

IPHE Goal

Efficiently organize and coordinate multinational research, development and deployment programs that advance the transition to a global hydrogen economy.

California Fuel Cell Partnership

...a collaboration of auto companies, fuel providers, fuel cell technology companies, and government agencies that is placing fuel cell electric vehicles on the road in California









IPHE Ministerial

The IPHE Ministerial was held November 19-21, 2003 in Washington DC, USA.

- Signing of the Terms of Reference
- 700+ delegates and participants representing approximately 30 countries
- Public-Private Dialogue Sessions
- > IPHE Committee meetings
 - Steering Committee
 - Implementation-Liaison Committee

IPHE Partners





Federation



USA







Iceland





Japan



Republic of Korea



China



India



- Over \$35 Trillion in GDP, 85% of world GDP
- Nearly 3.5 billion people
- Over 75% of electricity used worldwide;
- > 2/3 of CO₂ emissions and energy consumption





France



Germany



Italy





Australia



Brazil



Norway

European Commission



New Zealand





Steering Committee

- Recent Meetings:
 - Paris, France (January 2005)
 - Beijing, China (May 2005)
- Initiated the Beijing Action Plan
 - Identify appropriate role for IPHE in Codes and Standards work
 - Identify pathway forward for stakeholder participation
 - Develop IPHE communication and outreach package
 - Convene a meeting of the R&D managers on IPHE Partners
 - Compile an integrated IPHE hydrogen roadmap
 - Organize international conferences
- Next meetings:
 - ❖ Kyoto, Japan (14 15 September 2005);
 - Vancouver, Canada (March 2006).

Implementation-Liaison Committee

- Meetings in Germany, Iceland and Brazil
- > High Priority Activities
 - Hydrogen Production
 - Hydrogen Storage
 - Fuel Cells
 - Codes and Standards
 - Socio-economics
 - Developing National Hydrogen R&D Roadmaps
- Next Meetings
 - ❖ Shanghai, China (17 19 October 2005)
 - ❖ Lyon, France (18 19 June 2006)

Implementation-Liaison Committee

- Highlights from the 14 Point Reykjavik Action Plan:
 - Publication of Scoping Papers on High Priority Activities
 - Conduct International Conferences on High Priority Topics
 - World Atlas on Hydrogen and Fuel Cell Demonstration Projects
 - Development of IPHE Roadmap
 - Establish a Safety, Codes and Standards Task Force
 - Labeling IPHE Projects

IPHE Workshops

- Joint IEA-IPHE SOFC Fuel Cell Workshop May 14, 2005 Quebec City, Canada
- Joint IEA-IPHE PEM Fuel Cell Workshop June 1-3, 2005 Mol, Belgium
- ❖ IPHE International Conference on Hydrogen Storage -June 20-22, 2005 - Lucca, Italy
- IPHE Socio-Economic Task Force June 30, 2005
 Paris, France
- International Conference on Hydrogen Safety September 8-10, 2005 - Pisa, Italy
- Hydrogen from Renewable Energy Sources October 24 26, 2005 Seville, Spain

IPHE Projects

- IPHE Project Evaluation Team Established
- Project criteria:
 - Supported by more than one IPHE member;
 - All funding options are available;
 - National environmental, safety, and health concerns addressed; and
 - Project partners are willing to share non-proprietary project information with other IPHE Members.

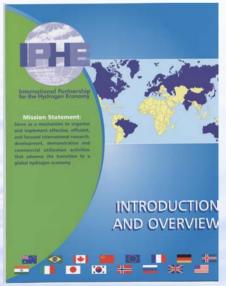
Proposal Application Process

- Project proposal is submitted to the IPHE Secretariat;
- ILC Evaluation Team reviews project proposal for compliance with criteria and recommends projects to the ILC;
- ILC submits approved projects to the IPHE Steering Committee for endorsement; and
- Project partners sign a "Partnership Agreement".

Recent IPHE Products

- Updated Website
- World Demonstration Atlas
- IPHE Brochure
- Hydrogen Fact Sheets
- Hydrogen Vision and Roadmap (with members)
- APEC Interim Hydrogen Framework
- IPHE Scoping Papers (5)
- IPHE Project and Events Guidelines
- Concept Paper on Stakeholder Involvement
- International Workshops





http://www.iphe.net

- Hydrogen Demonstration Project Atlas
 - Name of project; partners; project dates; type of fuel; and other project specifics; miscellaneous notes
 - Submission form for additional projects



Stakeholder Involvement

The IPHE website:

- Special section for stakeholders
- Opportunity for stakeholders to interact and exchange information with the IPHE and its members.

Individual Stakeholder Contact List:

- The Secretariat will maintain a list of stakeholders and organizations, including key contact information.
- The Secretariat will provide information on:
 - Conferences, Workshops, IPHE Committee updates, Reports and Newsletters, and general information.

Stakeholder Involvement

Liaison Group of Stakeholder Associations:

- The Secretariat will maintain a list of stakeholder associations that would be notified of IPHE meetings.
- Conduit for channeling ideas and viewpoints of the stakeholder community to the IPHE committees.

IPHE Ministerial, SC, and ILC Meetings:

 Sessions expressly intended to facilitate an exchange of views and ideas on issues of substance that would specifically include stakeholder participants.

Stakeholder Involvement

Process:

- 1. IPHE members recommend associations to the IPHE Secretariat from the geographic area that they represent.
- 2. Association is added to the IPHE website with a link to their association website.
 - Information disseminated from the Secretariat for their members;
 - Invited to be represented (one individual) at IPHE Steering Committee and Implementation-Liaison Committee meetings.

Contacts

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