

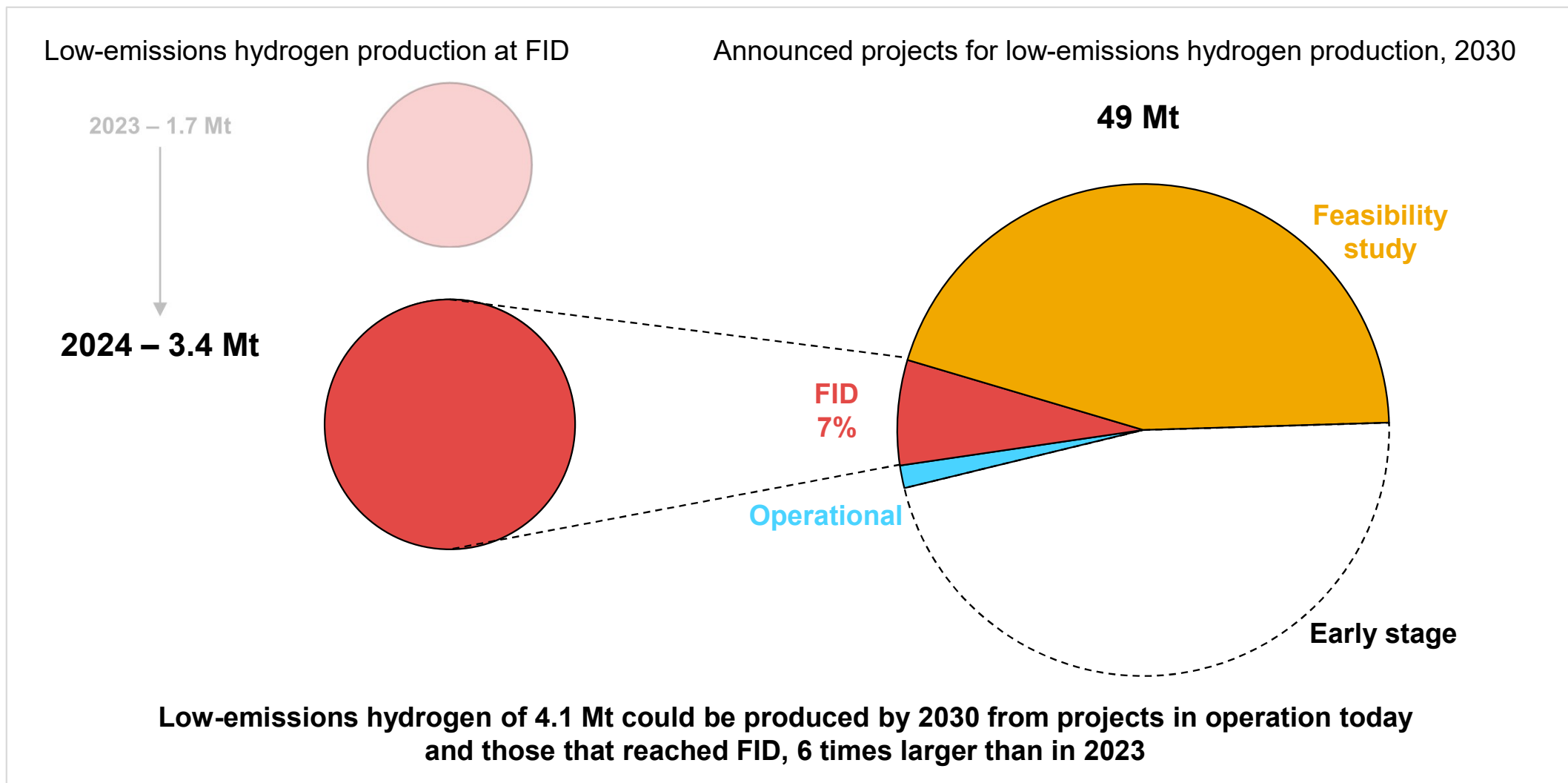


Global Hydrogen Review 2024

Launch webinar, 3 October 2024

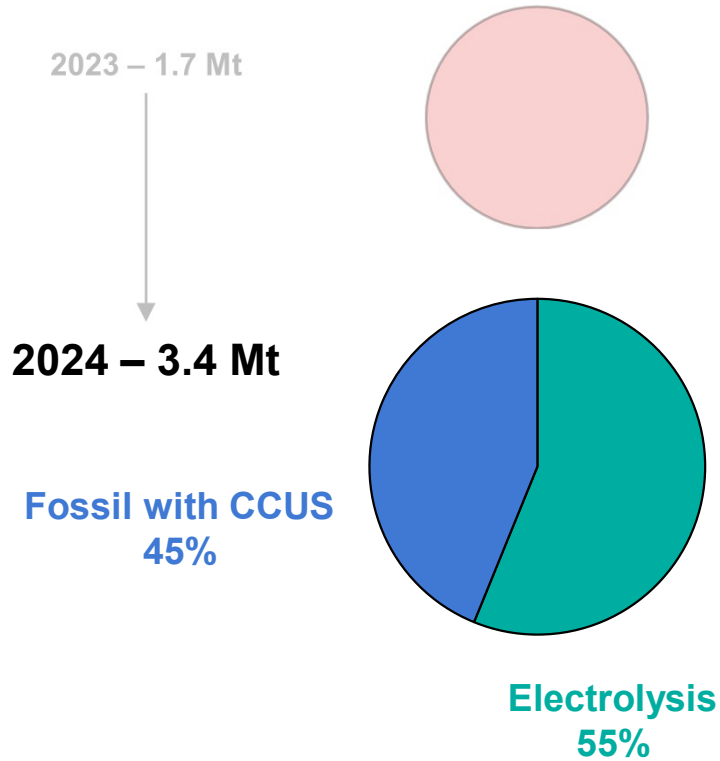


Investment decisions doubled in the last year

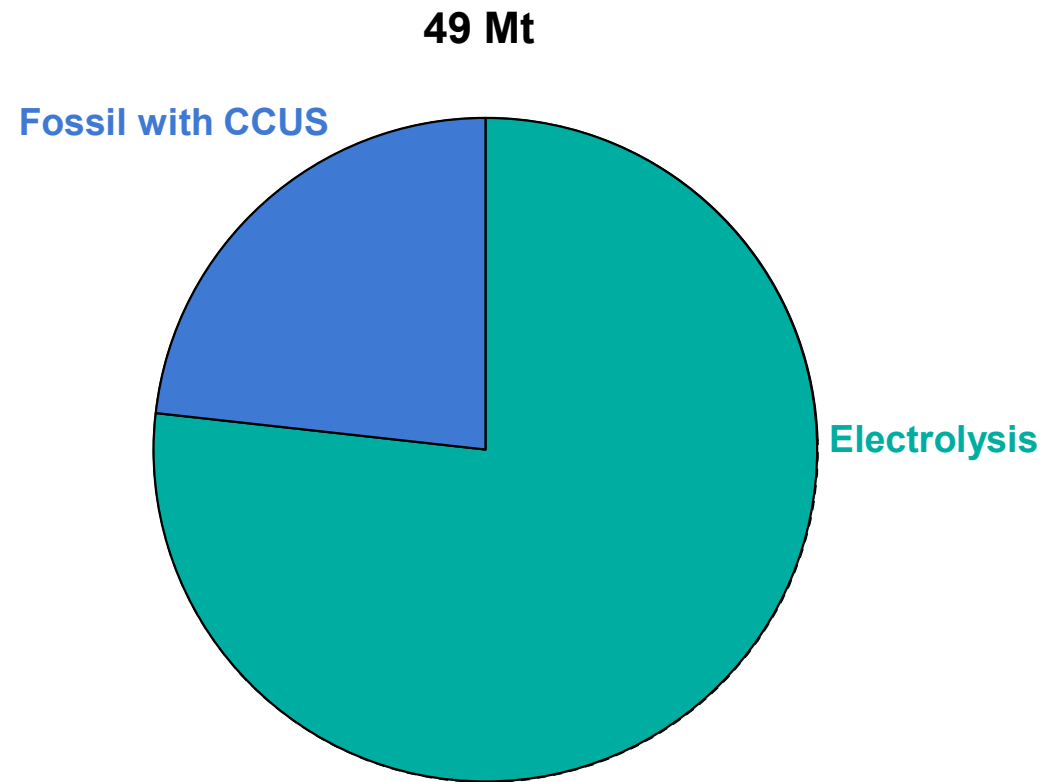


Investment decisions doubled in the last year

Low-emissions hydrogen production at FID

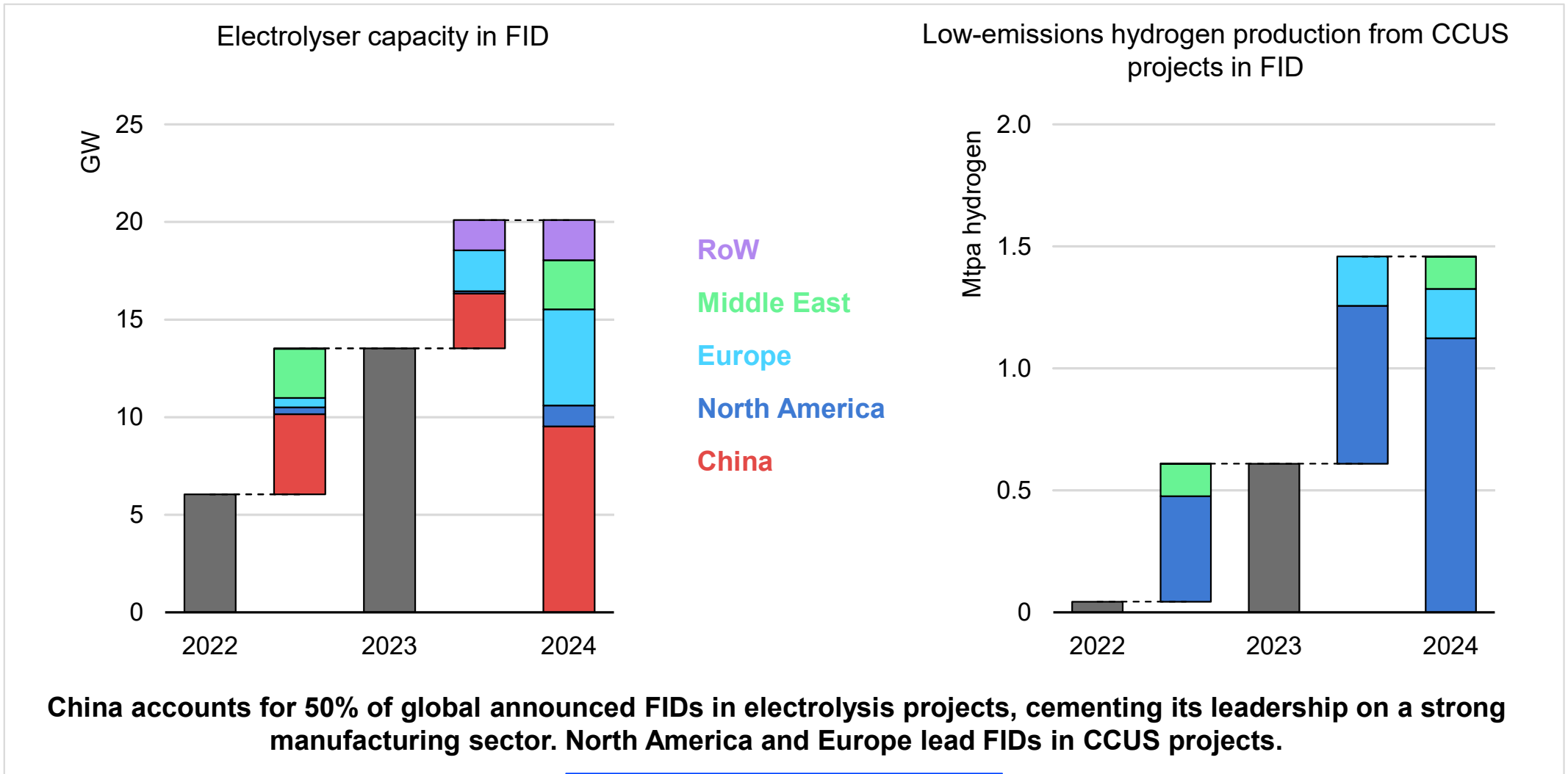


Announced projects for low-emissions hydrogen production, 2030



Low-emissions hydrogen of 4.1 Mt could be produced by 2030 from projects in operation today and those that reached FID, 6 times larger than in 2023

China and electrolysers: the sequel to solar PV and EVs?

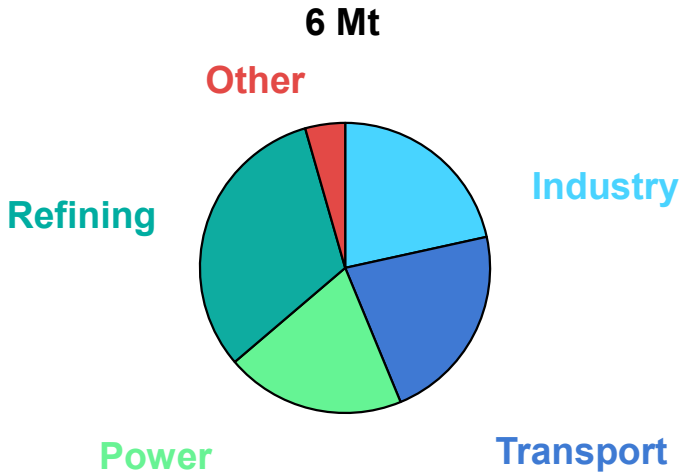


Growing gap in policy ambitions between production and demand



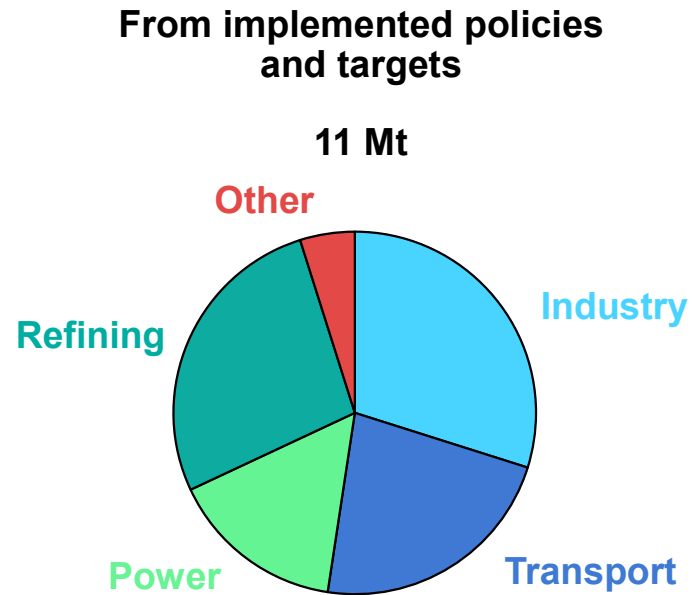
Potential annual demand for low-emissions hydrogen created by policy action, 2030

From implemented policies



Growing gap in policy ambitions between production and demand

Potential annual demand for low-emissions hydrogen created by policy action, 2030

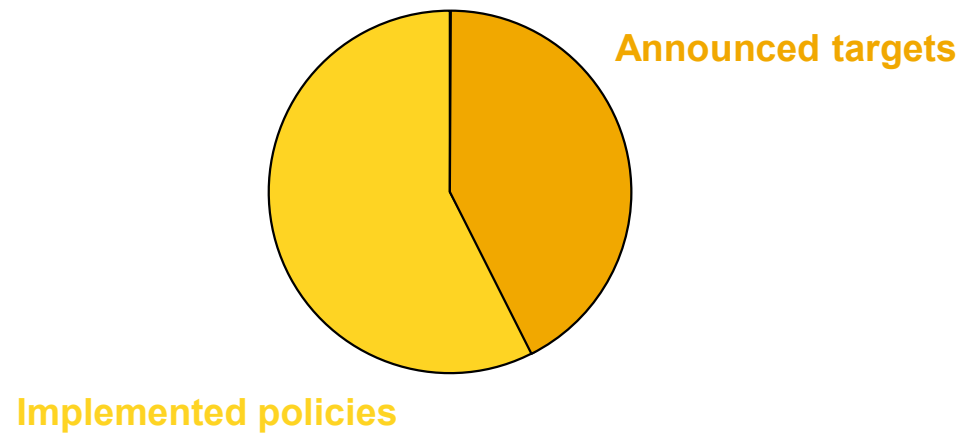


Growing gap in policy ambitions between production and demand

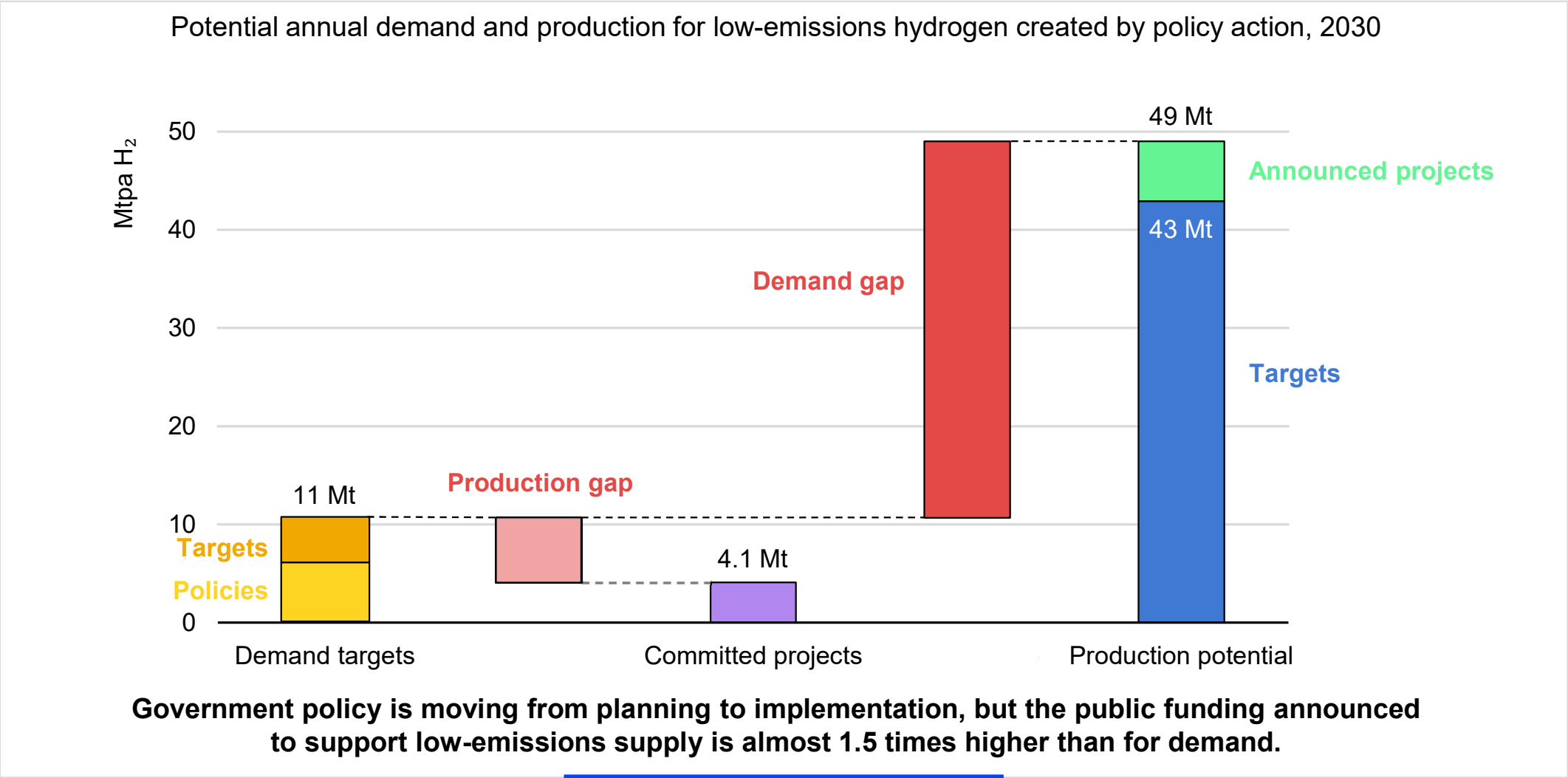
Potential annual demand for low-emissions hydrogen created by policy action, 2030

**From implemented policies
and targets**

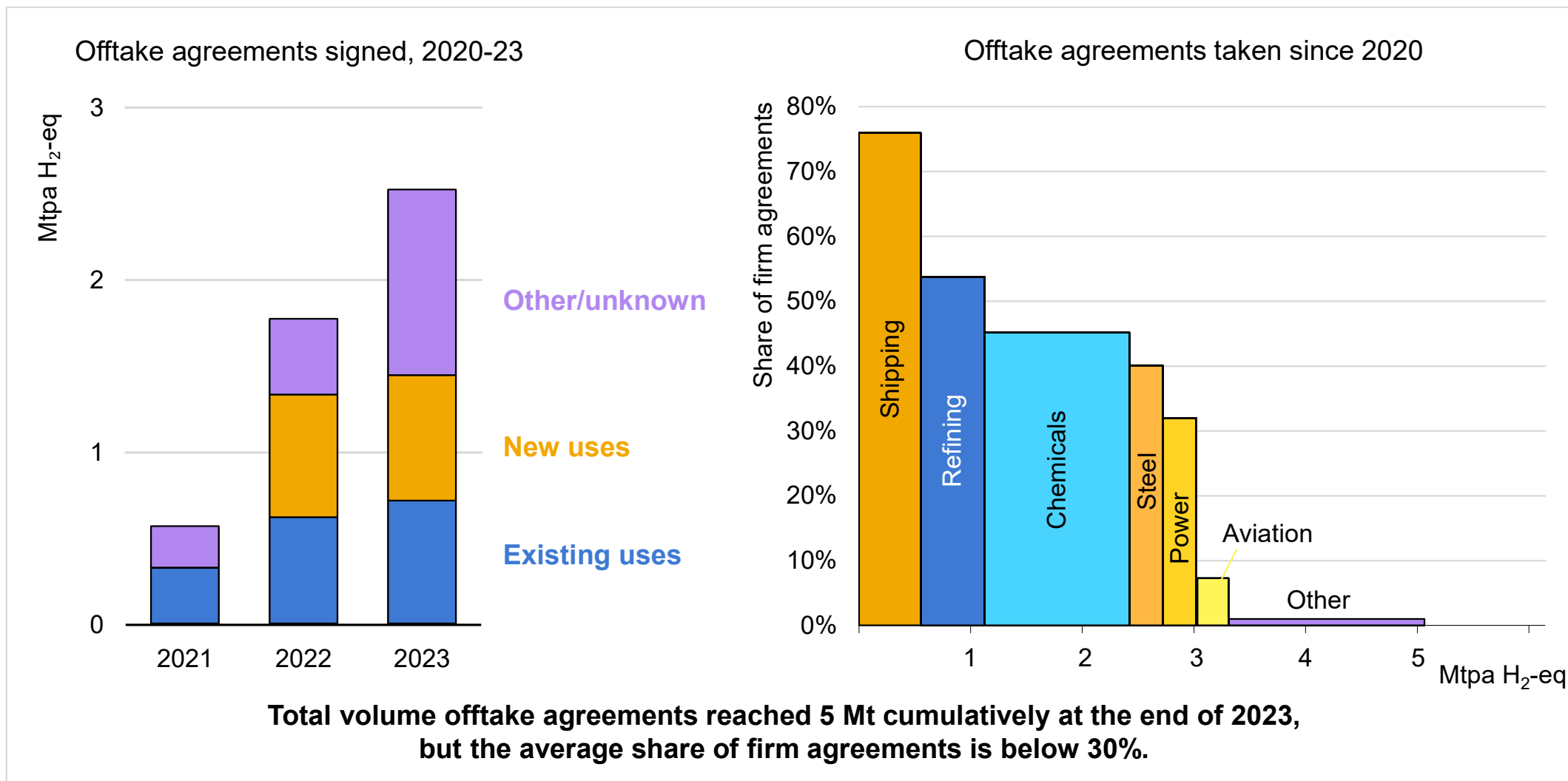
11 Mt



Growing gap in policy ambitions between production and demand

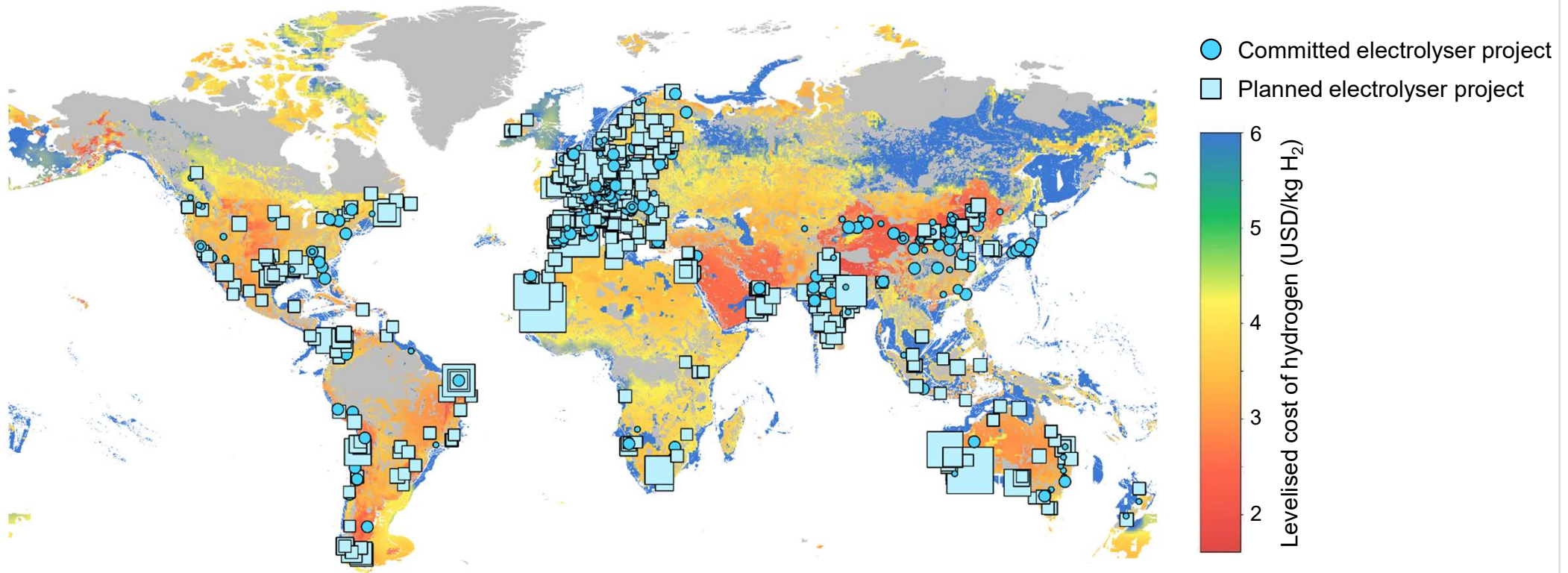


Offtake agreements are growing, but remain mostly preliminary



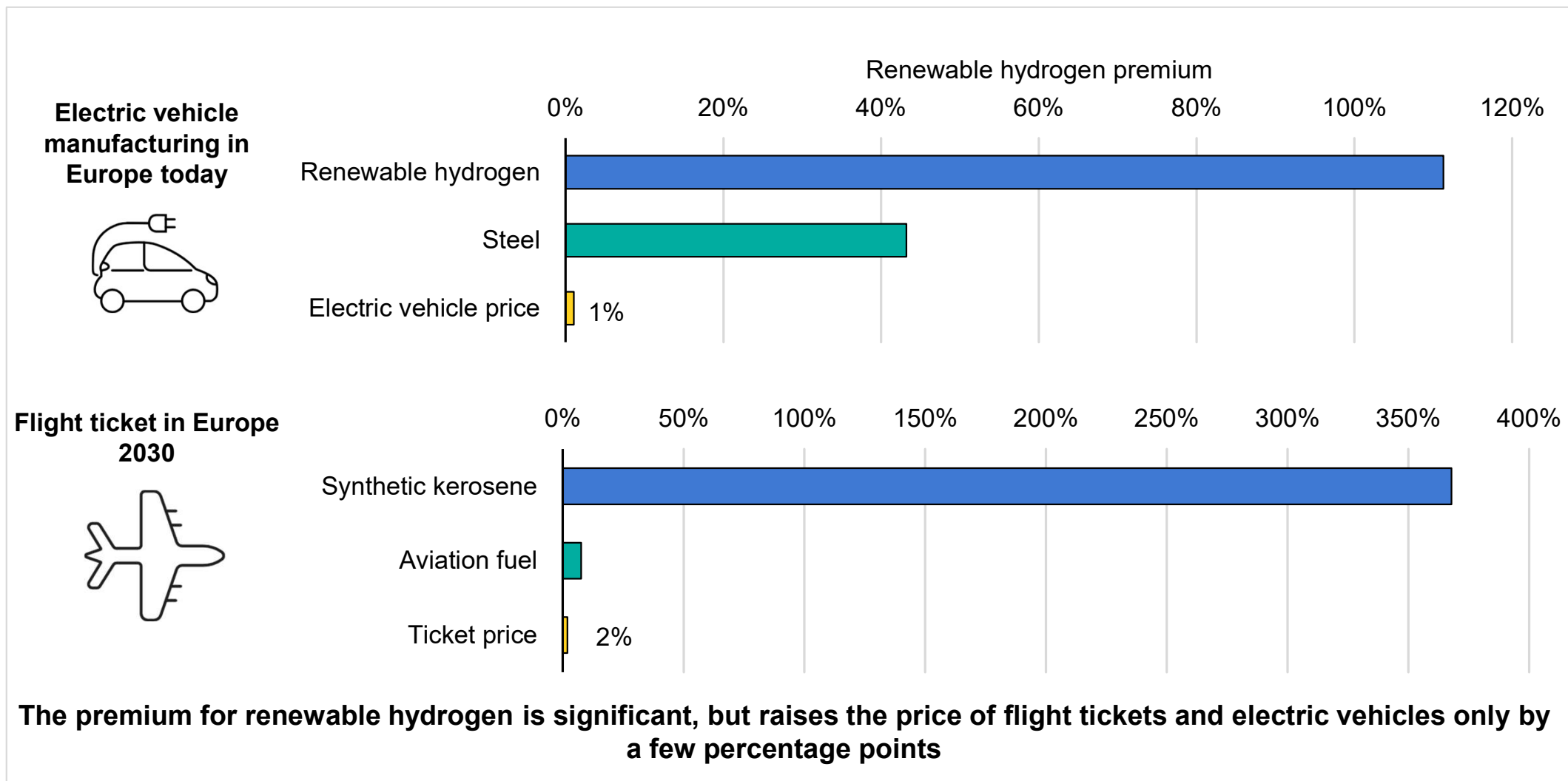
Scaling up deployment will bring down costs for renewable hydrogen

Hydrogen production cost from hybrid solar PV and onshore wind, and from offshore wind in the Net Zero Emissions by 2050 Scenario, 2030



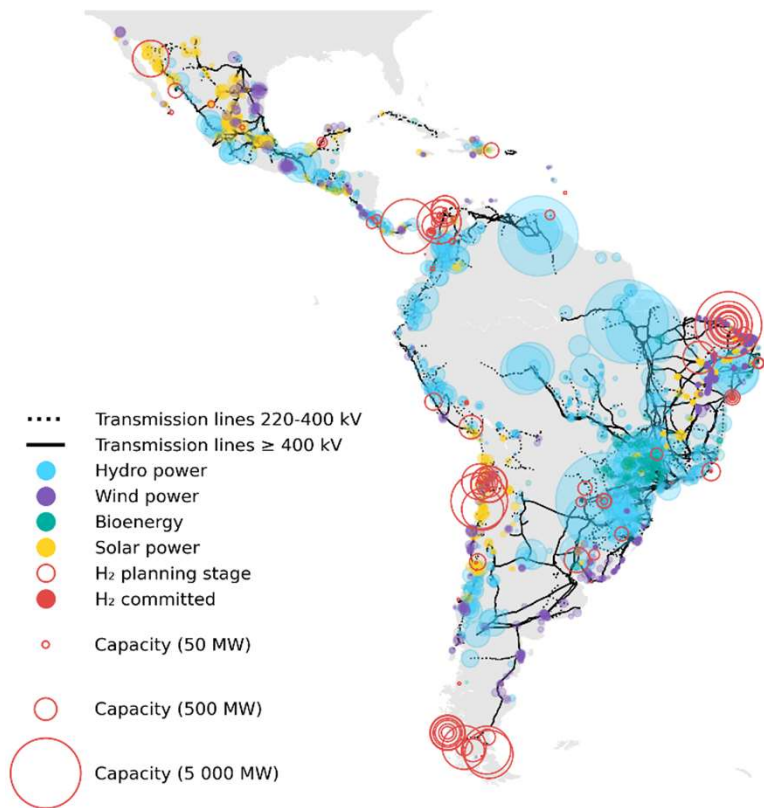
Various regions around the world have excellent renewable resources for low-cost hydrogen production. Production costs could fall below USD 2/kg H₂ by 2030 in certain locations.

Impact of renewable hydrogen on the cost of goods and services

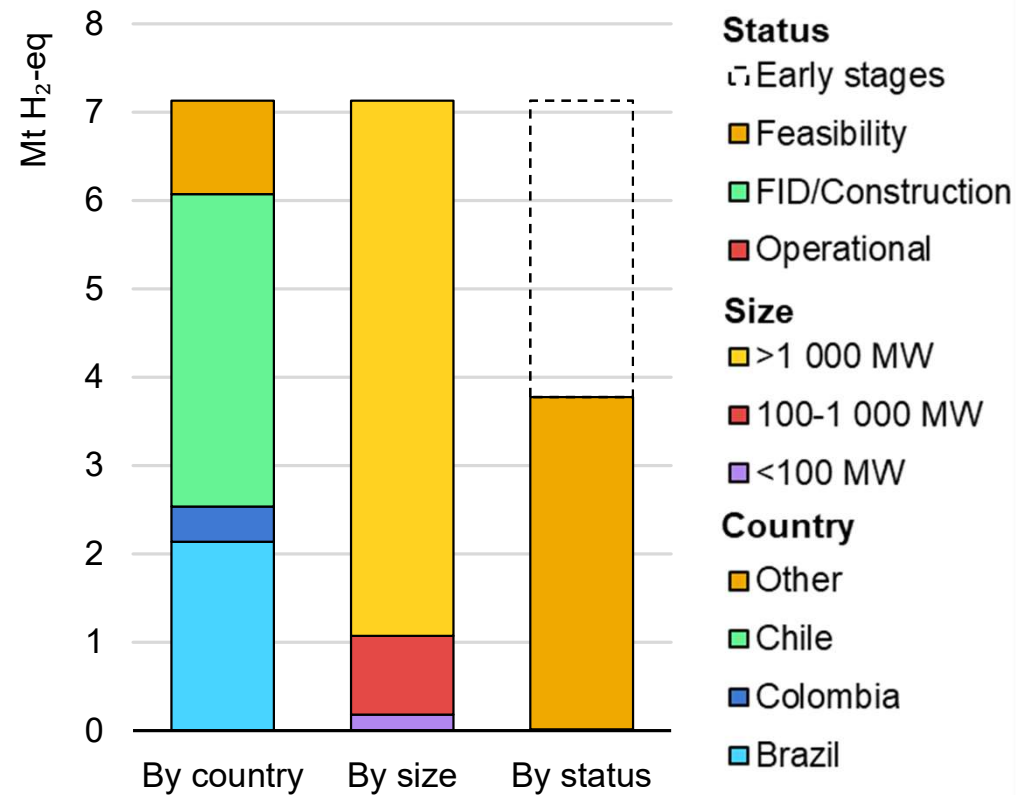


Hydrogen - an opportunity for Latin America in the new energy economy

Announced hydrogen projects and existing electric infrastructure in Latin America and the Caribbean



Announced projects for low-emissions hydrogen production in Latin America and the Caribbean, 2030



If all announced electrolytic hydrogen production projects materialise, LAC would account for 20% of global production by 2030, with over 85% of projects in the gigawatt scale.

Hydrogen opportunities and challenges in Latin America

Opportunities

- Massive renewable resources
- Large projects pipeline
- Domestic demands
- Vast export potential

Challenges

- High cost of capital
- Infrastructure deployment
- Policy implementation
- Global market creation

1. Accelerate **demand creation** for low-emissions hydrogen, leveraging industrial hubs and public procurement
2. **Support project developers** to scale up low-emissions hydrogen production and drive cost reductions
3. Strengthen **regulation and certification** of environmental attributes for low-emissions hydrogen
4. Identify opportunities to start **developing hydrogen infrastructure**
5. Support **emerging markets and developing economies** in expanding low-emissions hydrogen production and use

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