



THE FAST TRACK TO THE HYDROGEN ECONOMY

**EUROPEAN HYDROGEN
ENERGY CONFERENCE**





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U.S. Clean Hydrogen Strategy *Supplemental Discussion*

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Clean Hydrogen Production Tax Credit

- Final rule in process, after comment period (closed end of February)
- Uses **“lifecycle” greenhouse gas emissions**—from well to (production-plant) gate
- Three key characteristics for electrolytic hydrogen to qualify:
 - (i) Incremental (“additionality”) (ii) Deliverable (“regionality”) (iii) time-matched

Lifecycle GHG emissions rate (kgs of CO ₂ e per kg of clean H ₂)	Applicable percentage	Credit amount / if PWA met (per kg of clean H ₂ produced)
<0.45	100%	\$0.60 / \$3.00
0.45 to <1.5	33.4%	\$0.20 / \$1.00
1.5 to <2.5	25%	\$0.15 / \$0.75
2.5 to ≤4	20%	\$0.12 / \$0.60



Demand-Side Initiative

Challenge: A global issue, with planned production capacity outpacing demand

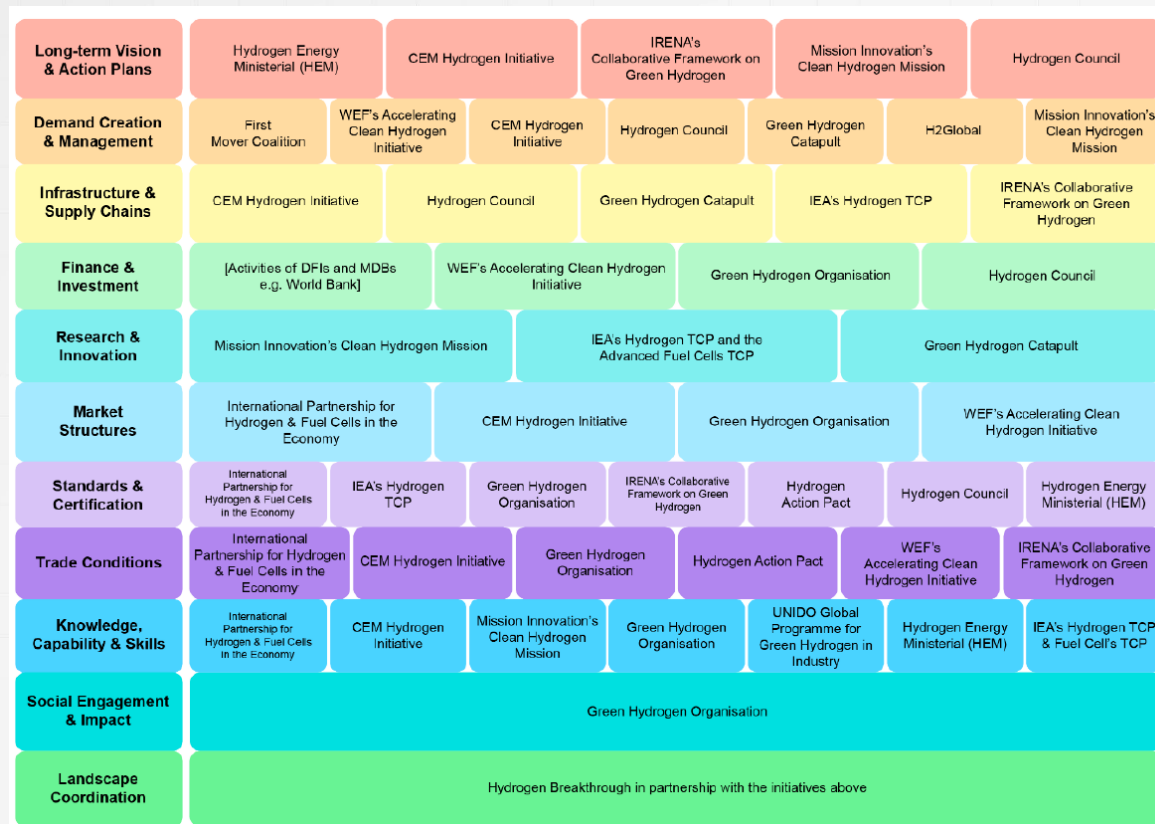
Goals:

- To design and implement demand-side support mechanisms for the H2 Hubs
- De-risk clean hydrogen projects by bridging the gap between:
 - *Producers*, who need long-term offtake certainty
 - *Buyers*, who often prefer to buy on short-term basis

Status: Consortium selected in January 2024 to implement the initiative



International Collaboration & Coordination on Clean Hydrogen



- **Breakthrough Agenda** coordinating actions across multiple sectors
- **H2 Breakthrough** → coordinating global H2 initiatives to focus on 5 priority actions*:
 - *Standards & Certification*
 - *Demand Creation*
 - *Research & Innovation*
 - *Finance & Investment*
 - *Landscape Coordination*
- **Successes Include:** facilitating declaration of intent on mutual recognition of clean hydrogen certification schemes, ISO technical spec for clean hydrogen, and others.

* For details: <https://breakthroughagenda.org/>



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Thank you!
Gracias!
Eskerrik Asko!