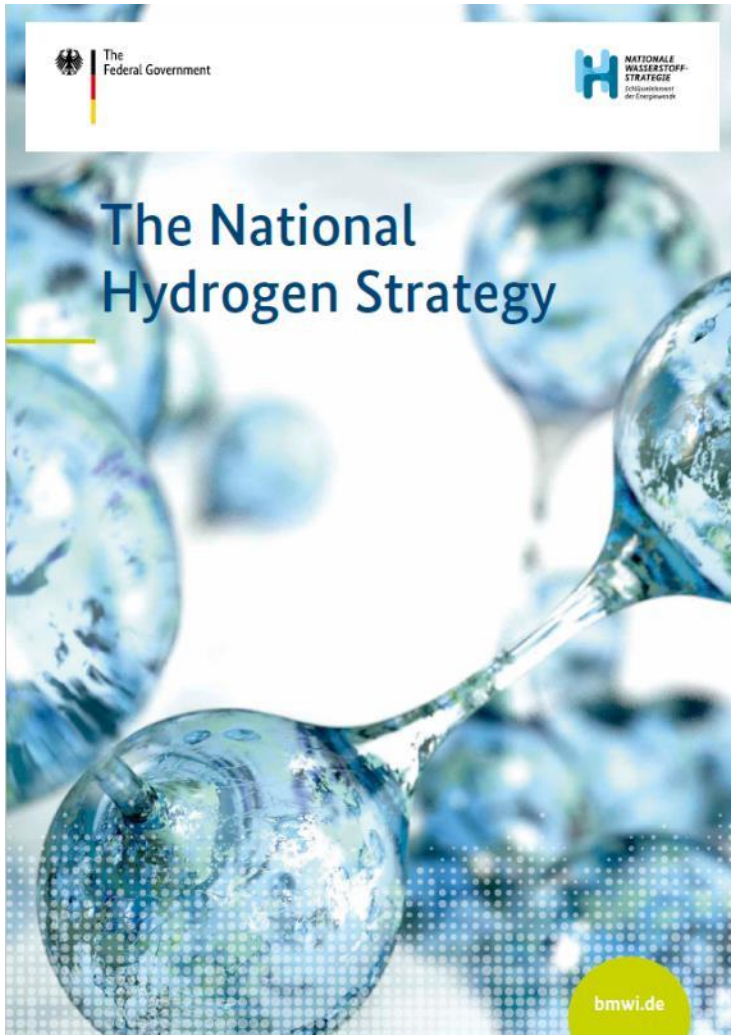


GERMANY'S NATIONAL HYDROGEN STRATEGY



- Common strategy of the Federal Government of Germany
- Developed by BMWi and BMVI
- Combining all ongoing and planned programs of the Federal Government for an holistic approach
- Action plan with 38 concrete measures over the complete production chain and all relevant sectors
- Additional budget of 7 bn Euro for national projects and 2 bn Euro for international projects

GERMANY'S NATIONAL HYDROGEN STRATEGY

Aspects of the National Hydrogen Strategy



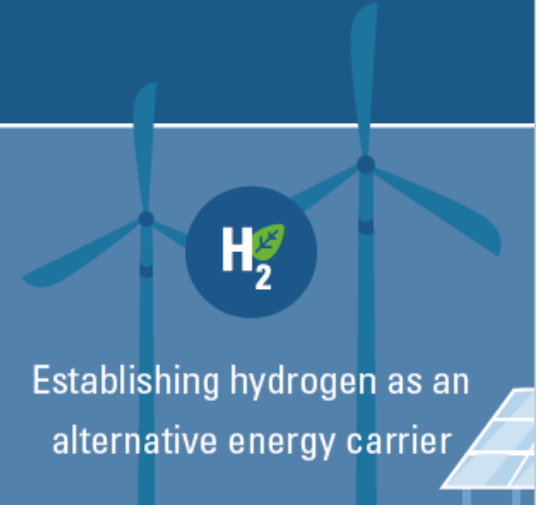
Assuming
global responsibility



Making green hydrogen
competitive



Shaping the
domestic market



Establishing hydrogen as an
alternative energy carrier



Securing global market
opportunities for German
companies



Supporting science,
training specialists



Securing energy supply
through international
hydrogen activities

ACTION PLAN OF THE NATIONAL STRATEGY

Considering the complete value chain and all sectors



Production of hydrogen (4 measures)

Usage of Hydrogen

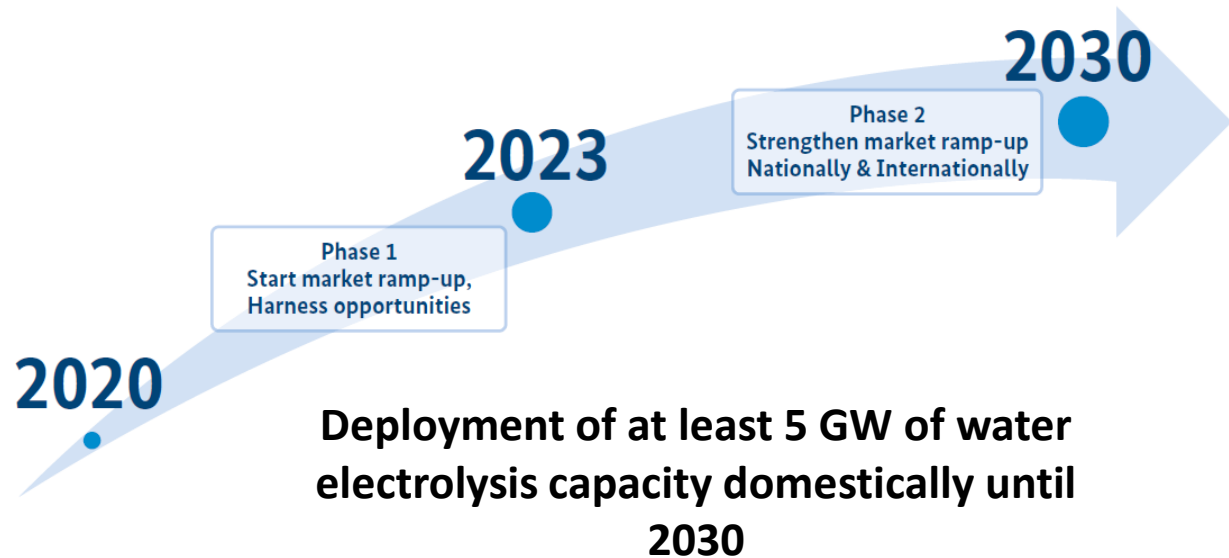
- Transport (9 measures)
- Industry (4 measures)
- Heating (2 measures)

Infrastructure and supply (3 measures)

Research and Innovation (7 measures)

European actions (4 measures)

International Hydrogen market (5 measures)



MEASURES FOR AN INTERNATIONAL MARKET

Considering the complete value chain and all sectors

Measure 34

The integration of hydrogen into existing bilateral energy partnerships and the establishment of new partnerships [...]

Measure 35

We will rapidly progress the cooperation with partner countries in the context of a hydrogen alliance in coordination with EU initiatives [...]

Measure 36

We will strengthen the existing international activities [...] such as IPHE, IRENA and IEA. [...]

Measure 37

Pilot projects in partner countries [...] are to show whether and how green hydrogen [...] can be produced [...]

Measure 38

In relations with the current exporters of fossil fuels, the Federal Government will intensify the dialogue to a gradual global energy transition [...]