

Green H2 in Spain

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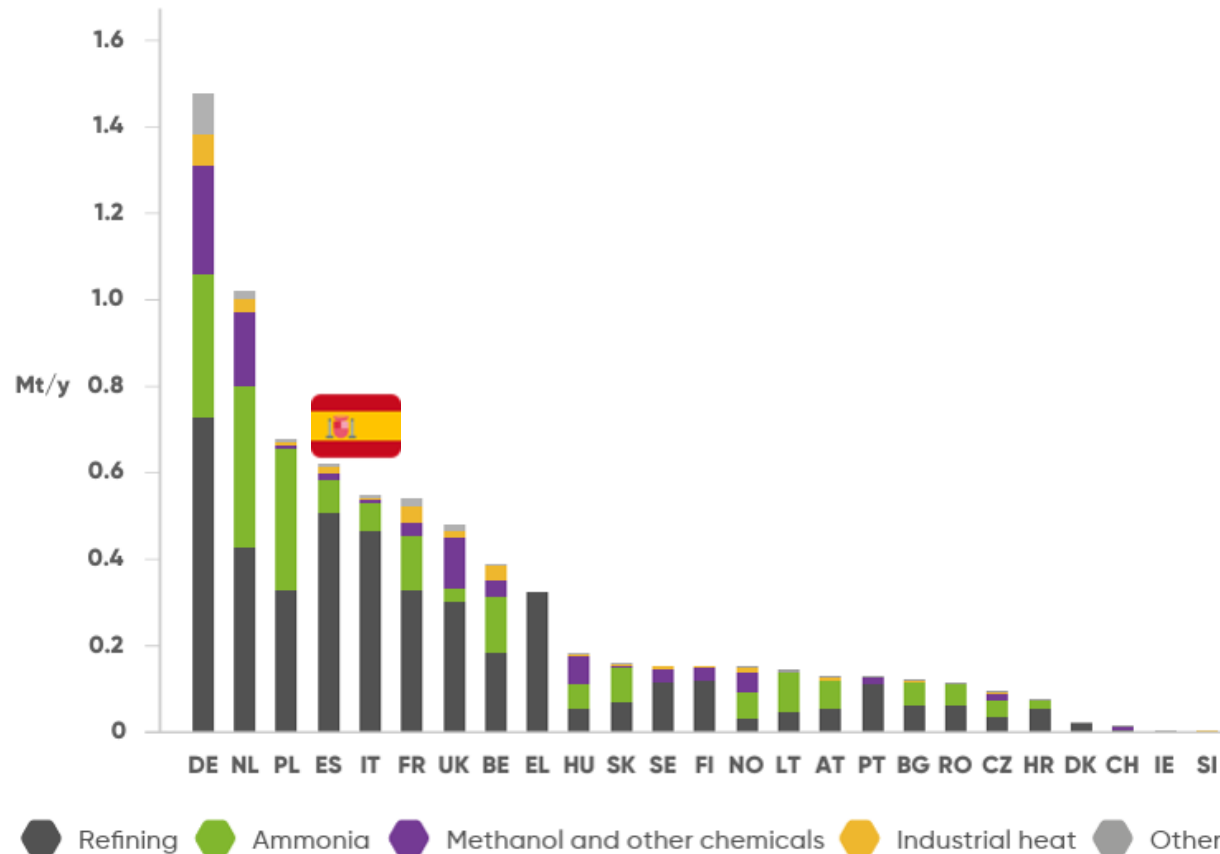
Embassy of Spain in Malaysia



Hydrogen Economy Forum - Kuching, June 9th

1. Spain's key strengths for green hydrogen

Hydrogen demand per country and sector in Europe in 2024

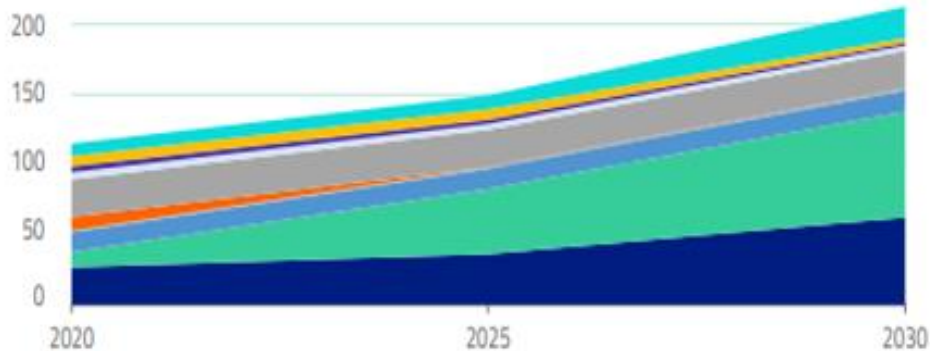


- 4th EU country H2 demand 600.000 tons/yr
- Large tractor companies (renewables, oil companies, gas transport) → H2 valleys
- High interest of investors
- >3 B€ of Public funding
- Active H2 R&D

2. Updating Spanish Energy and Climate Plan 2030



**Electrification:
x2,9 Renewable Installed
Capacity**



% of renewables in electricity generation



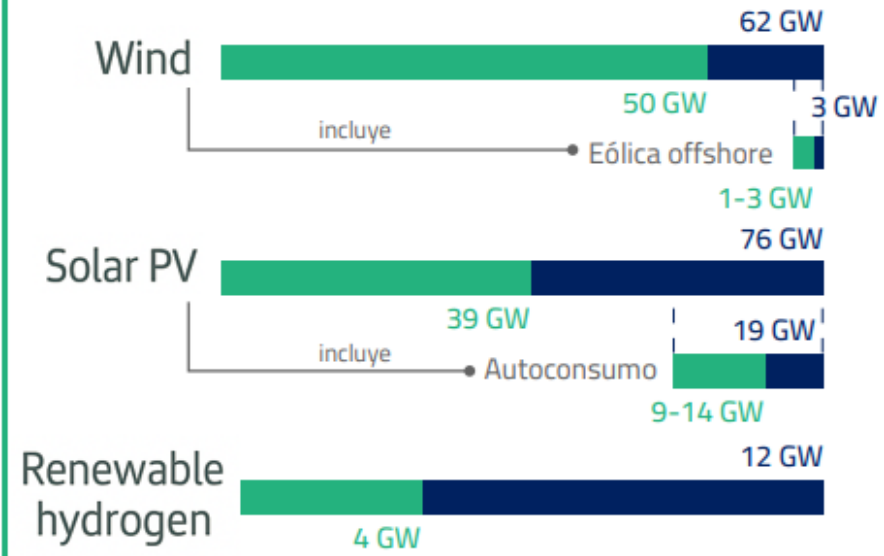
% of renewables in final energy consumption



Energy independence



More ambitious objectives ■ PNIEC-21 / Hojas de Ruta ■ PNIEC-23



3. Regulation: A holistic approach

Permitting

Public utility for H2 pipelines
Simplified environmental impact assesment

Network

New Electricity Network Planification
Electrolyzers exemption in tariffs
Gas TSO (Enagás) qualified to develop H2MED and Iberian Backbone (PCI Projects)

Supply

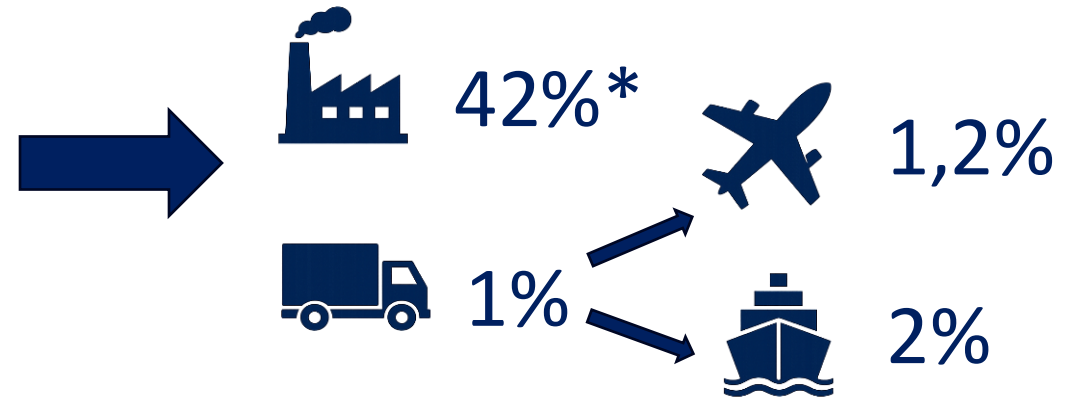
EU Free emissions allowances for producers

Certification

Guarantees of origin for renewable gases

Demand

Ramping up to RFNBO obligations in 2030
Obligation for renewable fuels in road (x2)



* Of industry hydrogen consumption

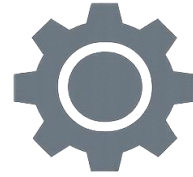
4. Public Funding

3 B€ Budget for H2 Funding Lines

- More than 120 projects and around 4GW of electrolysis
- 4 Lines: Pioneers + Value Chain + IPCEI + Clusters



- Annual Auctions of the European H2 Bank to promote production



- H2 value chain: to develop the H2 industry -from components, to electrolyzers.



- H2 Valleys + Industrial adoption: production, consumption, logistics, ports, H2 distribution.

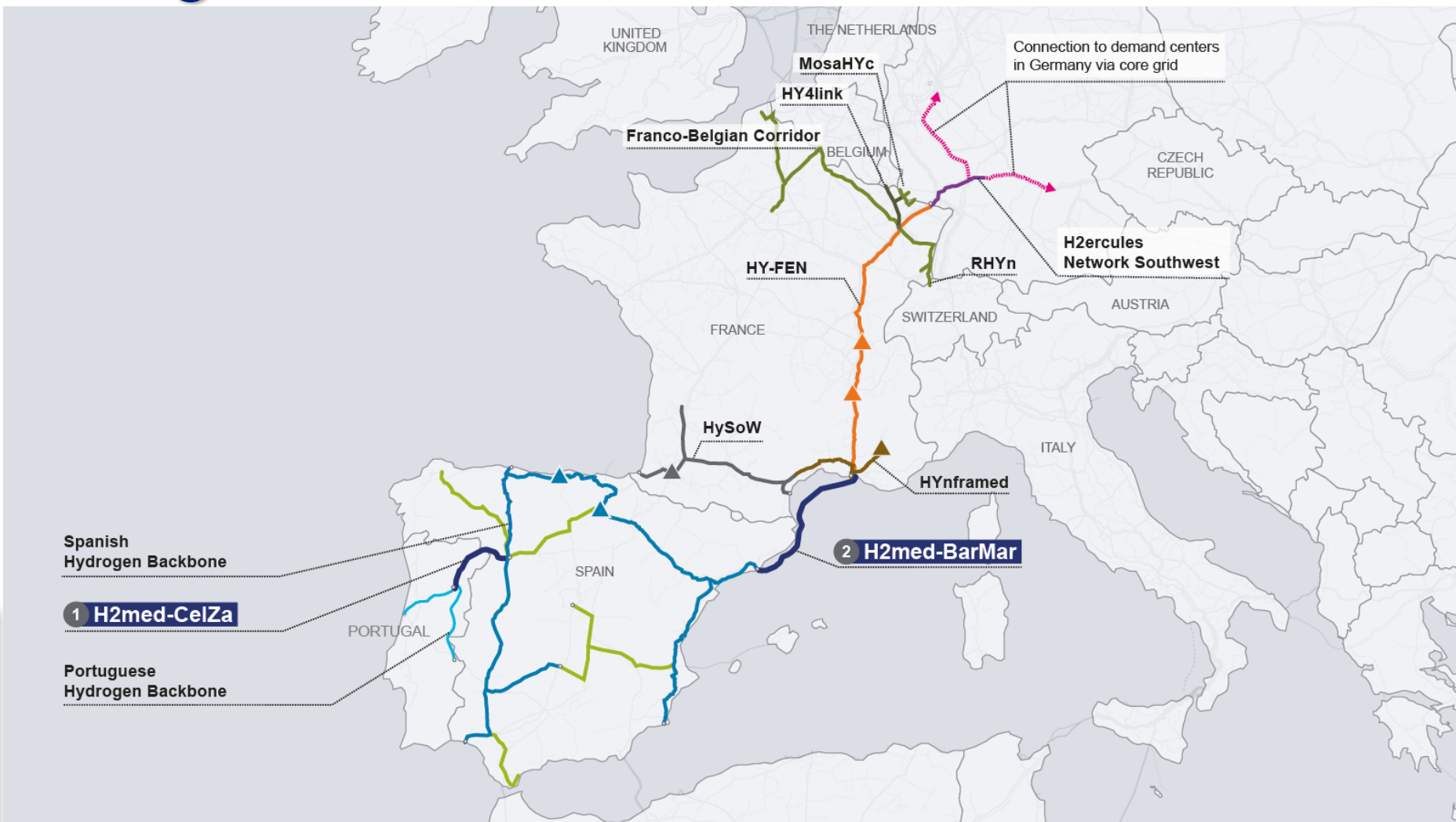


- Important Projects of Common European Interest – H2 pipeline interconnection.

5. H2Med: Connecting Iberian Peninsula with the rest of the EU



- ★ Validation of the CEF financing mechanism for construction
- ★ Expected commissioning in 2032



THANK YOU!

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