

Hydrogen Energy Ministerial Meeting

H₂EM 2019

September, 2019

METI

- Hydrogen Energy Ministerial Meeting was held in October 2018, in Japan
- It was **a first Ministerial Meeting to discuss hydrogen as main agenda**
- **More than 300 people** including representatives from **21 countries, regions, international organizations**, etc participated in the meeting.
- We shared the view that **hydrogen can be a key contributor to the energy transitions** underway to clean energy future, confirming **the value of collaboration on the four pillars of “Tokyo Statement”** to achieve a “Hydrogen Society” .

Tokyo Statement

- Collaboration on Technologies and Coordination on **Harmonization of Regulation, Codes and Standards**
- Promotion Information Sharing, **International Joint Research and Development** emphasizing Hydrogen Safety and Infrastructure Supply Chain
- **Study and Evaluate Hydrogen’s Potential** across Sectors including its Potential for Reducing both CO₂ Emissions and Other Pollutants
- Communication, **Education and Outreach**



Growing momentum of hydrogen and fuel cells around the world

Netherlands : Plan for hydrogen power generation



Norway : Hydrogen supply project



Russia : Interest in Hydrogen Production



Canada : FC development



Germany : Hydrogen production, FC Train



France : FCV



China : FC bus



Japan : FCV, Hydrogen Supply Chain Project, Hydrogen Production



U. S. A : Lead R&D on hydrogen and FC



Korea : FCV



Brunei : Hydrogen Production. Hydrogen Supply Chain Project with Japan



Saudi - UAE : Interest in Hydrogen Production



Oman : Interest in Hydrogen Production



Australia : Hydrogen production from brown coal and renewable energy. Hydrogen Supply Chain project with Japan



NZ : Hydrogen production project



Argentina : Interest in Hydrogen production

In addition, numerous activities are being conducted by international organizations and initiatives such as IEA, IPHE, IRENA, MI, and CEM.

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- More than 600 people including representatives from 35 countries, regions, international organizations, etc participated in the meeting.
- The “Global Action Agenda ” was released as a principle to guide further actions for each country to realize “Tokyo Statement”.



Global Action Agenda



■ Mobility across Applications

- Sharing aspirational goals such as “10 million hydrogen powered systems” and “10 thousand Hydrogen Refueling Stations (HRS)” in 10 years (“Ten, Ten, Ten”)

■ Hydrogen Supply Chains

- R&D and Sharing Information
- Promote investment

■ Sector Integration

- Expand the use of hydrogen in various sectors

■ Study and Evaluation of Hydrogen’s Potential

- Further analysis and study by IEA, IRENA, ERIA

■ Communication, Education and Outreach

- Disseminate information, conduct campaign

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~ Industry and international organization session ~

- Deepen the discussion to implement “Global Action Agenda” with participation from industries, international organizations and governments.

Cross Cutting WS

IEA, IPHE, CEM, MI, ERIA, Hydrogen Council

Mobility WS



Supply Chain WS



Sector Integration WS



Global Alliance toward Hydrogen Society

