



Obchodní příležitosti v nizozemském vodíkovém hospodářství

Business opportunities in Dutch Hydrogen economy

Nick Bijlsma

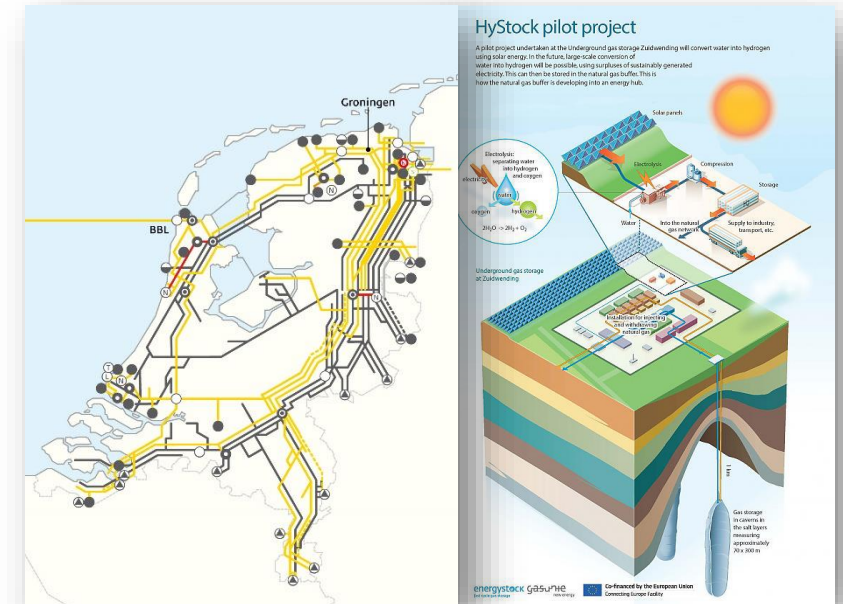
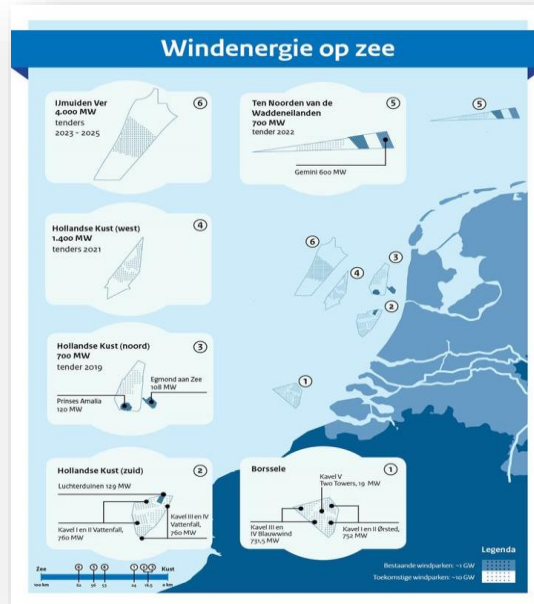
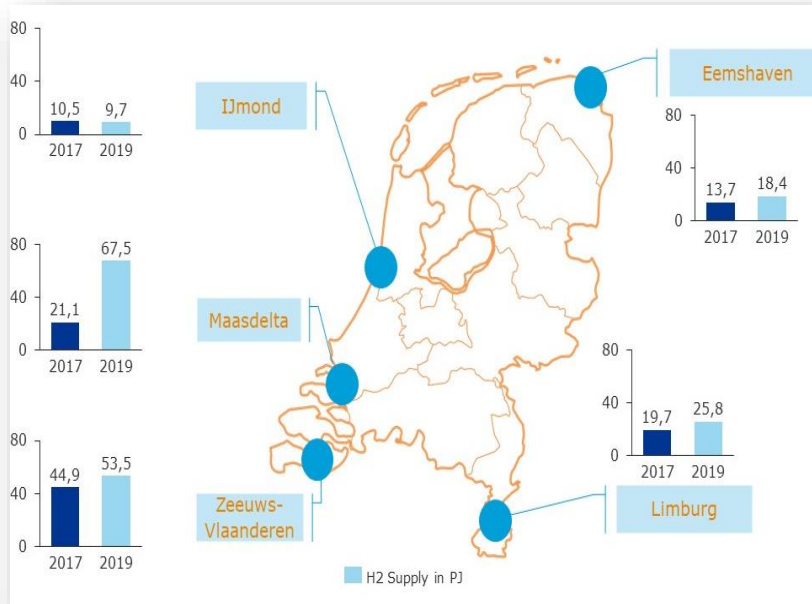
Ministry of Foreign Affairs of the Netherlands

7 March 2024 – webinar CzechTrade/HyTep





Drivers in NL: Why Hydrogen?



Replace existing grey hydrogen in industry and develop new applications (mobility, dispatchable power, etc.)

Large potential for offshore wind in the North Sea Target: approx. 20 GW by 2030; 70 GW by 2050

Shutting down gas production in Groningen. Reuse of existing gas infrastructure and knowledge. Great potential for large-scale storage.



Dutch Strategy

- Cost reduction
- Market development
- Infrastructure
- International cooperation



2019 Climate Agreement

- Hydrogen was a major theme
- Ambition 2030: 3-4 GW capacity



2020 Government H2 Strategy

- Systemic role of hydrogen recognized
- Clear policy agenda: focus on scaling up & cost reduction of electrolysis

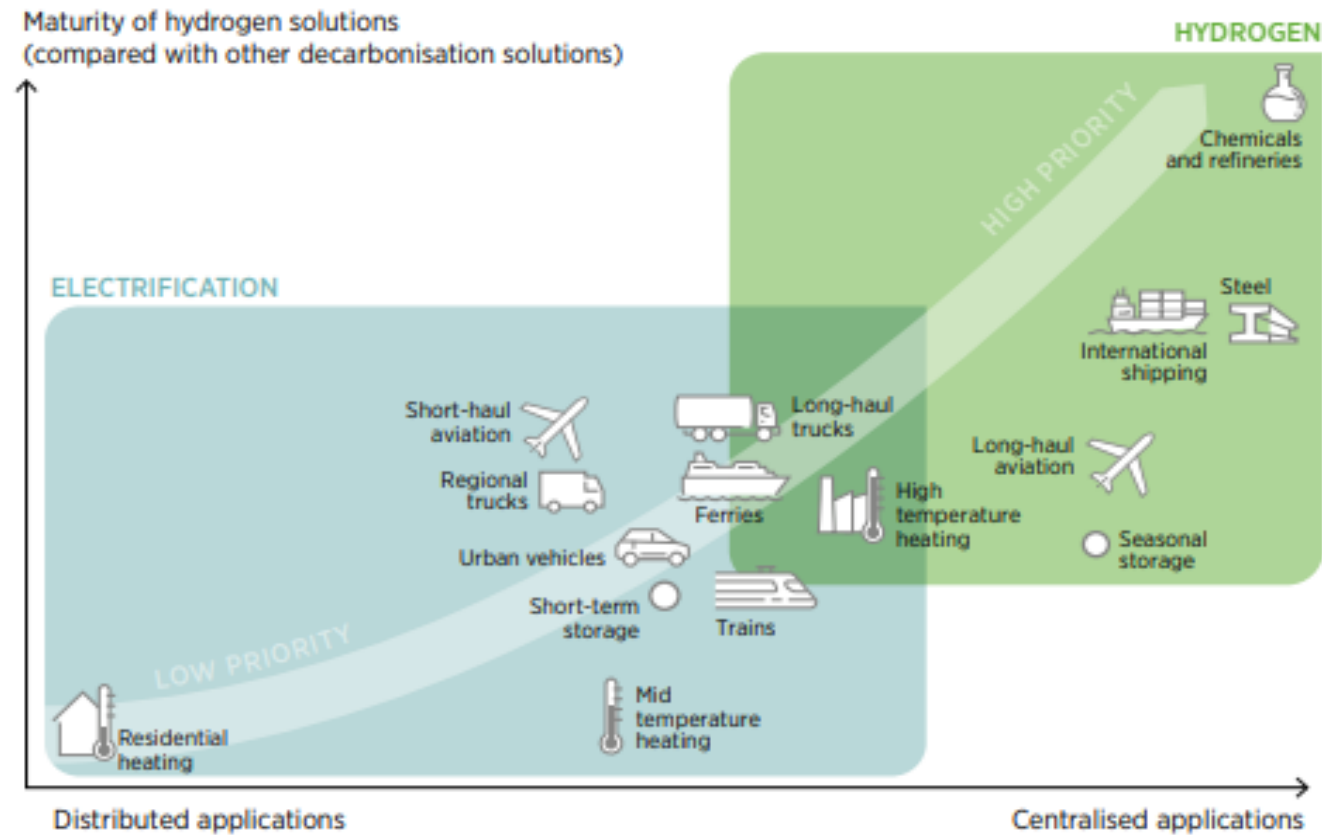


2020-2023 Implementation

- National Hydrogen Program
- Extensive funding for R&D and demonstration projects
- Infrastructure development plan
- International cooperation and development of international market

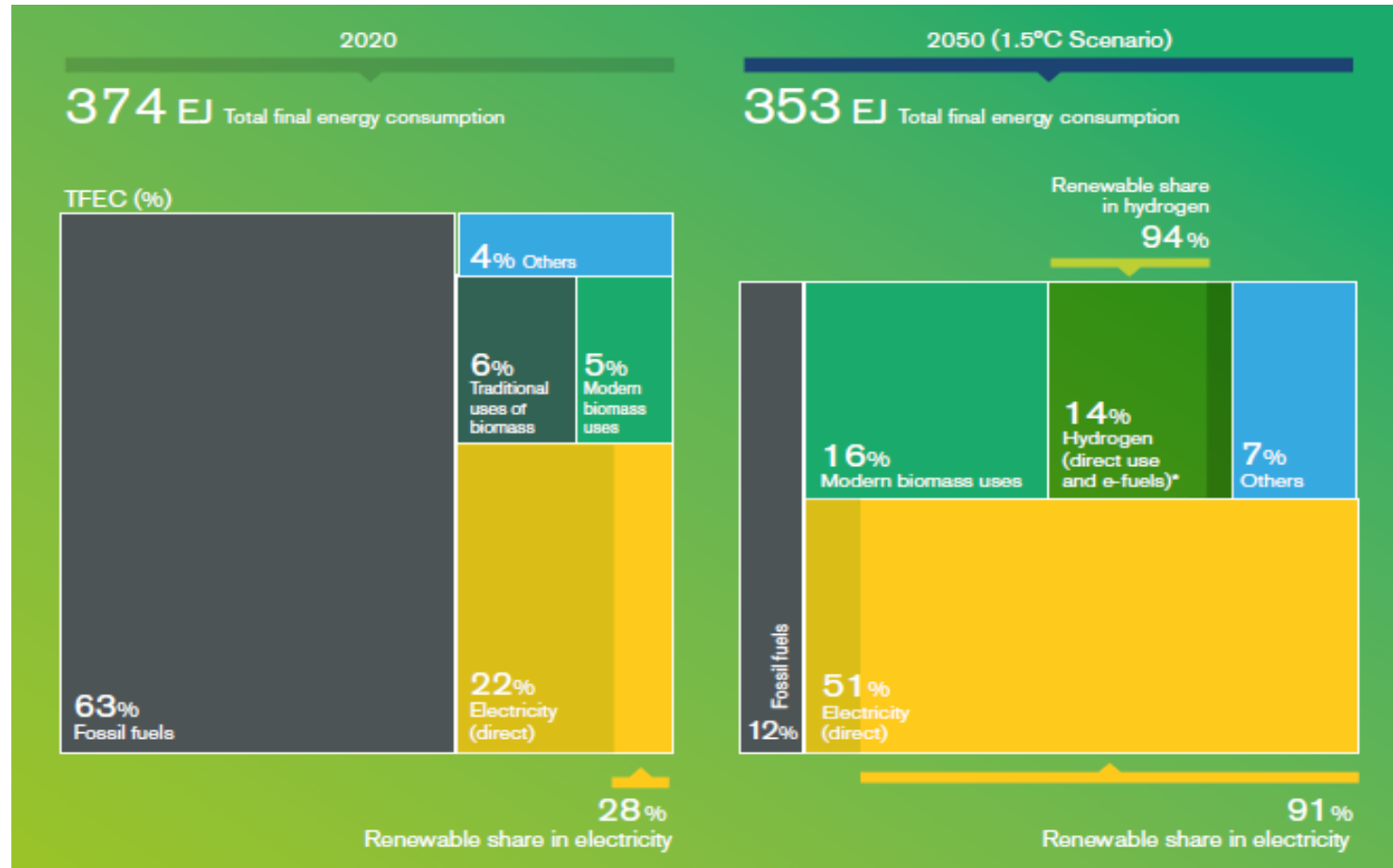


Priority settings for hydrogen applications across the energy system



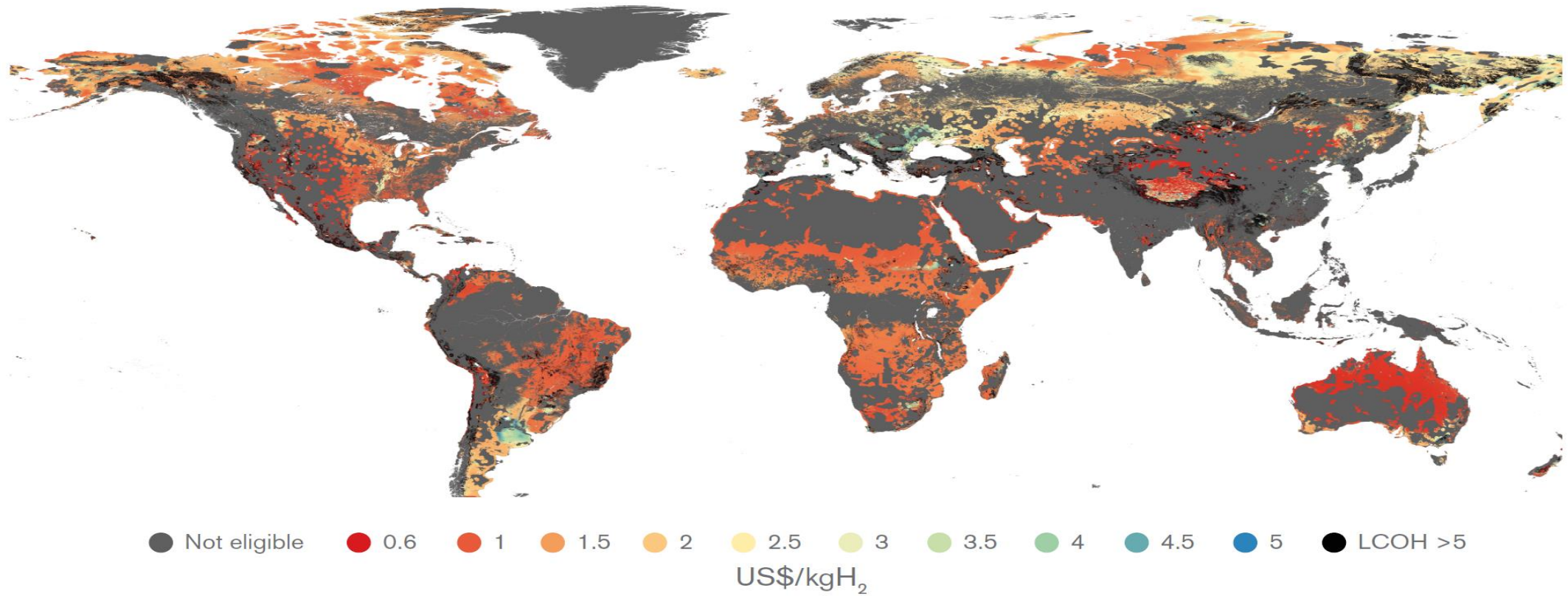


Energy consumption by carrier now and in 2050 (1.5°C scenario)





Levelized cost of hydrogen in 2050



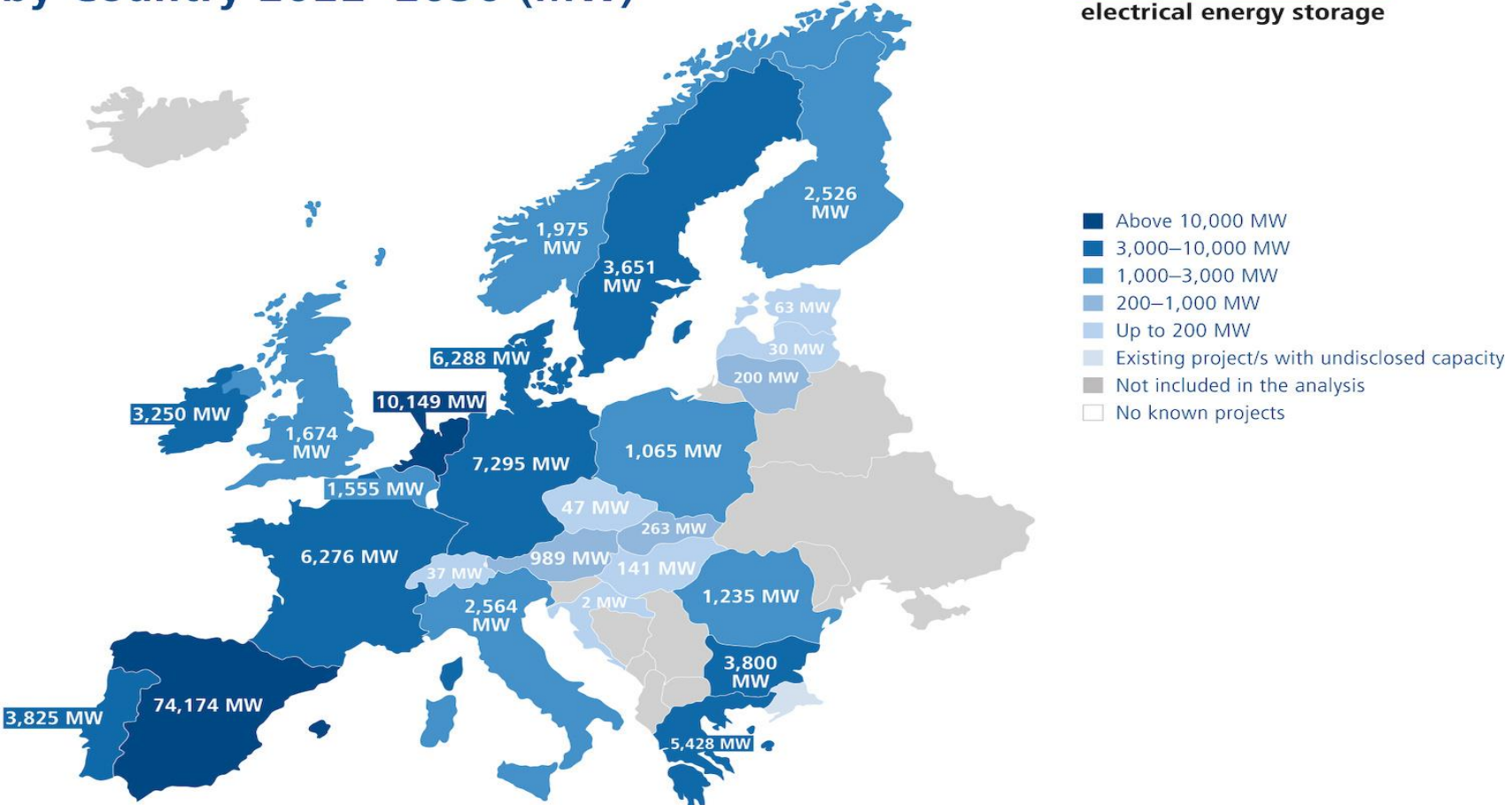


Trade relations

- Missions, MoU's, policy making, visits
- World Hydrogen Summit: 13-15 May in Rotterdam (NL)

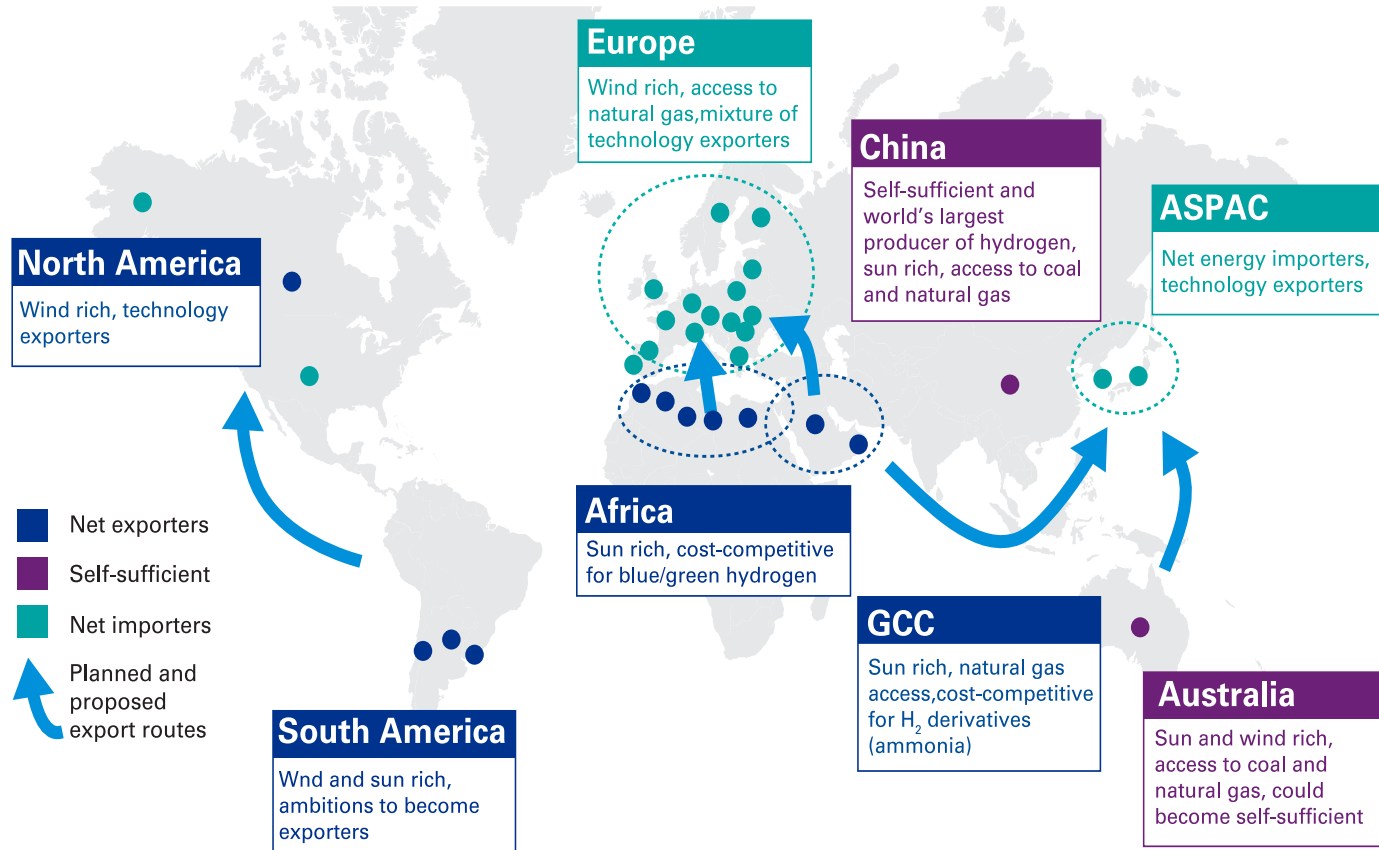


Planned Electrolyzer Capacity Additions by Country 2022–2030 (MW)





Worldwide trade – import corridors

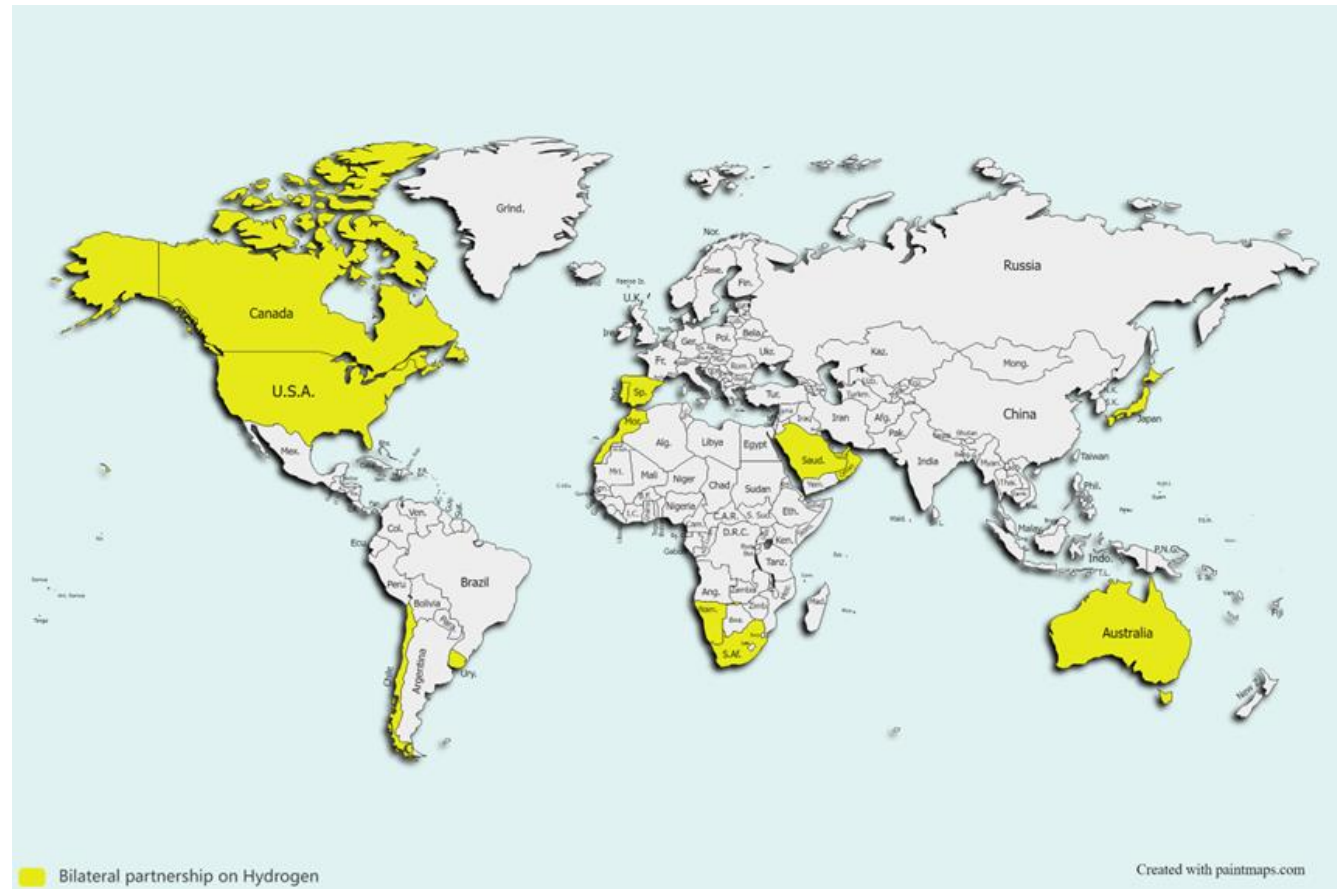


Global hydrogen hot spots and distribution corridors (not exhaustive).



Strategy:

- 1) **Creating a European market** (RED and decarbonization package); *providing certainty on infrastructure, certification & regulation.*
- 2) **Shared approach with Germany and Belgium** (EU policy and bilateral).
- 3) **EU and international cooperation within multilateral organizations.**
- 4) **Facilitate import-export chains** by establishing cooperation with exporting countries (diversification of suppliers and carriers).
- 5) **Learning from first import projects** (aim 2026): *what is needed in terms of regulations and infrastructure.*





13/14/15 May in Rotterdam



WORLD
HYDROGEN
2024
SUMMIT & EXHIBITION



Main organiser

sec Sustainable Energy Council



Co-organiser



Co-organiser

Government of the Netherlands

Co-organiser



Co-organiser



World Hydrogen Summit (WHS2024)

- Access to trade exhibition 13-14 May is free!
Personal registration at WHS2024 is obliged
- Czech Embassy has a booth at the WHS

World Hydrogen Summit
Rotterdam – May 2023





Contact info

Nick Bijlsma

Senior Policy Officer Hydrogen
Ministry of Foreign Affairs of the Netherlands

nick.bijlsma@minbuza.nl

