

COUNTRY FACTSHEET

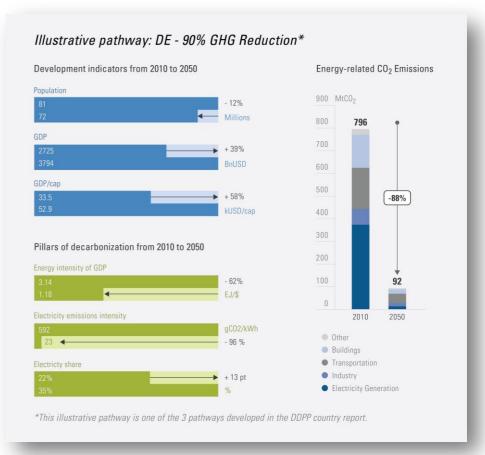
GERMANY

WHAT ARE THE NATIONAL CIRCUMSTANCES THAT INFLUENCE DEEP DECARBONIZATION IN GERMANY?

- Distinct public environmental consciousness (with regard to air quality issues and climate change) and high risk sensitiveness (with regard to nuclear power plants).
- High technological standards and research competence corresponding with a high importance of energy technologies and particularly of clean energy technologies (export potential).
- Experience with regard to successful policy
 - instruments (Renewable Energy Sources Act of 2000) being able to trigger a dynamic change of energy structures.
- Long-term experience with regard to the discussion of alternative energy futures. The first book titled *Energiewende* was published in the late 1970s. Since then there has been a lively political and public discourse about the future of Germany's energy system (including discussion of long-term scenarios).
- Practical experience with successful environmentallydriven transformation processes (fight against air quality problems, forest dieback etc.-back in the 1960's the former chancellor Willy Brandt formulated the vision of a blue sky above the Ruhr Valley that is now reality).

WHAT ARE THE MOST PROMINENT STRATEGIES TO BE IMPLEMENTED FOR DEEP DECARBONIZATION IN GERMANY?

- Significantly increasing energy and resource efficiency across all sectors.
- Continuously extending renewable energy technologies in combination with the provision of appropriate infrastructures (grid extension, flexibility options to cover volatile electricity supply of wind and solar energy based electricity generation).



Maintaining distinct environmental consciousness and strengthening trends of sustainable consumptions patterns (including limitation of rebound effects).







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- Maintaining public acceptance of energy system transformation *via* a strong participatory approach (public discourse with regard to shaping the transformation process, create investment opportunities for public).
- Fostering R&D activities and triggering innovation dynamic (including technical and social innovations)

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