



Hydrogen 4 Climate Action

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Narrative

- Green Hydrogen has significant potential on the road to reach zero emission
- Clean Hydrogen suffers from a market failure
- Proof of concept is behind us
- We have many specialized and qualified manufacturers in Europe
- **Many MSs are struggling to achieve the emission reduction targets and risk significant fines**

Hydrogen ...

Generation /
Electrolysers

Transmission /
Transportation

Mobility/ Fuel Cells

Industry use
feedstock - heat

Energy storage /
conversion

Heating of buildings

... is a very broad value chain



An IPCEI on Hydrogen

Objectives :

- 1) Provide significant support to the EU Climate objectives & Security of Energy Supply
- 2) Overcome the supply/demand deadlock by a concerted effort
- 3) Kick-start massive Hydrogen production & utilization in the EU
- 4) Enhance the Competitiveness of EU Industry

A broad Alliance

- ✓ Industry is ready to move ambitiously
- ✓ Hydrogen based Mobility/Transportation is picking up speed
- ✓ Climate/Paris agreement need every contribution possible
- ✓ Renewable Energy is facing bottlenecks
- ✓ Regional „Hydrogen Valleys“ are popping-up
- ✓ Civil Society wants to see action



From research to roll-out

Zero emission is difficult to achieve

