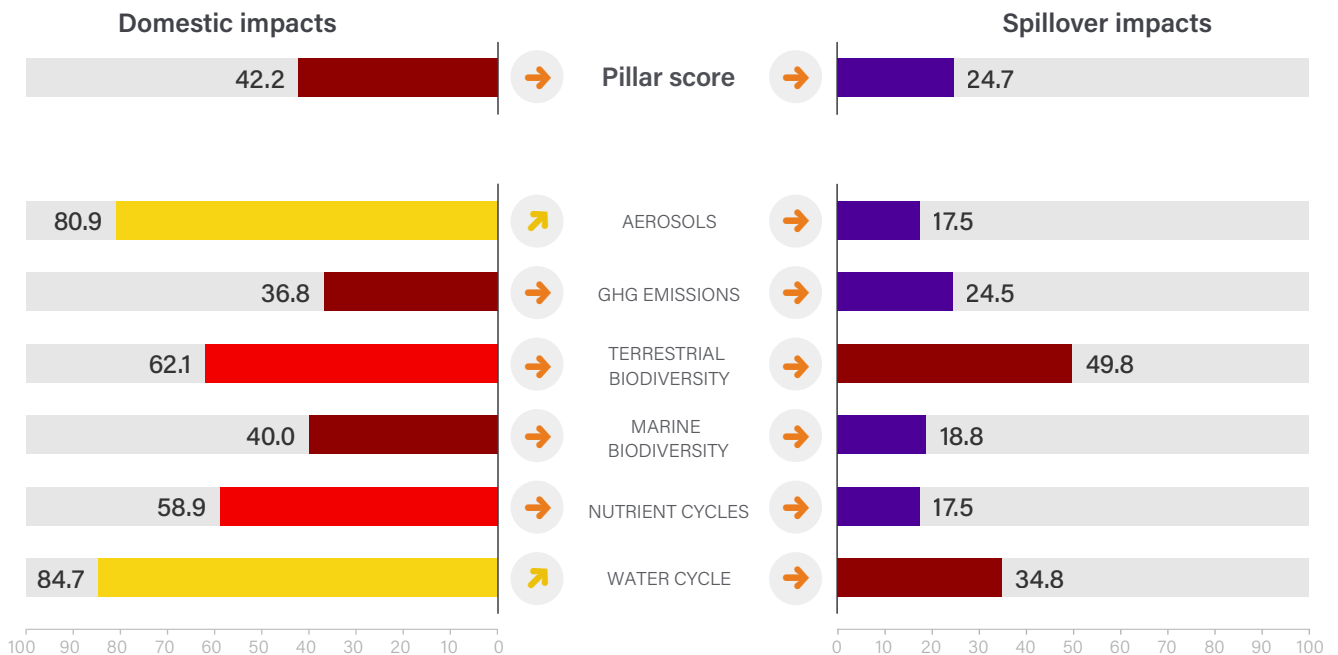
OECD Member

Land area	241,930 sq. km	Population	67.2 million
GDP (PPP, constant 2017 US\$, billions)	\$2,798.0	GDP per capita	\$41,606
Human Development Index (HDI)	0.929	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories

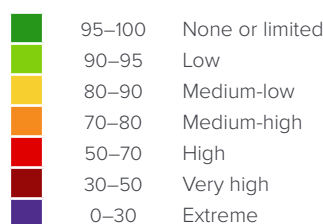


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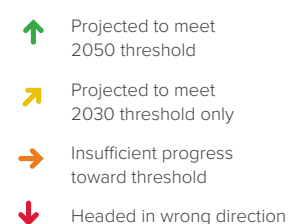
Dashboard categories

Negative impacts on the Global Commons



Trajectories

Based on 5-year growth rates



United Kingdom

Performance by Indicator

Indicator	Proportional		Score		Absolute		Year
	Value	Units			Value	Units	
Aerosols							
Domestic SO ₂ emissions	3.65	kg/capita	67.0	● ↑	242.74	Gg	2018
Spillover SO ₂ emissions	12.34	kg/capita	21.6	● →	804.03	Gg	2015
Domestic NO _x emissions	12.56	kg/capita	84.3	● →	834.88	Gg	2018
Spillover NO _x emissions	16.22	kg/capita	13.9	● →	1,056.64	Gg	2015
Domestic black carbon emissions	0.17	kg/capita	93.8	● ↗	11.01	Gg	2018
Spillover black carbon emissions	0.54	kg/capita	17.8	● →	35.43	Gg	2015
GHG Emissions							
Domestic GHG emissions	7.62	t CO ₂ e/capita	48.1	● →	509.66	Tg	2019
Spillover GHG emissions	6.00	t CO ₂ e/capita	24.5	● →	398.77	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	1.43	t CO ₂ e/capita	16.6	● ●	95.84	Tg	2021
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	86.37	%	14.8	● ↓	86.37	%	2020
Unprotected freshwater biodiversity sites	91.15	%	10.1	● ↓	91.15	%	2020
Domestic land use related biodiversity loss	5.25 × 10 ⁻¹³	global PDF/capita	99.3	● ↗	3.49 × 10 ⁻⁵	global PDF	2018
Spillover land use related biodiversity loss	5.96 × 10 ⁻¹²	global PDF/capita	67.4	● →	3.96 × 10 ⁻⁴	global PDF	2018
Domestic freshwater biodiversity threats	0.10	spp./million	55.5	● ●	6.73	species	2018
Spillover freshwater biodiversity threats	0.35	spp./million	16.1	● ●	23.28	species	2018
Domestic deforestation	0.50	%	62.7	● →	2.47 × 10 ⁴	hectares	2020
Spillover deforestation	2.97 × 10 ⁻³	ha/capita	58.6	● ↓	1.97 × 10 ⁵	hectares	2018
Red List Index of species survival	0.96	scale 0 to 1	91.7	● ↓	0.96	scale 0 to 1	2021
Biodiversity Habitat Index	0.37	scale 0 to 1	12.0	● ●	0.37	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	3.89 × 10 ⁻⁷	WOE/million	100.0	● ●	2.60 × 10	WOE	2019
Spillover endangered terrestrial animals	2.39 × 10 ⁻⁴	WOE/capita	97.2	● ●	1.60 × 10 ⁴	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE	2019
Spillover endangered marine animals	1.39 × 10 ⁻³	WOE/capita	11.4	● ●	9.27 × 10 ⁴	WOE	2019
Unprotected marine biodiversity sites	85.31	%	15.5	● ↓	85.31	%	2020
Domestic marine biodiversity threats	0.11	spp./million	60.2	● ●	7.57	species	2018
Spillover marine biodiversity threats	0.22	spp./million	20.8	● ●	14.46	species	2018
Fish caught from overexploited or collapsed stocks	24.81	%	60.4	● →	24.81	%	2018
Fish caught by trawling	23.16	%	62.3	● ↓	23.16	%	2018
Domestic vulnerable fisheries catch	31.73	tonnes/capita	23.0	● →	2.11	Tg	2018
Spillover vulnerable fisheries catch	14.35	tonnes/capita	28.2	● →	0.95	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	0.58	scale 0 to 1.4	50.6	● ↓	0.58	scale 0 to 1.4	2015
Domestic nitrogen surplus	14.09	kg/capita	60.8	● ↓	918.20	Gg	2015
Spillover nitrogen surplus	12.60	kg/capita	11.9	● ↓	821.11	Tg	2015
Domestic phosphorus fertilizer	2.83	kg/capita	64.6	● ↗	188.00	kt	2018
Spillover phosphorus fertilizer	4.08	g/capita	25.7	● →	271.09	kt	2018
Water Cycle							
Domestic scarce water consumption	0.10	m ³ H ₂ O-eq./capita	88.4	● ↑	6.46	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	9.95	m ³ H ₂ O-eq./capita	82.4	● →	34.33	Mm ³ H ₂ O-eq.	2018
Domestic water stress	0.07	ML H ₂ O-eq./capita	71.4	● ↓	4.42	Bm ³ H ₂ O-eq.	2018
Spillover water stress	0.73	m ³ H ₂ O-eq./capita	66.3	● ↓	2.53	Mm ³ H ₂ O-eq.	2018

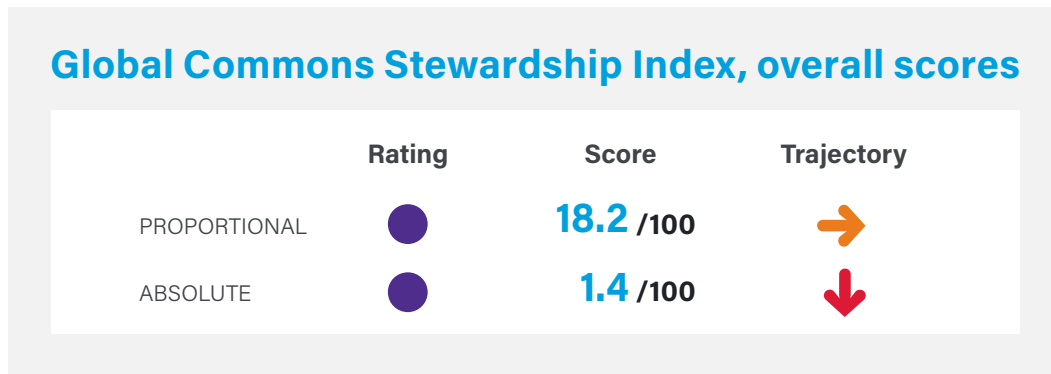
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

United States

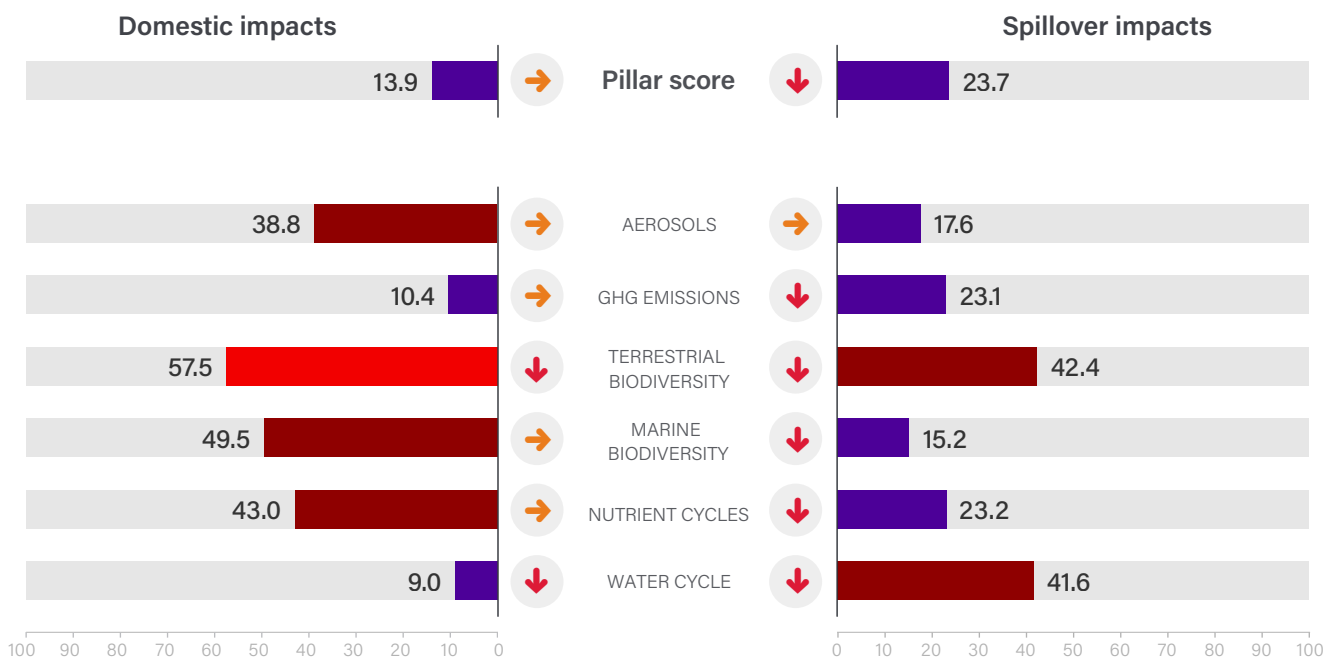
OECD Member

Land area	9,147,420 sq. km	Population	333.1 million
GDP (PPP, constant 2017 US\$, billions)	\$19,953.5	GDP per capita	\$59,909
Human Development Index (HDI)	0.921	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories



The Global Commons Stewardship Index

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Dashboard categories

Negative impacts on the Global Commons

95–100	None or limited
90–95	Low
80–90	Medium-low
70–80	Medium-high
50–70	High
30–50	Very high
0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

United States

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	22.85	kg/capita	24.8	● →	7,550.90	Gg 2018
Spillover SO ₂ emissions	13.43	kg/capita	19.3	● →	4,357.70	Gg 2015
Domestic NO _x emissions	33.26	kg/capita	41.9	● →	10,989.22	Gg 2018
Spillover NO _x emissions	14.95	kg/capita	16.1	● ↓	4,852.23	Gg 2015
Domestic black carbon emissions	0.58	kg/capita	56.2	● →	192.23	Gg 2018
Spillover black carbon emissions	0.55	kg/capita	17.6	● →	177.48	Gg 2015
GHG Emissions						
Domestic GHG emissions	20.68	t CO ₂ e/capita	9.4	● →	6,864.23	Tg 2019
Spillover GHG emissions	6.31	t CO ₂ e/capita	23.1	● ↓	2,086.10	Tg 2018
CO ₂ emissions embodied in fossil fuel exports	2.41	t CO ₂ e/capita	14.2	● ●	802.52	Tg 2021
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	34.92	%	67.0	● ↓	34.92	% 2020
Unprotected freshwater biodiversity sites	28.62	%	74.7	● ↓	28.62	% 2020
Domestic land use related biodiversity loss	7.26 × 10 ⁻¹²	global PDF/capita	90.4	● →	2.40 × 10 ⁻³	global PDF 2018
Spillover land use related biodiversity loss	1.04 × 10 ⁻¹¹	global PDF/capita	40.8	● ↓	3.43 × 10 ⁻³	global PDF 2018
Domestic freshwater biodiversity threats	1.59	spp./million	17.7	● ●	520.59	species 2018
Spillover freshwater biodiversity threats	0.38	spp./million	14.6	● ●	123.29	species 2018
Domestic deforestation	0.52	%	60.6	● ↓	1.43 × 10 ⁶	hectares 2020
Spillover deforestation	3.02 × 10 ⁻³	ha/capita	57.9	● ↓	9.97 × 10 ⁵	hectares 2018
Red List Index of species survival	0.83	scale 0 to 1	51.7	● ↓	0.83	scale 0 to 1 2021
Biodiversity Habitat Index	0.46	scale 0 to 1	25.5	● ●	0.46	scale 0 to 1 2020
Domestic export of endangered terrestrial animals	2.30 × 10 ⁻³	WOE/million	76.0	● ●	7.63 × 10 ⁵	WOE 2019
Spillover endangered terrestrial animals	5.54 × 10 ⁻⁴	WOE/capita	93.5	● ●	1.84 × 10 ⁵	WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	3.61 × 10 ⁻⁵	WOE/million	98.8	● ●	1.20 × 10 ⁴	WOE 2019
Spillover endangered marine animals	1.37 × 10 ⁻³	WOE/capita	12.4	● ●	4.55 × 10 ⁵	WOE 2019
Unprotected marine biodiversity sites	31.82	%	68.5	● ↓	31.82	% 2020
Domestic marine biodiversity threats	0.83	spp./million	32.5	● ●	272.66	species 2018
Spillover marine biodiversity threats	0.45	spp./million	11.2	● ●	148.77	species 2018
Fish caught from overexploited or collapsed stocks	22.12	%	64.7	● →	22.12	% 2018
Fish caught by trawling	18.98	%	69.1	● ↓	18.98	% 2018
Domestic vulnerable fisheries catch	27.16	tonnes/capita	25.0	● ↓	8.97	Tg 2018
Spillover vulnerable fisheries catch	17.07	tonnes/capita	25.3	● ↓	5.64	tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.32	scale 0 to 1.4	73.1	● ↓	0.32	scale 0 to 1.4 2015
Domestic nitrogen surplus	17.86	kg/capita	49.9	● →	5,798.47	Gg 2015
Spillover nitrogen surplus	8.79	kg/capita	18.7	● ↓	2,854.60	Tg 2015
Domestic phosphorus fertilizer	12.05	kg/capita	25.8	● ↓	3,982.58	kt 2018
Spillover phosphorus fertilizer	3.70	g/capita	28.7	● ↓	1,222.39	kt 2018
Water Cycle						
Domestic scarce water consumption	123.55	m ³ H ₂ O-eq./capita	8.1	● ↓	40,822.34	Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	42.81	m ³ H ₂ O-eq./capita	44.4	● ↓	14,144.90	Mm ³ H ₂ O-eq. 2018
Domestic water stress	6.04	ML H ₂ O-eq./capita	13.2	● ↓	1,996.73	Bm ³ H ₂ O-eq. 2018
Spillover water stress	2.11	m ³ H ₂ O-eq./capita	38.9	● ↓	697.43	Mm ³ H ₂ O-eq. 2018

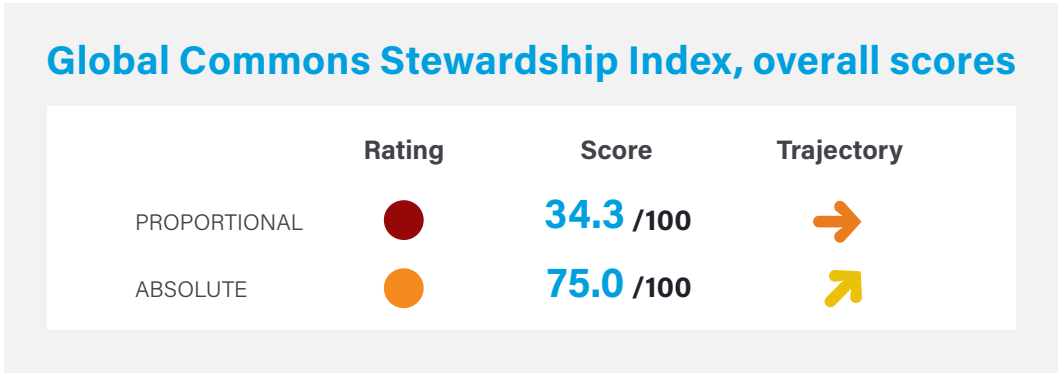
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Uruguay

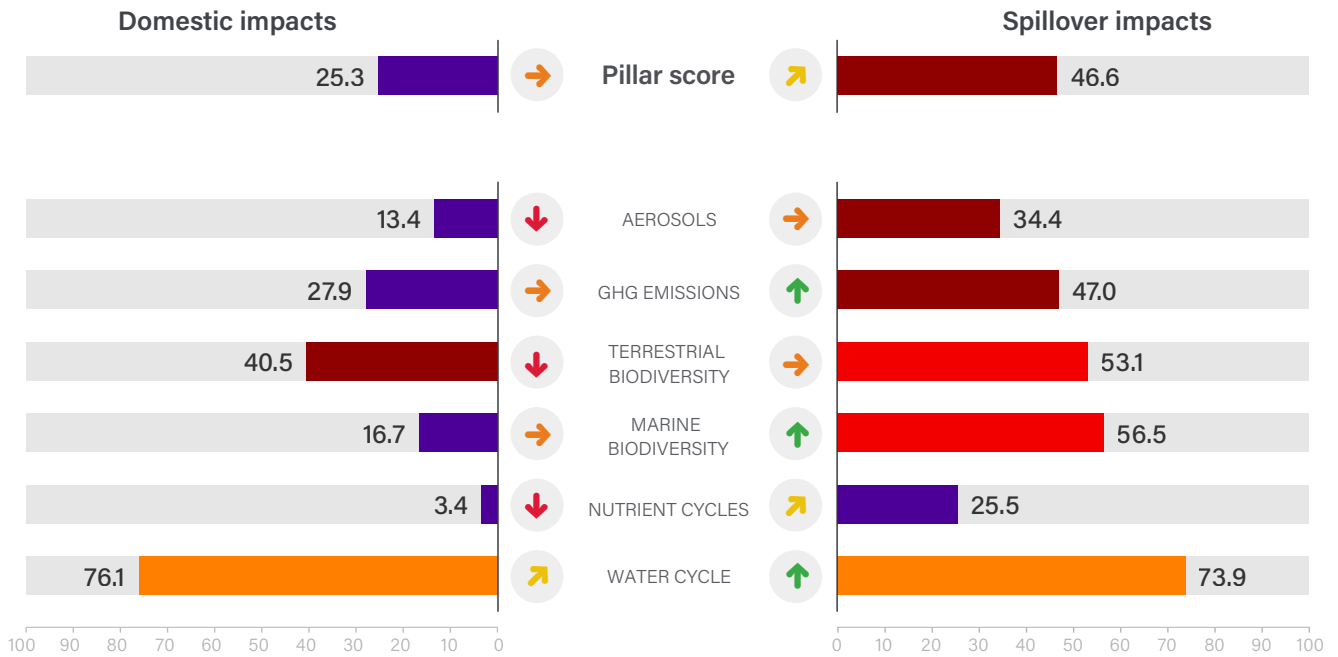
Latin America and Caribbean

Land area	175,020 sq. km	Population	3.5 million
GDP (PPP, constant 2017 US\$, billions)	\$75.1	GDP per capita	\$21,608
Human Development Index (HDI)	0.809	HDI category	Very high



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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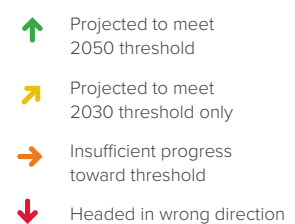
Dashboard categories

Negative impacts on the Global Commons



Trajectories

Based on 5-year growth rates



Uruguay

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	12.76	kg/capita	38.2	● →	44.02	Gg	2018
Spillover SO ₂ emissions	6.38	kg/capita	39.8	● ↓	21.78	Gg	2015
Domestic NO _x emissions	22.96	kg/capita	63.0	● ↓	79.20	Gg	2018
Spillover NO _x emissions	6.77	kg/capita	37.1	● ↑	23.11	Gg	2015
Domestic black carbon emissions	2.07	kg/capita	1.0	● ↓	7.14	Gg	2018
Spillover black carbon emissions	0.38	kg/capita	27.5	● →	1.31	Gg	2015
GHG Emissions							
Domestic GHG emissions	16.46	t CO ₂ e/capita	18.2	● →	56.97	Tg	2019
Spillover GHG emissions	2.70	t CO ₂ e/capita	47.0	● ↑	9.30	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	0.00	t CO ₂ e/capita	100.0	● ●	0.00	Tg	2018
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	23.30	%	78.7	● ↓	23.30	%	2020
Unprotected freshwater biodiversity sites	28.27	%	75.1	● ↓	28.27	%	2020
Domestic land use related biodiversity loss	3.59 × 10 ⁻¹¹	global PDF/capita	52.2	● →	1.24 × 10 ⁻⁴	global PDF	2018
Spillover land use related biodiversity loss	1.41 × 10 ⁻¹¹	global PDF/capita	18.7	● →	4.86 × 10 ⁻⁵	global PDF	2018
Domestic freshwater biodiversity threats	1.32	spp./million	20.2	● ●	4.57	species	2018
Spillover freshwater biodiversity threats	0.02	spp./million	67.5	● ●	0.06	species	2018
Domestic deforestation	0.72	%	46.0	● →	1.52 × 10 ⁴	hectares	2020
Spillover deforestation	2.66 × 10 ⁻³	ha/capita	63.1	● →	9.18 × 10 ³	hectares	2018
Red List Index of species survival	0.85	scale 0 to 1	58.6	● ↓	0.85	scale 0 to 1	2021
Biodiversity Habitat Index	0.29	scale 0 to 1	1.0	● ●	0.29	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	2.89 × 10 ⁻⁶	WOE/million	100.0	● ●	1.00 × 10	WOE	2019
Spillover endangered terrestrial animals	2.31 × 10 ⁻⁶	WOE/capita	100.0	● ●	8.00	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	2.83 × 10 ⁻⁵	WOE/million	99.0	● ●	9.80 × 10	WOE	2019
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE	2019
Unprotected marine biodiversity sites	53.79	%	46.8	● ↓	53.79	%	2020
Domestic marine biodiversity threats	1.19	spp./million	27.5	● ●	4.11	species	2018
Spillover marine biodiversity threats	0.05	spp./million	39.9	● ●	0.17	species	2018
Fish caught from overexploited or collapsed stocks	42.53	%	32.1	● ↓	42.53	%	2018
Fish caught by trawling	60.46	%	1.0	● ↓	60.46	%	2018
Domestic vulnerable fisheries catch	40.20	tonnes/capita	19.9	● →	0.14	Tg	2018
Spillover vulnerable fisheries catch	5.19	tonnes/capita	45.2	● ↑	0.02	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	0.47	scale 0 to 1.4	60.0	● ↓	0.47	scale 0 to 1.4	2015
Domestic nitrogen surplus	47.91	kg/capita	1.0	● ↓	163.46	Gg	2015
Spillover nitrogen surplus	11.31	kg/capita	13.9	● ↓	38.58	Tg	2015
Domestic phosphorus fertilizer	44.33	kg/capita	1.0	● →	152.90	kt	2018
Spillover phosphorus fertilizer	2.06	g/capita	46.8	● ↑	7.12	kt	2018
Water Cycle							
Domestic scarce water consumption	0.12	m ³ H ₂ O-eq./capita	85.7	● ↗	0.43	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	6.70	m ³ H ₂ O-eq./capita	92.7	● ↑	220.74	Mm ³ H ₂ O-eq.	2018
Domestic water stress	0.43	ML H ₂ O-eq./capita	47.2	● ↗	1.49	Bm ³ H ₂ O-eq.	2018
Spillover water stress	0.35	m ³ H ₂ O-eq./capita	85.7	● ↑	11.40	Mm ³ H ₂ O-eq.	2018

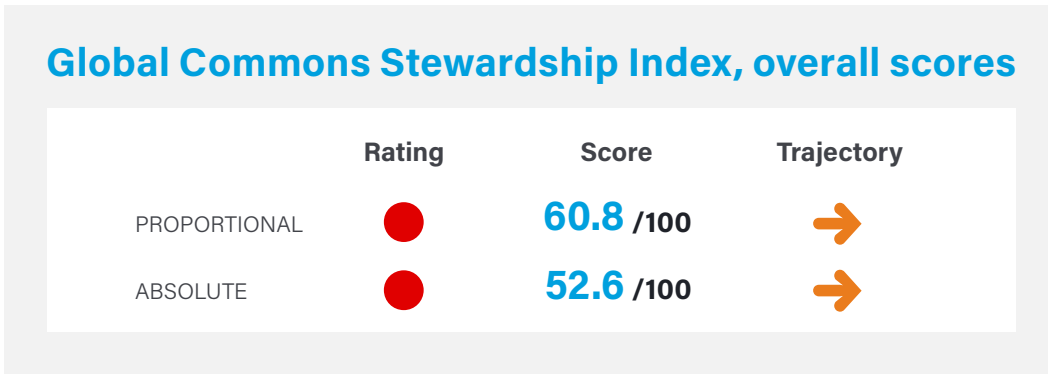
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Uzbekistan

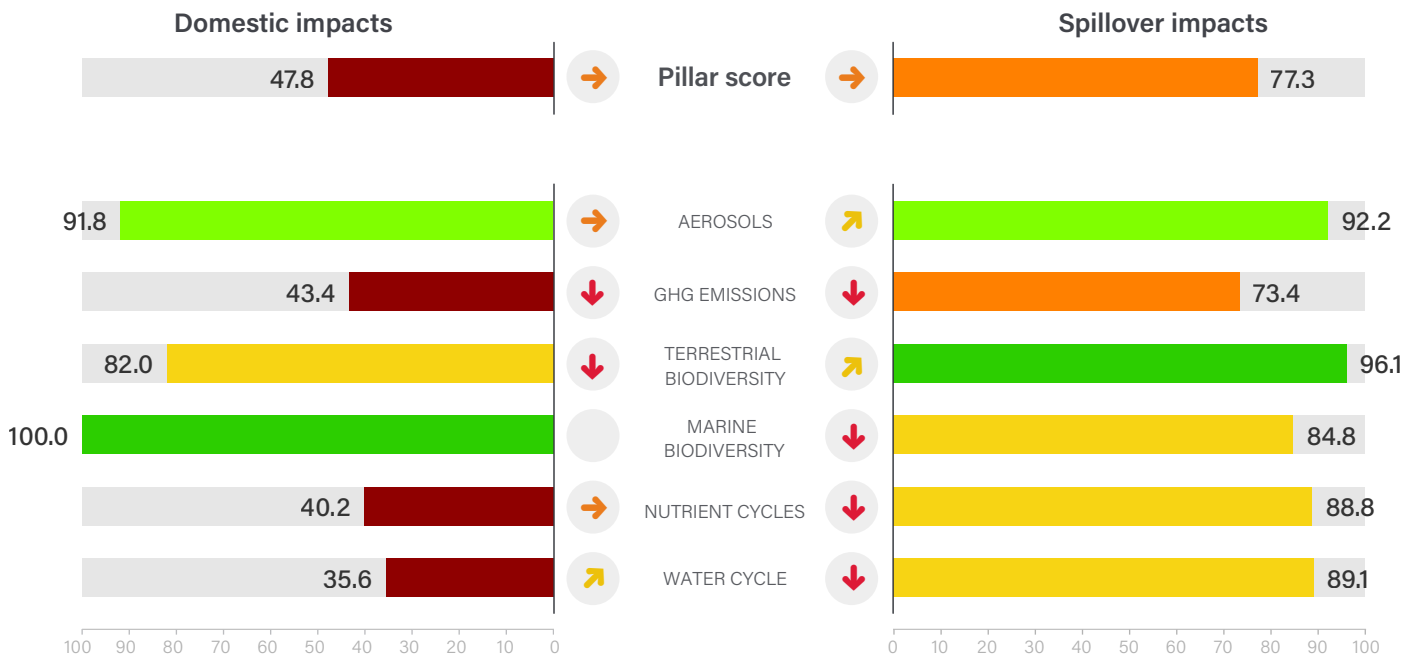
Eastern Europe and Central Asia

Land area	440,555 sq. km	Population	34.2 million
GDP (PPP, constant 2017 US\$, billions)	\$239.4	GDP per capita	\$6,994
Human Development Index (HDI)	0.727	HDI category	High



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

95–100	None or limited
90–95	Low
80–90	Medium-low
70–80	Medium-high
50–70	High
30–50	Very high
0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Uzbekistan

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	2.33	kg/capita	77.4	● ↓	76.73	Gg	2018
Spillover SO ₂ emissions	1.03	kg/capita	90.2	● ↑	32.09	Gg	2015
Domestic NO _x emissions	3.63	kg/capita	100.0	● ↑	119.55	Gg	2018
Spillover NO _x emissions	1.04	kg/capita	86.9	● ↗	32.50	Gg	2015
Domestic black carbon emissions	0.03	kg/capita	100.0	● ↓	1.07	Gg	2018
Spillover black carbon emissions	0.02	kg/capita	100.0	● ↓	0.74	Gg	2015
GHG Emissions							
Domestic GHG emissions	6.47	t CO ₂ e/capita	54.5	● ↓	217.20	Tg	2019
Spillover GHG emissions	1.05	t CO ₂ e/capita	73.4	● ↓	34.59	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	0.44	t CO ₂ e/capita	21.9	● ●	15.12	Tg	2020
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	1773	%	84.4	● ↓	1773	%	2020
Unprotected freshwater biodiversity sites	13.44	%	90.4	● ↓	13.44	%	2020
Domestic land use related biodiversity loss	3.06 × 10 ⁻¹²	global PDF/capita	95.9	● ↗	1.01 × 10 ⁻⁴	global PDF	2018
Spillover land use related biodiversity loss	6.60 × 10 ⁻¹³	global PDF/capita	99.1	● ↓	2.18 × 10 ⁻⁵	global PDF	2018
Domestic freshwater biodiversity threats	0.06	spp./million	63.2	● ●	1.83	species	2018
Spillover freshwater biodiversity threats	0.01	spp./million	86.3	● ●	0.17	species	2018
Domestic deforestation	0.00	%	100.0	● ↓	0.00	hectares	2020
Spillover deforestation	1.59 × 10 ⁻⁴	ha/capita	99.8	● ↑	5.25 × 10 ³	hectares	2018
Red List Index of species survival	0.97	scale 0 to 1	94.6	● ↓	0.97	scale 0 to 1	2021
Biodiversity Habitat Index	0.46	scale 0 to 1	24.5	● ●	0.46	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	1.86 × 10 ⁻³	WOE/million	80.6	● ●	6.26 × 10 ⁴	WOE	2019
Spillover endangered terrestrial animals	7.65 × 10 ⁻⁶	WOE/capita	99.9	● ●	2.57 × 10 ²	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	NA	WOE/million	NA	● ●	NA	WOE	NA
Spillover endangered marine animals	3.72 × 10 ⁻⁶	WOE/capita	99.8	● ●	1.25 × 10 ²	WOE	2019
Unprotected marine biodiversity sites	NA	%	NA	● ●	NA	%	NA
Domestic marine biodiversity threats	0.01	spp./million	100.0	● ●	0.19	species	2018
Spillover marine biodiversity threats	0.00	spp./million	70.4	● ●	0.14	species	2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	● ●	NA	%	NA
Fish caught by trawling	NA	%	NA	● ●	NA	%	NA
Domestic vulnerable fisheries catch	NA	tonnes/capita	NA	● ●	NA	Tg	NA
Spillover vulnerable fisheries catch	0.43	tonnes/capita	86.7	● ↓	0.01	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	0.71	scale 0 to 1.4	39.4	● ↓	0.71	scale 0 to 1.4	2015
Domestic nitrogen surplus	21.26	kg/capita	40.1	● ↓	665.32	Gg	2015
Spillover nitrogen surplus	0.37	kg/capita	78.9	● ↓	11.54	Tg	2015
Domestic phosphorus fertilizer	6.85	kg/capita	40.9	● ↗	225.83	kt	2018
Spillover phosphorus fertilizer	0.20	g/capita	100.0	● ↓	6.56	kt	2018
Water Cycle							
Domestic scarce water consumption	3.01	m ³ H ₂ O-eq./capita	49.8	● ↑	99.35	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	12.12	m ³ H ₂ O-eq./capita	77.3	● ↓	350.25	Mm ³ H ₂ O-eq.	2018
Domestic water stress	8.19	ML H ₂ O-eq./capita	9.2	● ↗	270.07	Bm ³ H ₂ O-eq.	2018
Spillover water stress	1.09	m ³ H ₂ O-eq./capita	56.0	● ↓	31.53	Mm ³ H ₂ O-eq.	2018

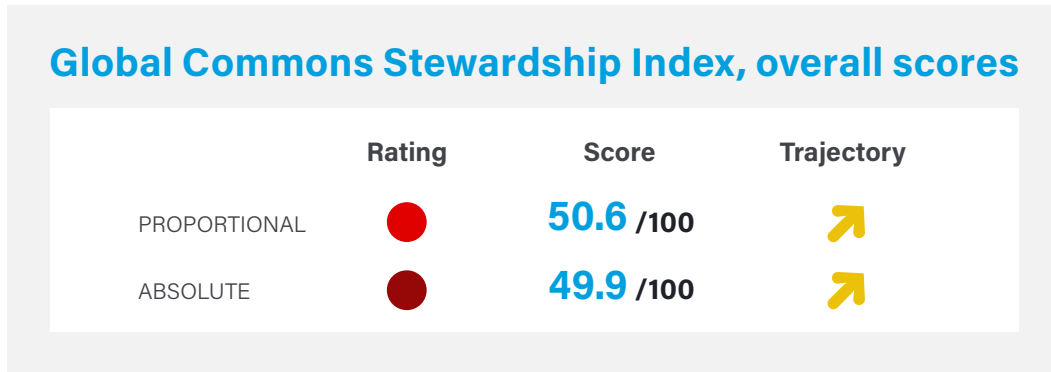
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Venezuela

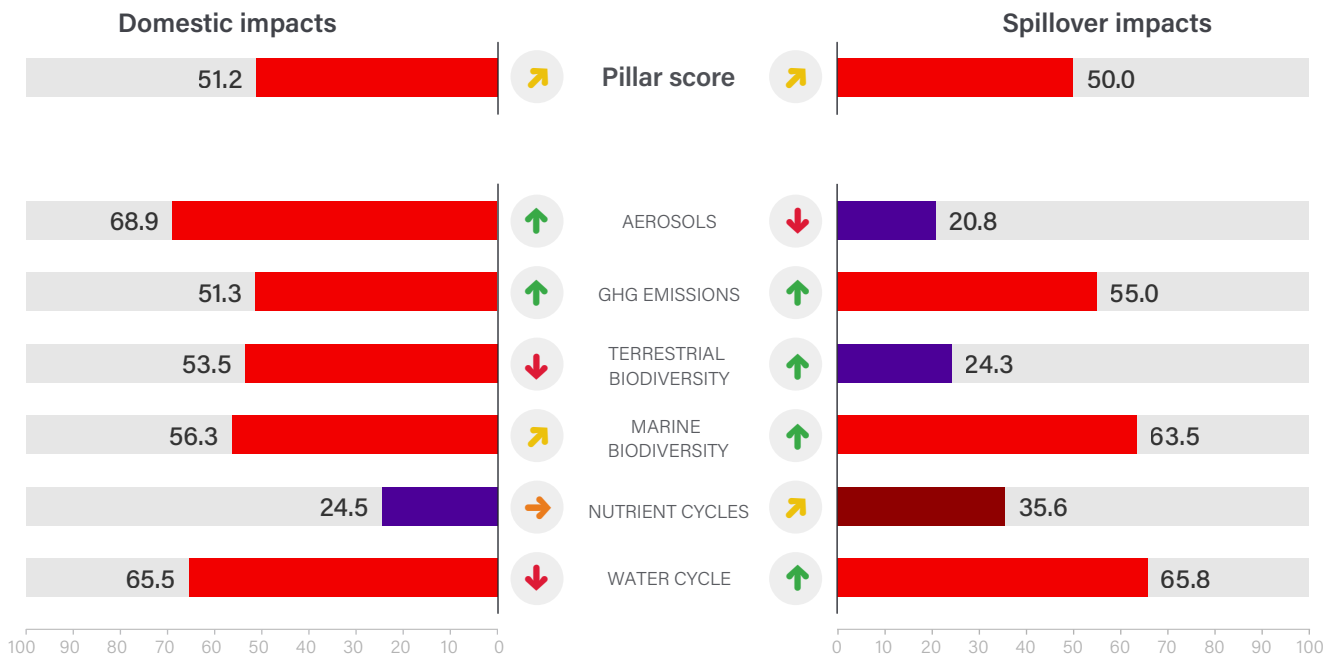
Latin America and Caribbean

Land area	882,050 sq. km	Population	28.4 million
GDP (PPP, constant 2017 US\$, billions)	\$238.8	GDP per capita	\$8,399
Human Development Index (HDI)	0.691	HDI category	Medium



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

■	95–100	None or limited
■	90–95	Low
■	80–90	Medium-low
■	70–80	Medium-high
■	50–70	High
■	30–50	Very high
■	0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Venezuela

Performance by Indicator

Indicator	Proportional			Absolute		Year	
	Value	Units	Score	Value	Units		
Aerosols							
Domestic SO ₂ emissions	8.45	kg/capita	47.7	● ↑	243.99	Gg	2018
Spillover SO ₂ emissions	11.05	kg/capita	24.7	● ↓	332.35	Gg	2015
Domestic NO _x emissions	16.04	kg/capita	77.2	● ↑	463.24	Gg	2018
Spillover NO _x emissions	14.18	kg/capita	17.5	● ↓	426.63	Gg	2015
Domestic black carbon emissions	0.22	kg/capita	88.7	● ↑	6.42	Gg	2018
Spillover black carbon emissions	0.48	kg/capita	21.0	● ↓	14.55	Gg	2015
GHG Emissions							
Domestic GHG emissions	7.01	t CO ₂ e/capita	51.3	● ↑	199.99	Tg	2019
Spillover GHG emissions	2.03	t CO ₂ e/capita	55.0	● ↑	58.55	Tg	2018
CO ₂ emissions embodied in fossil fuel exports	NA	t CO ₂ e/capita	NA	● ●	NA	Tg	NA
Terrestrial Biodiversity Loss							
Unprotected terrestrial biodiversity sites	53.61	%	48.0	● ↓	53.61	%	2020
Unprotected freshwater biodiversity sites	42.15	%	60.8	● ↓	42.15	%	2020
Domestic land use related biodiversity loss	3.33 × 10 ⁻¹¹	global PDF/capita	55.8	● ↓	9.61 × 10 ⁻⁴	global PDF	2018
Spillover land use related biodiversity loss	1.70 × 10 ⁻¹¹	global PDF/capita	1.4	● ↑	4.90 × 10 ⁻⁴	global PDF	2018
Domestic freshwater biodiversity threats	0.55	spp./million	32.2	● ●	16.01	species	2018
Spillover freshwater biodiversity threats	0.04	spp./million	50.8	● ●	1.28	species	2018
Domestic deforestation	0.21	%	84.4	● ↓	119 × 10 ⁵	hectares	2020
Spillover deforestation	3.62 × 10 ⁻³	ha/capita	49.0	● ↑	1.05 × 10 ⁵	hectares	2018
Red List Index of species survival	0.82	scale 0 to 1	48.6	● ↓	0.82	scale 0 to 1	2021
Biodiversity Habitat Index	0.57	scale 0 to 1	40.4	● ●	0.57	scale 0 to 1	2020
Domestic export of endangered terrestrial animals	8.09 × 10 ⁻⁴	WOE/million	91.6	● ●	2.31 × 10 ⁴	WOE	2019
Spillover endangered terrestrial animals	0.00	WOE/capita	100.0	● ●	0.00	WOE	2019
Marine Biodiversity Loss							
Domestic export of endangered marine animals	0.00	WOE/million	100.0	● ●	0.00	WOE	2019
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE	2019
Unprotected marine biodiversity sites	32.64	%	67.7	● ↓	32.64	%	2020
Domestic marine biodiversity threats	1.27	spp./million	26.6	● ●	36.61	species	2018
Spillover marine biodiversity threats	0.05	spp./million	40.4	● ●	1.35	species	2018
Fish caught from overexploited or collapsed stocks	16.82	%	73.2	● ↑	16.82	%	2018
Fish caught by trawling	0.45	%	99.5	● ↑	0.45	%	2018
Domestic vulnerable fisheries catch	10.83	tonnes/capita	37.1	● ↓	0.31	Tg	2018
Spillover vulnerable fisheries catch	1.74	tonnes/capita	63.4	● ↑	0.05	tonnes	2018
Nutrient Cycles							
Sustainable Nitrogen Management Index	1.01	scale 0 to 1.4	13.1	● ↓	1.01	scale 0 to 1.4	2015
Domestic nitrogen surplus	11.57	kg/capita	68.0	● →	348.10	Gg	2015
Spillover nitrogen surplus	3.43	kg/capita	36.6	● ↓	103.27	Tg	2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt	NA
Spillover phosphorus fertilizer	3.05	g/capita	34.7	● ↑	88.10	kt	2018
Water Cycle							
Domestic scarce water consumption	0.48	m ³ H ₂ O-eq./capita	70.5	● ↓	13.81	Mm ³ H ₂ O-eq.	2018
Spillover scarce water consumption	34.17	m ³ H ₂ O-eq./capita	50.3	● ↑	3,264.43	Mm ³ H ₂ O-eq.	2018
Domestic water stress	0.38	ML H ₂ O-eq./capita	48.8	● ↓	11.06	Bm ³ H ₂ O-eq.	2018
Spillover water stress	1.02	m ³ H ₂ O-eq./capita	57.8	● ↑	96.99	Mm ³ H ₂ O-eq.	2018

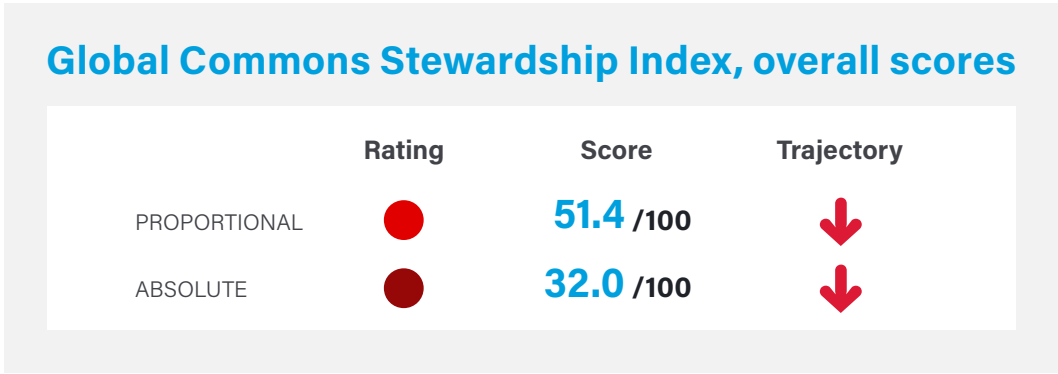
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Vietnam

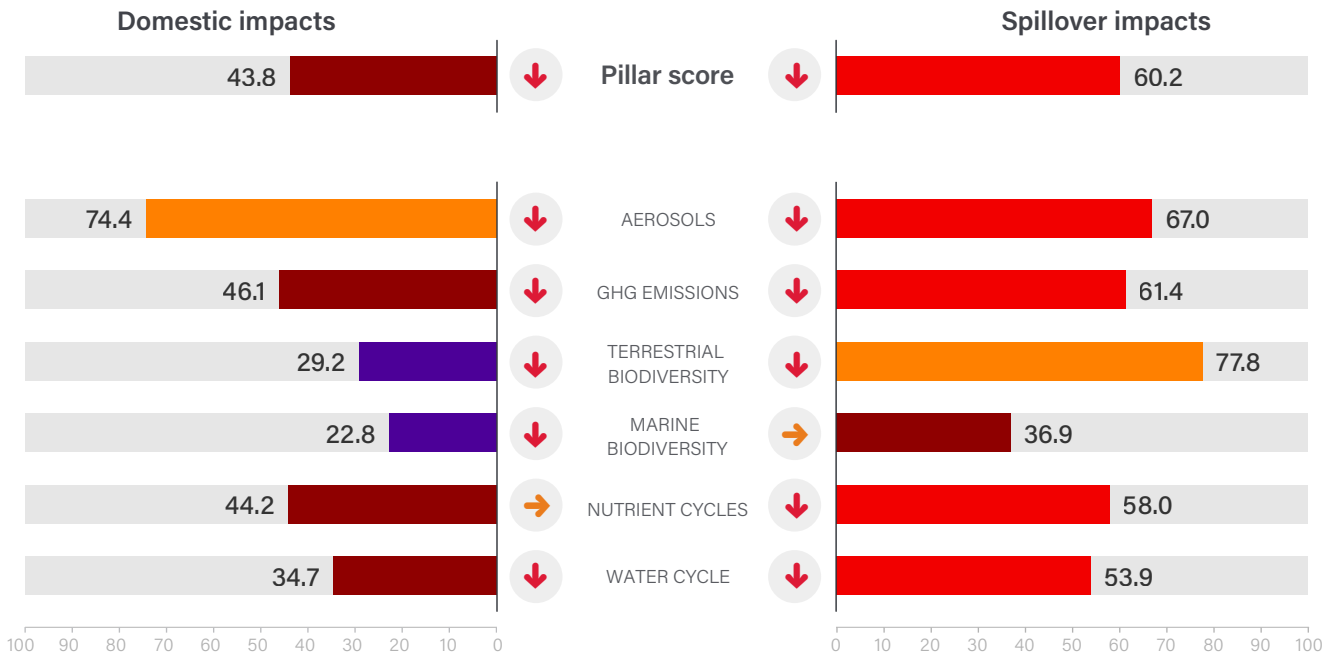
East and South Asia

Land area	310,070 sq. km	Population	97.3 million
GDP (PPP, constant 2017 US\$, billions)	\$798.2	GDP per capita	\$8,200
Human Development Index (HDI)	0.703	HDI category	High



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

Negative impacts on the Global Commons

95–100	None or limited
90–95	Low
80–90	Medium-low
70–80	Medium-high
50–70	High
30–50	Very high
0–30	Extreme

Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Vietnam

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	1.38	kg/capita	89.5	● ↓	131.53	Gg 2018
Spillover SO ₂ emissions	1.96	kg/capita	72.3	● ↓	181.94	Gg 2015
Domestic NO _x emissions	4.89	kg/capita	100.0	● ↓	467.34	Gg 2018
Spillover NO _x emissions	2.09	kg/capita	68.4	● ↓	193.29	Gg 2015
Domestic black carbon emissions	0.69	kg/capita	46.1	● ↓	66.28	Gg 2018
Spillover black carbon emissions	0.11	kg/capita	60.8	● ↓	10.65	Gg 2015
GHG Emissions						
Domestic GHG emissions	6.20	t CO ₂ e/capita	56.1	● ↓	598.14	Tg 2019
Spillover GHG emissions	1.61	t CO ₂ e/capita	61.4	● ↓	154.20	Tg 2018
CO ₂ emissions embodied in fossil fuel exports	0.20	t CO ₂ e/capita	25.6	● ●	19.06	Tg 2020
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	39.99	%	61.8	● ↓	39.99	% 2020
Unprotected freshwater biodiversity sites	38.18	%	64.9	● ↓	38.18	% 2020
Domestic land use related biodiversity loss	7.87 × 10 ⁻¹²	global PDF/capita	89.5	● ↓	7.52 × 10 ⁻⁴	global PDF 2018
Spillover land use related biodiversity loss	2.79 × 10 ⁻¹²	global PDF/capita	86.3	● ↓	2.66 × 10 ⁻⁴	global PDF 2018
Domestic freshwater biodiversity threats	0.90	spp./million	25.5	● ●	86.37	species 2018
Spillover freshwater biodiversity threats	0.04	spp./million	53.2	● ●	3.64	species 2018
Domestic deforestation	1.32	%	1.0	● ↓	2.16 × 10 ⁵	hectares 2020
Spillover deforestation	9.03 × 10 ⁻⁴	ha/capita	88.9	● ↓	8.63 × 10 ⁴	hectares 2018
Red List Index of species survival	0.72	scale 0 to 1	16.0	● ↓	0.72	scale 0 to 1 2021
Biodiversity Habitat Index	0.37	scale 0 to 1	12.7	● ●	0.37	scale 0 to 1 2020
Domestic export of endangered terrestrial animals	8.28 × 10 ⁻⁵	WOE/million	99.1	● ●	7.98 × 10 ³	WOE 2019
Spillover endangered terrestrial animals	8.87 × 10 ⁻⁴	WOE/capita	89.6	● ●	8.55 × 10 ⁴	WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	2.51 × 10 ⁻⁴	WOE/million	91.5	● ●	2.42 × 10 ⁴	WOE 2019
Spillover endangered marine animals	1.15 × 10 ⁻³	WOE/capita	26.5	● ●	1.11 × 10 ⁵	WOE 2019
Unprotected marine biodiversity sites	23.89	%	76.4	● ↓	23.89	% 2020
Domestic marine biodiversity threats	0.28	spp./million	47.7	● ●	26.49	species 2018
Spillover marine biodiversity threats	0.00	spp./million	68.9	● ●	0.47	species 2018
Fish caught from overexploited or collapsed stocks	5.46	%	91.3	● ↓	5.46	% 2018
Fish caught by trawling	64.80	%	1.0	● ↓	64.80	% 2018
Domestic vulnerable fisheries catch	68.80	tonnes/capita	12.8	● ↓	6.57	Tg 2018
Spillover vulnerable fisheries catch	14.96	tonnes/capita	27.5	● →	1.43	tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.62	scale 0 to 1.4	47.0	● →	0.62	scale 0 to 1.4 2015
Domestic nitrogen surplus	17.07	kg/capita	52.2	● ↓	1,582.00	Gg 2015
Spillover nitrogen surplus	0.54	kg/capita	71.6	● ↓	50.14	Tg 2015
Domestic phosphorus fertilizer	7.85	kg/capita	37.3	● →	750.30	kt 2018
Spillover phosphorus fertilizer	2.05	g/capita	47.0	● ↓	195.71	kt 2018
Water Cycle						
Domestic scarce water consumption	14.42	m ³ H ₂ O-eq./capita	32.3	● ↓	1,377.30	Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	15.20	m ³ H ₂ O-eq./capita	71.4	● ↓	878.51	Mm ³ H ₂ O-eq. 2018
Domestic water stress	0.47	ML H ₂ O-eq./capita	46.2	● ↓	44.69	Bm ³ H ₂ O-eq. 2018
Spillover water stress	0.53	m ³ H ₂ O-eq./capita	74.8	● ↓	30.44	Mm ³ H ₂ O-eq. 2018

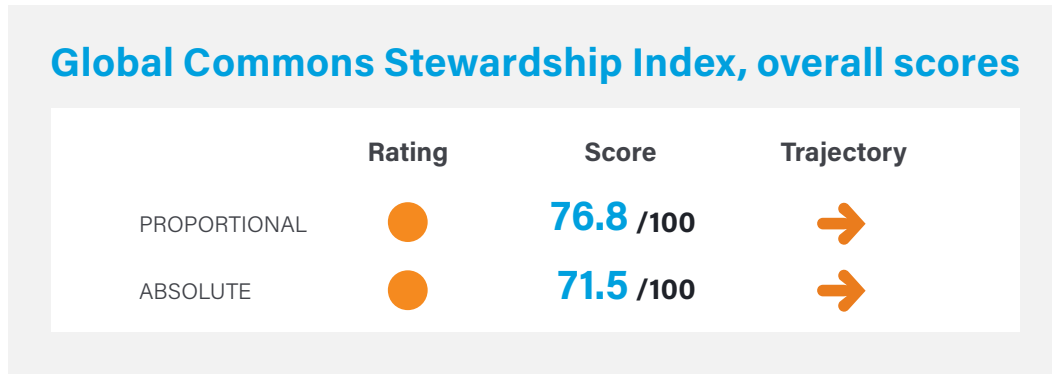
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Note: PDF = potentially disappeared fraction (of species), WOE = whole organism equivalent

Zambia

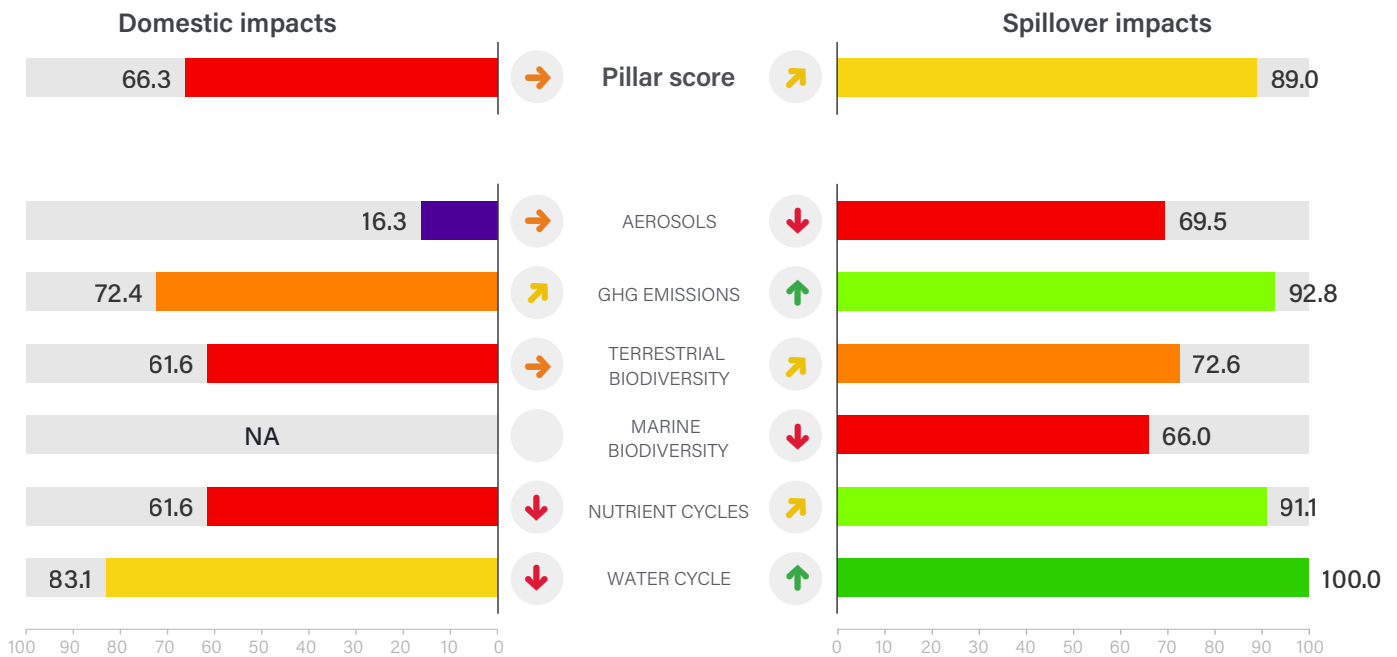
Africa

Land area	743,390 sq. km	Population	18.4 million
GDP (PPP, constant 2017 US\$, billions)	\$60.1	GDP per capita	\$3,270
Human Development Index (HDI)	0.565	HDI category	Medium



Impacts by pillar and sub-pillar

Proportional scores and trajectories

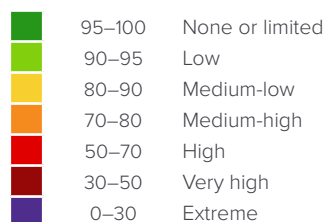


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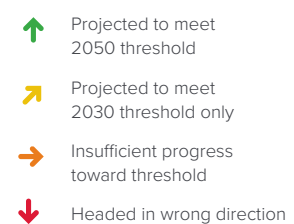
Dashboard categories

Negative impacts on the Global Commons



Trajectories

Based on 5-year growth rates



Zambia

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	10.29	kg/capita	43.2	● ↓	178.63	Gg 2018
Spillover SO ₂ emissions	2.15	kg/capita	69.8	● ↓	34.16	Gg 2015
Domestic NO _x emissions	3.39	kg/capita	100.0	● ↑	58.83	Gg 2018
Spillover NO _x emissions	1.58	kg/capita	75.8	● ↓	25.05	Gg 2015
Domestic black carbon emissions	1.22	kg/capita	1.0	● →	21.09	Gg 2018
Spillover black carbon emissions	0.10	kg/capita	63.3	● →	1.67	Gg 2015
GHG Emissions						
Domestic GHG emissions	3.09	t CO ₂ e/capita	83.1	● ↗	55.15	Tg 2019
Spillover GHG emissions	0.53	t CO ₂ e/capita	92.8	● ↑	9.15	Tg 2018
CO ₂ emissions embodied in fossil fuel exports	0.00	t CO ₂ e/capita	47.9	● ●	0.03	Tg 2020
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	46.14	%	55.6	● ↓	46.14	% 2020
Unprotected freshwater biodiversity sites	56.84	%	45.6	● ↓	56.84	% 2020
Domestic land use related biodiversity loss	2.24 × 10 ⁻¹²	global PDF/capita	97.0	● →	3.88 × 10 ⁻⁵	global PDF 2018
Spillover land use related biodiversity loss	5.68 × 10 ⁻¹³	global PDF/capita	99.7	● ↑	9.86 × 10 ⁻⁶	global PDF 2018
Domestic freshwater biodiversity threats	2.02	spp./million	14.4	● ●	35.00	species 2018
Spillover freshwater biodiversity threats	0.17	spp./million	27.9	● ●	2.98	species 2018
Domestic deforestation	0.64	%	52.3	● ↓	1.43 × 10 ⁵	hectares 2020
Spillover deforestation	1.42 × 10 ⁻⁴	ha/capita	100.0	● ↓	2.46 × 10 ³	hectares 2018
Red List Index of species survival	0.88	scale 0 to 1	65.5	● →	0.88	scale 0 to 1 2021
Biodiversity Habitat Index	0.62	scale 0 to 1	47.1	● ●	0.62	scale 0 to 1 2020
Domestic export of endangered terrestrial animals	3.14 × 10 ⁻³	WOE/million	67.3	● ●	5.61 × 10 ⁴	WOE 2019
Spillover endangered terrestrial animals	3.92 × 10 ⁻⁷	WOE/capita	100.0	● ●	7.00	WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	NA	WOE/million	NA	● ●	NA	WOE NA
Spillover endangered marine animals	0.00	WOE/capita	100.0	● ●	0.00	WOE 2019
Unprotected marine biodiversity sites	NA	%	NA	● ●	NA	% NA
Domestic marine biodiversity threats	NA	spp./million	NA	● ●	NA	species NA
Spillover marine biodiversity threats	0.02	spp./million	52.1	● ●	0.33	species 2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	● ●	NA	% NA
Fish caught by trawling	NA	%	NA	● ●	NA	% NA
Domestic vulnerable fisheries catch	NA	tonnes/capita	NA	● ●	NA	Tg NA
Spillover vulnerable fisheries catch	2.82	tonnes/capita	55.3	● ↓	0.05	tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	0.81	scale 0 to 1.4	30.9	● →	0.81	scale 0 to 1.4 2015
Domestic nitrogen surplus	9.34	kg/capita	74.5	● ↓	148.25	Gg 2015
Spillover nitrogen surplus	0.30	kg/capita	83.0	● ↓	4.71	Tg 2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	● ●	NA	kt NA
Spillover phosphorus fertilizer	0.10	g/capita	100.0	● ↑	1.81	kt 2018
Water Cycle						
Domestic scarce water consumption	0.13	m ³ H ₂ O-eq./capita	84.8	● ↓	2.33	Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	2.09	m ³ H ₂ O-eq./capita	100.0	● ↑	36.34	Mm ³ H ₂ O-eq. 2018
Domestic water stress	0.04	ML H ₂ O-eq./capita	76.7	● ↓	0.76	Bm ³ H ₂ O-eq. 2018
Spillover water stress	0.14	m ³ H ₂ O-eq./capita	100.0	● ↑	2.48	Mm ³ H ₂ O-eq. 2018

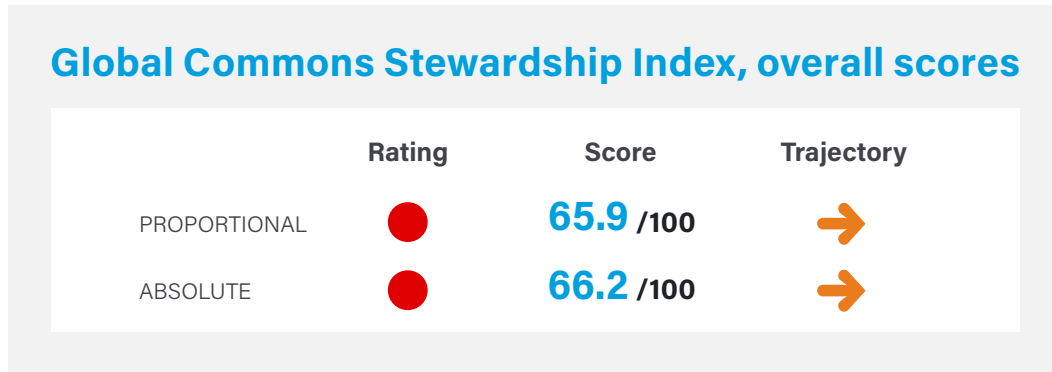
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Zimbabwe

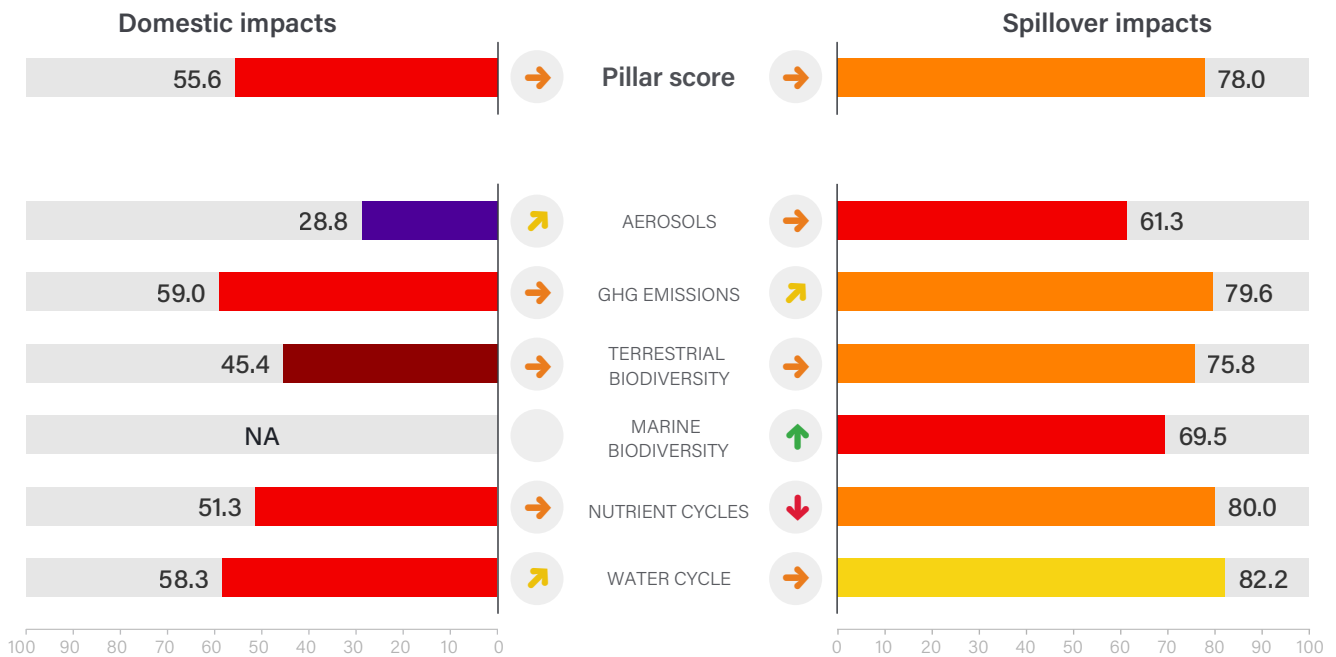
Africa

Land area	386,850 sq. km	Population	14.9 million
GDP (PPP, constant 2017 US\$, billions)	\$40.8	GDP per capita	\$2,745
Human Development Index (HDI)	0.593	HDI category	Medium



Impacts by pillar and sub-pillar

Proportional scores and trajectories



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Dashboard categories

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95–100	None or limited
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Trajectories

Based on 5-year growth rates

↑	Projected to meet 2050 threshold
↗	Projected to meet 2030 threshold only
→	Insufficient progress toward threshold
↓	Headed in wrong direction

Zimbabwe

Performance by Indicator

Indicator	Proportional			Absolute		Year
	Value	Units	Score	Value	Units	
Aerosols						
Domestic SO ₂ emissions	5.58	kg/capita	57.2	●	↗	80.62 Gg 2018
Spillover SO ₂ emissions	3.28	kg/capita	58.1	●	↓	45.35 Gg 2015
Domestic NO _x emissions	5.77	kg/capita	98.2	●	↑	83.32 Gg 2018
Spillover NO _x emissions	2.40	kg/capita	64.7	●	↔	33.09 Gg 2015
Domestic black carbon emissions	1.16	kg/capita	4.2	●	↓	16.71 Gg 2018
Spillover black carbon emissions	0.11	kg/capita	61.1	●	↗	1.57 Gg 2015
GHG Emissions						
Domestic GHG emissions	4.40	t CO ₂ e/capita	69.4	●	↔	64.46 Tg 2019
Spillover GHG emissions	0.84	t CO ₂ e/capita	79.6	●	↗	12.18 Tg 2018
CO ₂ emissions embodied in fossil fuel exports	0.02	t CO ₂ e/capita	36.3	●	●	0.28 Tg 2020
Terrestrial Biodiversity Loss						
Unprotected terrestrial biodiversity sites	81.22	%	20.0	●	↓	81.22 % 2020
Unprotected freshwater biodiversity sites	82.01	%	19.6	●	↓	82.01 % 2020
Domestic land use related biodiversity loss	9.68 × 10 ⁻¹³	global PDF/capita	98.7	●	↗	1.40 × 10 ⁻⁵ global PDF 2018
Spillover land use related biodiversity loss	2.37 × 10 ⁻¹²	global PDF/capita	88.8	●	↓	3.43 × 10 ⁻⁵ global PDF 2018
Domestic freshwater biodiversity threats	0.25	spp./million	43.1	●	●	3.61 species 2018
Spillover freshwater biodiversity threats	0.09	spp./million	38.8	●	●	1.30 species 2018
Domestic deforestation	0.74	%	44.2	●	↓	7.89 × 10 ³ hectares 2020
Spillover deforestation	4.10 × 10 ⁻⁴	ha/capita	96.1	●	↗	5.92 × 10 ³ hectares 2018
Red List Index of species survival	0.79	scale 0 to 1	39.4	●	↓	0.79 scale 0 to 1 2021
Biodiversity Habitat Index	0.45	scale 0 to 1	23.5	●	●	0.45 scale 0 to 1 2020
Domestic export of endangered terrestrial animals	7.45 × 10 ⁻³	WOE/million	22.4	●	●	1.09 × 10 ⁵ WOE 2019
Spillover endangered terrestrial animals	8.19 × 10 ⁻⁷	WOE/capita	100.0	●	●	1.20 × 10 WOE 2019
Marine Biodiversity Loss						
Domestic export of endangered marine animals	NA	WOE/million	NA	●	●	NA WOE NA
Spillover endangered marine animals	0.00	WOE/capita	100.0	●	●	0.00 WOE 2019
Unprotected marine biodiversity sites	NA	%	NA	●	●	NA % NA
Domestic marine biodiversity threats	NA	spp./million	NA	●	●	NA species NA
Spillover marine biodiversity threats	0.02	spp./million	48.8	●	●	0.35 species 2018
Fish caught from overexploited or collapsed stocks	NA	%	NA	●	●	NA % NA
Fish caught by trawling	NA	%	NA	●	●	NA % NA
Domestic vulnerable fisheries catch	NA	tonnes/capita	NA	●	●	NA Tg NA
Spillover vulnerable fisheries catch	1.26	tonnes/capita	68.8	●	↑	0.02 tonnes 2018
Nutrient Cycles						
Sustainable Nitrogen Management Index	1.00	scale 0 to 1.4	13.7	●	↓	1.00 scale 0 to 1.4 2015
Domestic nitrogen surplus	3.64	kg/capita	90.9	●	↑	50.27 Gg 2015
Spillover nitrogen surplus	0.36	kg/capita	79.6	●	↓	4.91 Tg 2015
Domestic phosphorus fertilizer	NA	kg/capita	NA	●	●	NA kt NA
Spillover phosphorus fertilizer	0.70	g/capita	80.3	●	↓	10.10 kt 2018
Water Cycle						
Domestic scarce water consumption	1.46	m ³ H ₂ O-eq./capita	58.0	●	↗	21.09 Mm ³ H ₂ O-eq. 2018
Spillover scarce water consumption	5.00	m ³ H ₂ O-eq./capita	100.0	●	↑	72.25 Mm ³ H ₂ O-eq. 2018
Domestic water stress	0.17	ML H ₂ O-eq./capita	59.6	●	↗	2.39 Bm ³ H ₂ O-eq. 2018
Spillover water stress	0.70	m ³ H ₂ O-eq./capita	67.6	●	↓	10.04 Mm ³ H ₂ O-eq. 2018

● Information unavailable

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2022

