

Madrid | December 6th 2019

Green Hydrogen in the Energy transition

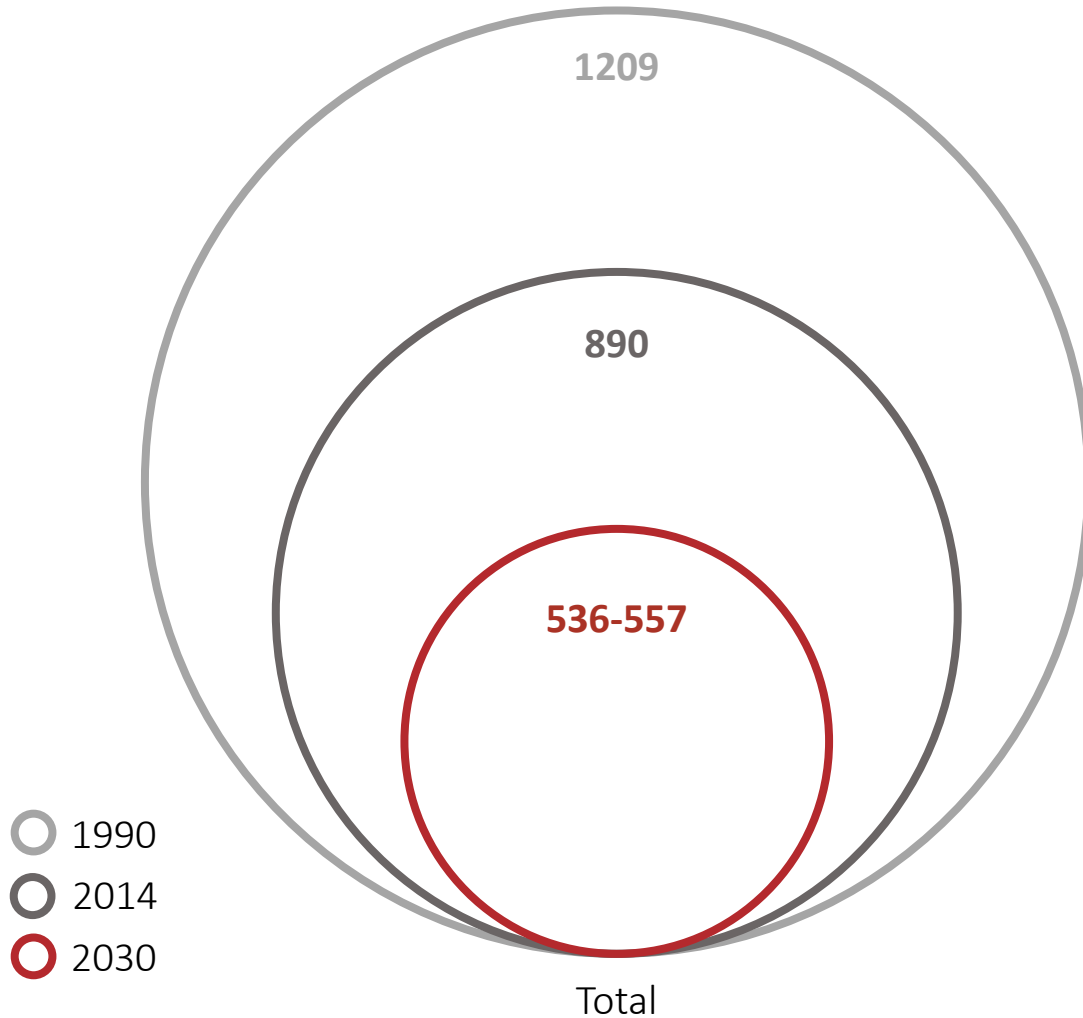


UN Climate Change Conference

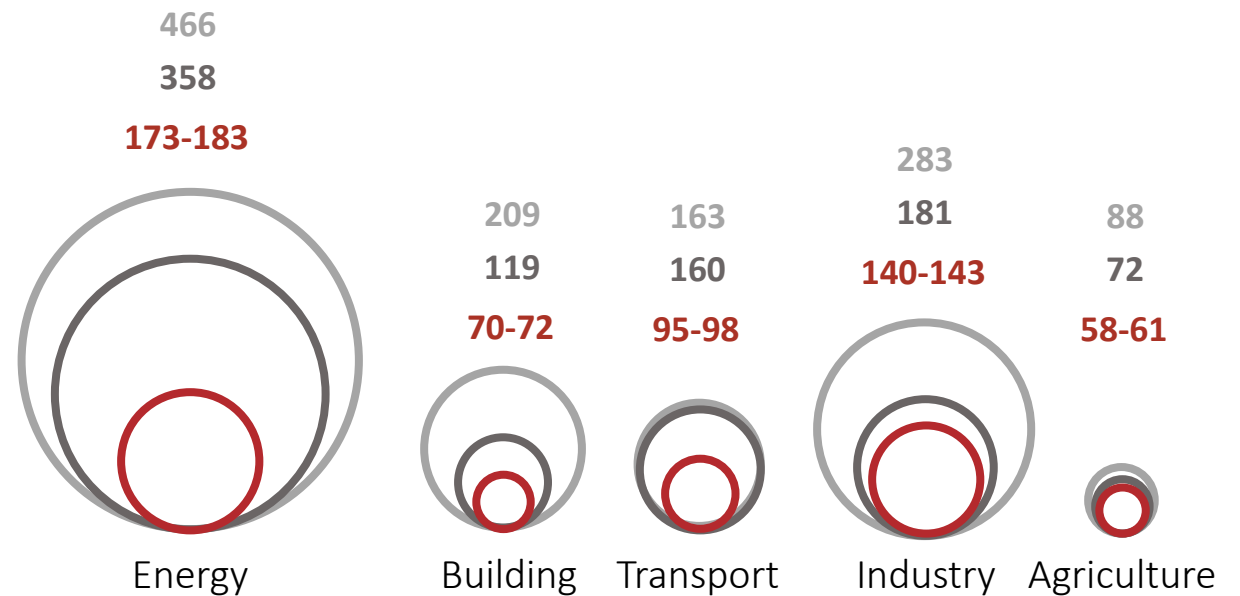
Dr. Julius Scholz | Program Manager International Cooperation | NOW GmbH

GERMANY'S FEDERAL CLIMATE PROTECTION PLAN

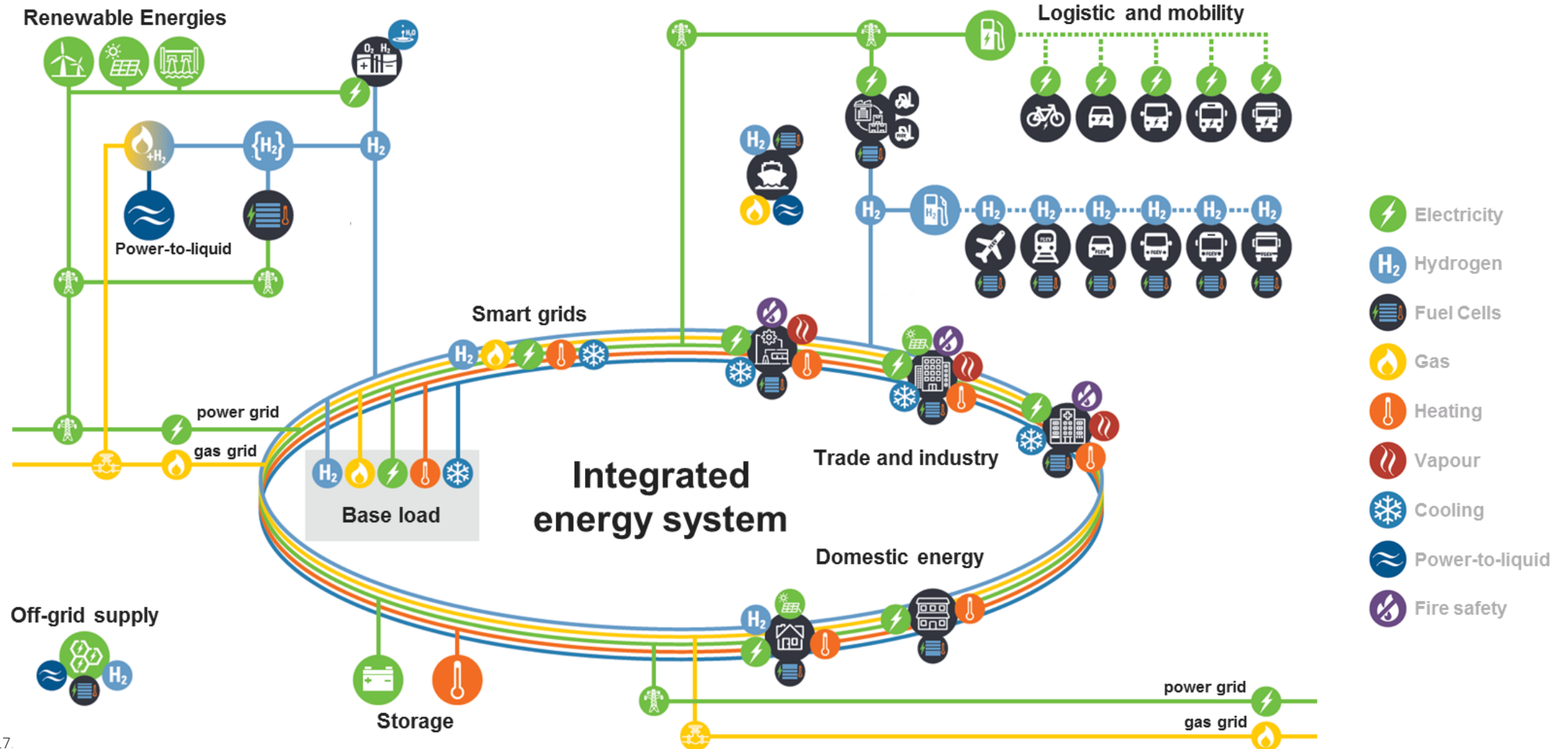
All sectors with ambitious objectives



National Objectives 2030 for Sectoral Climate Protection
Reduction of emissions since 1990 and plan for the next 11 years (in mio. t CO₂)



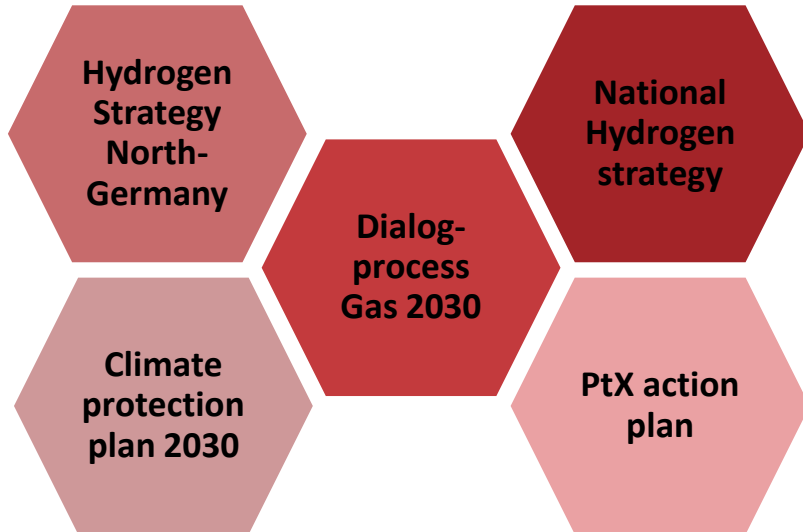
THE ROLE OF HYDROGEN IN TOMORROW'S INTEGRATED ENERGY SYSTEM



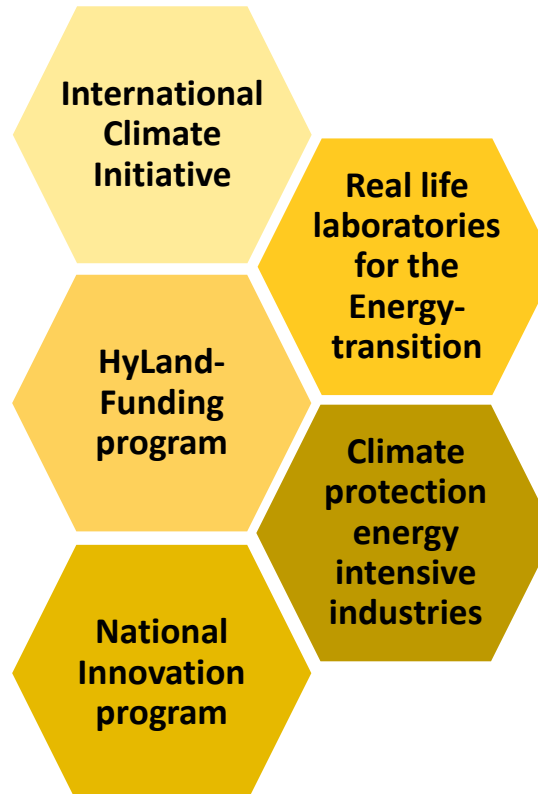
CURRENT POLITICAL DEVELOPMENTS

Various political Strategies & Funding programs

Strategies



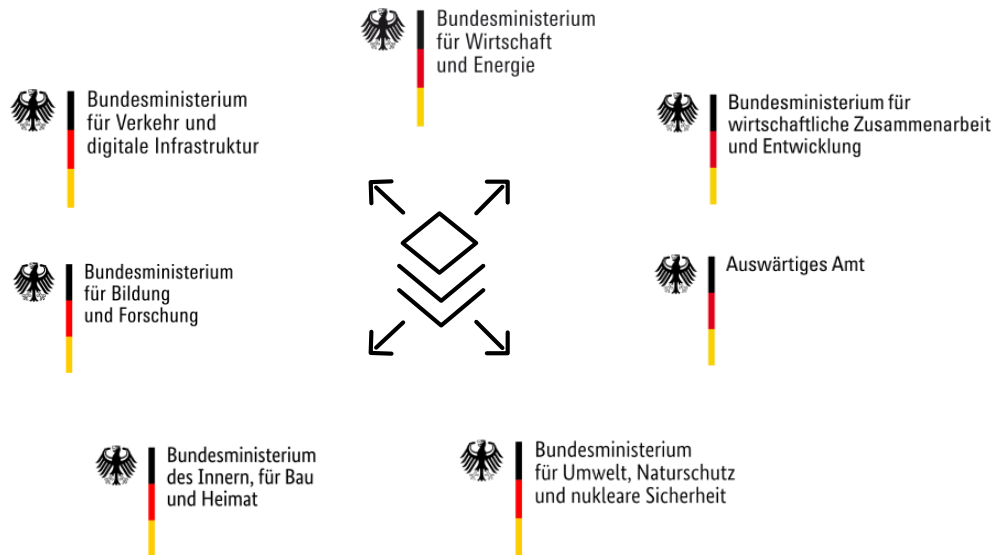
Funding



Goals alone are not sufficient.
We need implementation of measures.

NATIONAL HYDROGEN STRATEGY

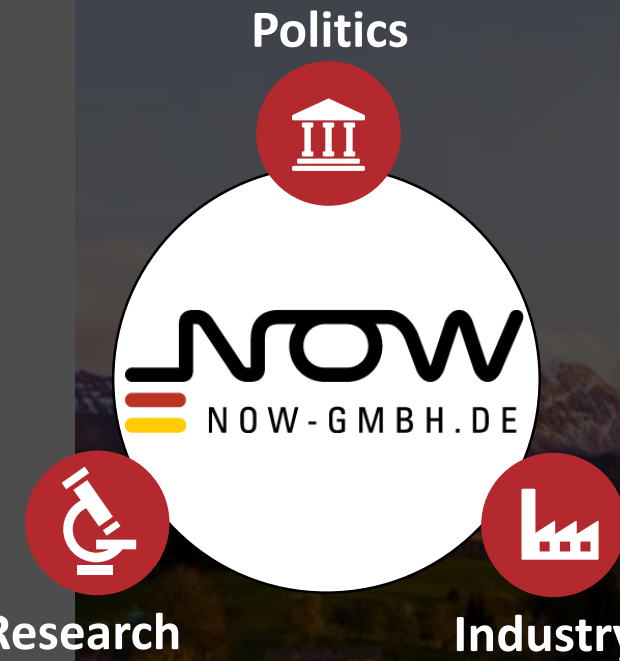
Coordination of activities in different sectors and for different applications



Potential:

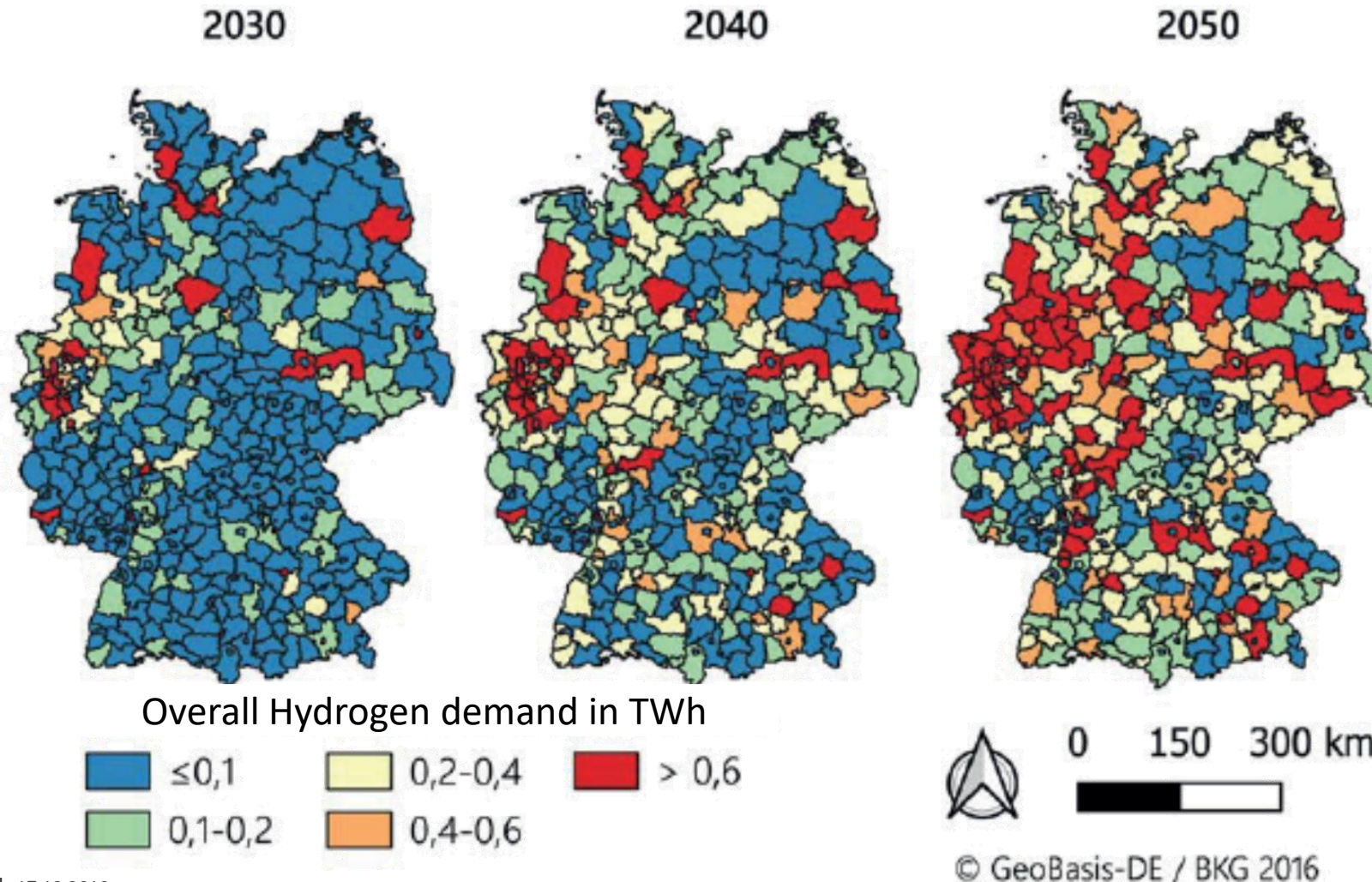
- Establishment of Germany as leading market
- Fulfilment of national climate targets
- Export of technology and resources

National organization for Hydrogen and Fuel cell Technology



Professional support, consultation and coordination

REGIONAL DISTRIBUTION OF H₂-DEMAND IN INDUSTRY AND MOBILITY



Source: National Platform 'Future of mobility', WG 5, PtX-Roadmap based on FfE 2019

NATIONAL ACTIVITIES IN LINE WITH INTERNATIONAL APPROACH



**Reallabore /
HYLAND / ...**



H2 Valley



**Mission Innovation
IC#8**

Potential of the Initiatives:

- Demonstration of and story line for H2 Technologies
- Stakeholder network
- Including existing initiatives
- Including national stakeholders in international activities
- Knowledge transfer and link between both national and international activities



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Thank you for your attention!

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IC#8 AND ITS ROLE IN THE HYDROGEN ECOSYSTEM

