



International Partnership
for Hydrogen and Fuel Cells
in the Economy

3.4 Clean Hydrogen Mission Innovation

43rd IPHE Steering Committee Meeting

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Santiago, Chile

**Loreta Lancellotti, International Affairs Advisor,
Ministry of Energy, Chile**

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Clean Hydrogen Mission (1/2)

- The Clean Hydrogen Mission (CHM) was launched on 2 June 2021 during the 6th Mission Innovation Ministerial meeting in Chile.
- **6 Co-leads:** Australia, Chile, European Union, Spain, United Kingdom, United States.
- **14 CHM members:** Austria, Canada, China, Finland, Germany, India, Italy, Japan, Republic of Korea, Morocco, Norway, Netherlands, Saudi Arabia, Spain, United Arab Emirates.
- Partnerships with international organisations such as CEM H2, IPHE, IEA Hydrogen's TCP, UNIDO, CHP, ...



Clean Hydrogen Mission (2/2)

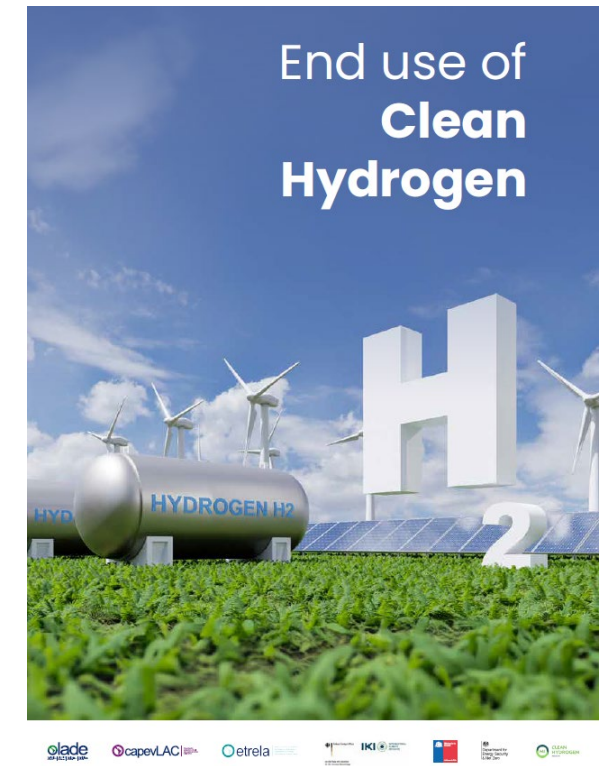
- CHM goal is as follows: “The **Clean Hydrogen Mission catalyses international collaboration in research and innovation for the development of a global clean hydrogen value chain.** By demonstrating commercially viable hydrogen technologies by 2030, we will **enable hydrogen to complement electrification and drive deep decarbonization in hard-to-abate sectors.**”
- CHM focuses its activities on **three pillars**: 1. Stimulating Research, Development and Innovation, 2. Integrating Production, Storage, Distribution and End-Use Applications in Hydrogen Valleys and 3. Preparing the Ground for the Scale-Up of the Hydrogen Economy.



Actions already implemented during 1st half 2025 (1/2)



- **CHM annual report 2024:** report highlighting main actions carried out by CHM members in 2024. The document drafted by UK has been reviewed by the co-leaders and was published on the CHM website on March 2025.
- **End-use workshop:** On the 27th of March 2025, the UK and Chile, co-leads of the Clean Hydrogen Mission, run a virtual event to spotlight research and development projects that have successfully driven progress and/or reduced costs for hydrogen end-use applications. More than 160 people took part in the event and a brochure featuring case studies is being produced.








Actions already implemented during 1st half 2025 (2/2)



- **Production working group:** Relaunch of the production working group by UK. Topics are member led, the group is currently producing a fact sheet on “Technoeconomic Challenges of Hydrogen Production from Renewables”.
- **Report on report “Advancing low-emissions hydrogen integration into emerging economies energy future”** in the frame of G20: It explores the rationale behind the development and implementation of national hydrogen strategies in developing countries, presents regional market trends and highlights the key opportunities and barriers for low-emissions hydrogen integration in emerging economies. The document is a joint publication by CHM and UNIDO



Action plan for 2nd half 2025

-  • **Chile:** Hosting of OLADE's 10th Energy Week from September 30 to October 3.
-  • **Australia:** Update of the report on patent data relating to fuel cell and H₂ technologies.
-  • **Spain:** Training in Spanish for EMDEs in LAC (6-7 online webinars/workshops) to take place from September to December 2025.
-  • **UK:** Factsheets on H₂ to power/power to H₂ (collaboration with Mission GPFM).
-  • **EU:** Together with IPHE, development of Landscape maps, 2025-26 Strategy and 2030 Roadmap for “H3 priority action - Research and Innovation” of Hydrogen Breakthrough.

Next steps



- **MI-10 in Busan in late August:** CHM will participate in side-events and sign a MoU with Hydrogen Europe Research.
- **CHM open to collaboration:** If you are thinking of implementing actions, particularly in the areas of “Hydrogen Valleys”, “Hydrogen skills” and “Industry engagement”, please contact us to explore possible collaboration opportunities.

CEM16-MI-10 co-located with APEC Energy Ministerial Meeting and World Climate Industry EXPO



Busan, Korea



Thank you



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