

CEM's HYDROGEN INITIATIVE (H2I)

OBJECTIVE

To raise international ambition and advance commercial scale low-carbon hydrogen deployment in the long-term globally, across all sectors .

RATIONALE

There is a need for long term plans, vision and goals in giving direction to hydrogen uptake and to enable effective planning and development of consistent policies.

AMBITION/TARGET

To build strategic partnerships to develop and facilitate global actions on clean hydrogen and fuel cell deployment across regional, national, and municipal economies.

ACTORS

Co-Leads:



Participants:

- Around 25 governments are part of the network.
- Hydrogen Council and individual companies part of the discussion
- Around 60 port association and authorities
- Coordination with other international H2 initiatives a priority.

ACTIONS

- Global aspirational goals
- Global Ports Hydrogen Coalition
- H2 Twin cities programme
- International hydrogen trade and supply-chains
- North-Western Europe hydrogen market coordination
- IEA Global Hydrogen Review tracking policies and markets

- Overpopulation of initiatives requires coordination -
- CEM H2I has been engaging in regular coordination meetings since its inception with:
 - Advanced Fuel Cells TCP
 - Breakthrough Agenda
 - G7 Hydrogen Action Pact
 - Hydrogen Council
 - Hydrogen TCP
 - IRENA
 - IPHE
 - MI – Clean Hydrogen Mission
 - United Nations Development Programme
 - UNIDO
 - WEF – Accelerating Clean Hydrogen Initiative
- **Priority:** to avoid duplication of activities. Examples:
 - Work on standards and certification directed to IPHE: workshop with Oman, report about H2 production emissions
 - Request from India about hydrogen hubs, directed to MI
 - Developed a joint questionnaire for country reporting with IPHE (aiming to involve MI in the future)
 - Close dialogue with the CEM Marine Hubs initiative to ensure complementarity with the H2I Ports Coalition
 - Proposal: joint webinars on national updates with MI, IPHE and Hydrogen TCP

- **WG1: ASPIRATIONAL GOALS** (Lead: EC)
 - Development of a government questionnaire and update it with the IPHE in 2023
 - Country surveys in 2021 (21 governments); 2022 (26 governments) and 2023 (29 governments)
 - Inputs to the GHR21, GHR22 and GHR23
- **WG2: PORTS COALITION** (Lead: EC)
 - Delivery of Call for Action at GCEAF
 - Input to IAHP's World Sustainable Database
 - Establishing a new Collaborative Framework in March 2023 (secretariat transferred to Ports)
 - Networking at various events
- **WG3: NW EUROPE** (Lead: Netherlands)
 - Report about hydrogen in NW Europe (2021) and NW Europe Hydrogen Monitor (2022)
 - Industrial workshop about hydrogen in NW Europe and project development
 - Matchmaking event in the World Hydrogen Summit between potential off-takers from NW Europe and potential international producers

- **WG4: GLOBAL HYDROGEN TRADE FORUM** (Lead: Netherlands)
 - Workshop about hydrogen trade models and special focus in the GHR22
 - Launched of the International Hydrogen Trade Forum at CEM14 (India)
 - Ministerial-CEO Roundtables at CEM14 (India)
- **WG5: H2 TWIN CITIES** (Lead: US)
 - Announcement in 2021, first city pairings in 2022 (US-Japan; and Japan-UK teams)
 - Launched of 2023 competition with a focus on Mentor-Mentee partnerships
- **COORDINATOR** (IEA)
 - Global Hydrogen Review 2021
 - Global Hydrogen Review 2022
 - Global Hydrogen Review 2023

- **WG1: ASPIRATIONAL GOALS** (Lead: EC)
 - Discussed with IPHE potential content to be uploaded in its website
 - Preparation of the survey for 2024
 - Upcoming: starting discussion for a demand creation campaign
- **WG2: PORTS COALITION** (Lead: EC)
 - Preparations of an event at the World Hydrogen Summit in Rotterdam (May)
 - Continued discussions with the H2I International Hydrogen Trade Forum and CEM Marine Hubs to align activities
- **WG3: NW EUROPE** (Lead: Netherlands)
 - Development of the second version of the NW Europe Monitor report
 - Upcoming: launch of the Monitor (March/April)

- **WG4: INTERNATIONAL HYDROGEN TRADE FORUM** (Lead: Netherlands)
 - Ministerial-CEO Roundtable and Launch of a Public-Private Action Statement on cross-border trade corridors in partnership with the Hydrogen Council, at COP28 (UAE)
 - New members: Morocco
 - Upcoming: study on hydrogen corridors and Ministerial-CEO Roundtable at the World Hydrogen Summit (Rotterdam)
- **WG5: H2 TWIN CITIES** (Lead: US)
 - Finish the evaluation of the 2023 competition
 - Upcoming: announcement of the selected pairings of the 2023 competition and assessment of a potential third round during 2024
- **COORDINATOR** (IEA)
 - Coordination (along with RMI) of the Breakthrough Agenda priority action on Demand Creation