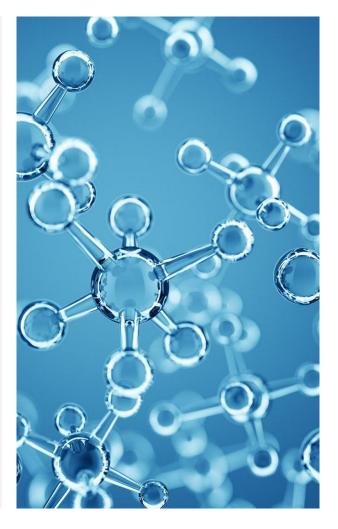
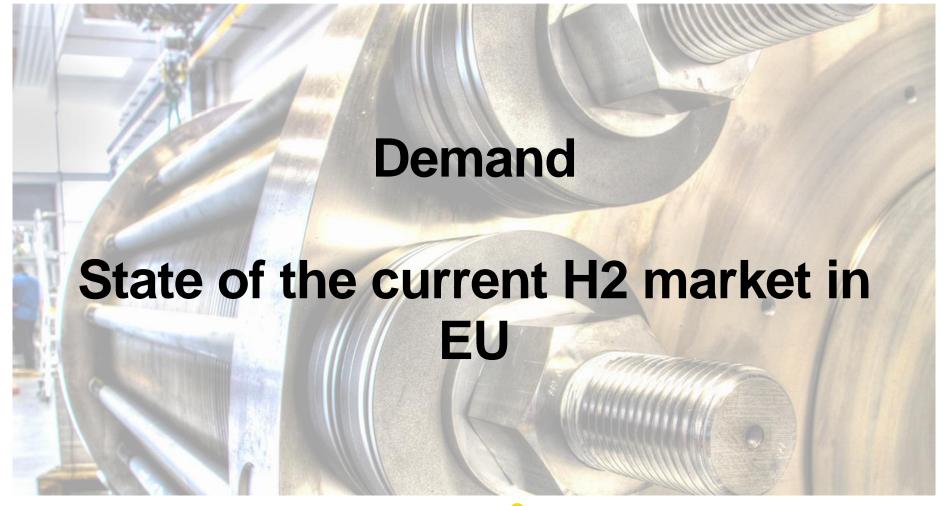


Agenda

- → Demand
- **→ Stakeholders**
- → Offshore wind

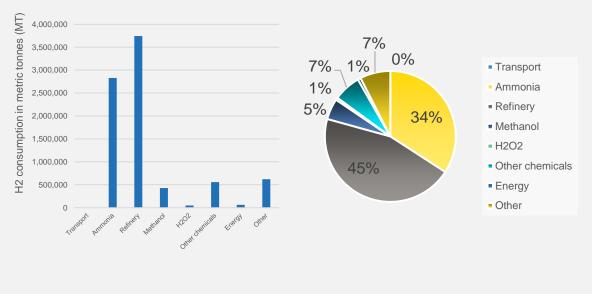




EU Hydrogen consumption by sectors (March 2020)

Current demand for hydrogen in Europe by sectors

Data extracted from Fuel Cells and Hydrogen Observatory (FCHO)



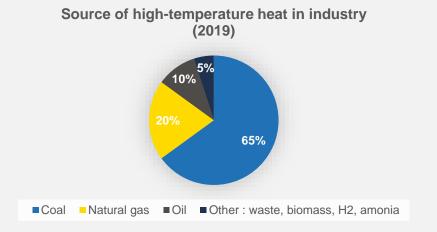
H2 Production

- According to IEA 2020, only 2% of H2 produced by electrolysis
- The remaining 98% is produced through stream methane reforming (SMR) or coal gasification

EU hydrogen demand by sectors



Industrial demand for hydrogen: High-temperature heat for industry

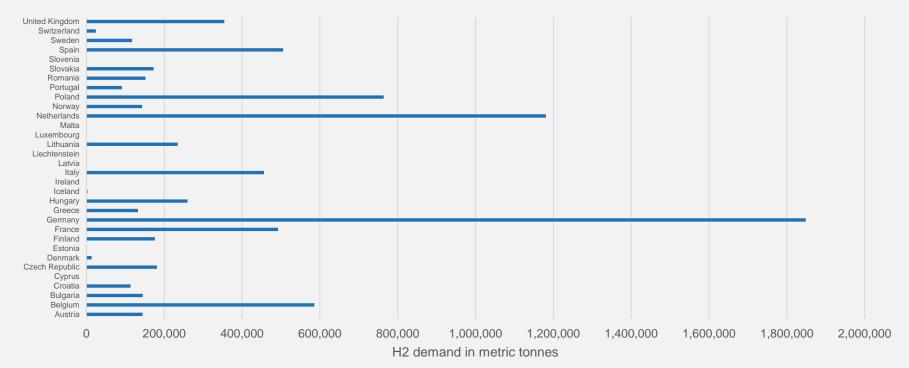


✓ But challenges : technological barriers, cost competitiveness, security and curtailment



Current demand for hydrogen in Europe by country

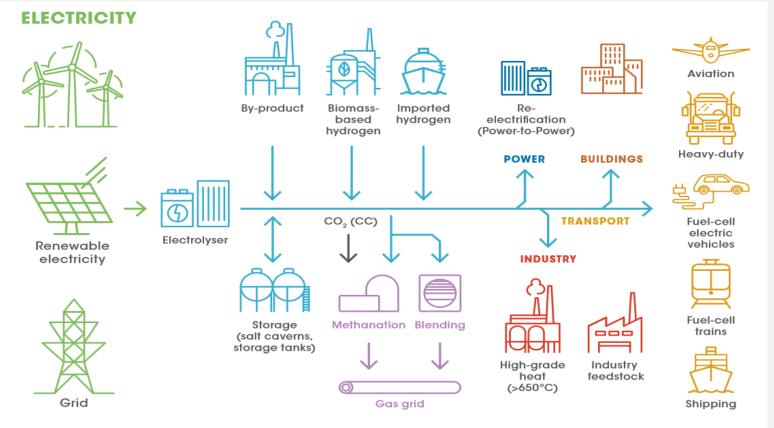




Data extracted from Fuel Cells and Hydrogen Observatory (FCHO)



Potential offtakers

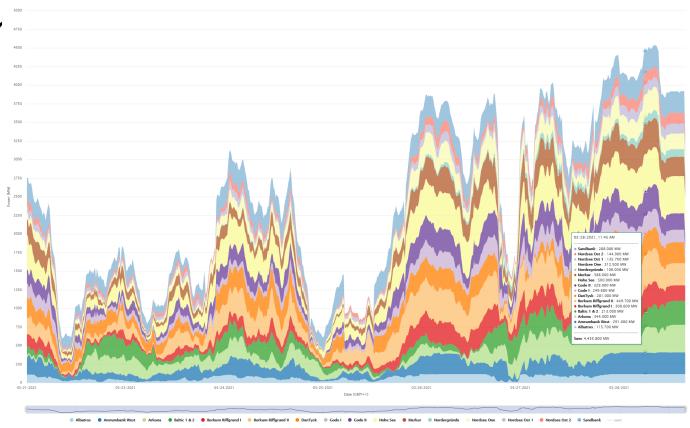


Stakeholders of H2 market in EU **Developers Policy makers Policy makers** Revenue-Decarbonization stabilisation jobs competitiveness Industry **Economic activity** Change to more 1 WTG active pull (connections)



Offshore wir

- 300GW +
- Infrastructure
- Intermittency





Offshore wind

- Connection types
 - Stable power output
 - Combined solutions
 - Deeper integration





HYBRIT and SALCOS – Fossil-free steel production

- Fossil-free steel production
- Large-scale fossil-energy-free steel production in Sweden, Finland and Germany by 2026
- Joint ventures
- HYBRIT and SALCOS







