International Partnership for Hydrogen and Fuel Cells in the Economy (IPHE)

Fostering Collaboration and Coordination in Hydrogen and Fuel Cells Globally

About IPHE

The International Partnership for Hydrogen and Fuel Cells in the Economy (IPHE), established in 2003, brings together governments to advance worldwide progress in hydrogen and fuel cell technologies.

19 Member Countries and the European Commission

Source: IPHE member updates, 2019

IPHE Members Have Deployed Over

1/3 Million Stationary Fuel Cells

1 GW of Fuel Cell Power

15,000 Fuel Cell Electric Vehicles

400 Fueling Stations

How is IPHE Making a Difference?

- **Provided input, coordinated feedback from countries, and tracked progress** on hydrogen policies, initiatives and ministerial-level commitments including the Global Action Agenda.
- **Developed a priority matrix and scoping papers in key areas** to identify challenges and opportunities for government RD&D programs, including a matrix to help harmonize regulations, codes and standards.
- **Convened workshops, forums and events** on various topics including policies, research and initiatives that can accelerate progress in H2 and fuel cells across applications and sectors. Recent examples include the "IPHE International Hydrogen Economy Forum" in Seoul, and the "IPHE Industry & Policy Forum: Increasing the Role of HFC in the Economy" in Vienna.

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Aspirational Goal for Hydrogen and Fuel Cells in the Global Action Agenda

10 Million Mobility Systems
10 Thousand Refueling Stations
Within 10 Years

- **Instituted recognition awards and competitions** to promote awareness and foster interest in students and the next generation entering the workforce.
- **Developed country-specific profiles on hydrogen and fuel cell programs**, deployments, funding, and activities, and mobilized member country resources by raising awareness on the potential for hydrogen and fuel cells.
- **Convened emerging global hydrogen and fuel cell partnerships and documented roles and focus areas to leverage activities and reduce duplication**. Examples of these partnerships include the Clean Energy Ministerial, Mission Innovation, Hydrogen Energy Ministerial, International Energy Agency, and the Hydrogen Council.
- **Elevated public awareness of first of a kind hydrogen technologies** including hydrogen for rail, marine, steel production, energy storage, and other cross sector applications.
- **Developed informational resources (webinars, factsheets and videos) as well as country-specific profiles on hydrogen and fuel cell programs**, deployments, funding, and activities.
- **Fostered the development of databases and information sharing platforms** on hydrogen safety, including HIAD, H2Tools, ICHS, HySafe, Hydrogen Safety Panels, and the new global Center for Hydrogen Safety (CHS).

What is IPHE currently working on?

- Developing a compendium of relevant hydrogen safety codes and standards
- Establishing a methodology to quantify emissions from hydrogen production to facilitate international trade
- Tracking progress from IPHE members on Global Action Agenda commitments
- Fostering technology interest and understanding through outreach initiatives including:
  - A student/postdoc fellowship program
  - A student infographic challenge

What can You Do to Help?

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Global Action Agenda

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