

Mission Innovation  
Clean Hydrogen Mission & Green Powered Future Mission Joint Workshop  
**“Advancing power and hydrogen synergies through technologies, policies,  
and global collaboration”**

February 4 (Wed.) – 5 (Thurs.), 2026

**Preliminary Program (time: CET)**

**Day 1 – February 4 (Wednesday)**

07:00–09:10 US (EST) / 12:00–14:10 UK (UTC) / 13:00–15:10 Europe (CET) / 17:30–19:40 India  
/ 20:00–22:10 China / 21:00–23:10 Japan / 23:00–01:10(+1) Australia (AEDT)

**Cutting-Edge Green Power × Hydrogen Technologies. Next-Generation  
Energy Systems Enabled by Renewable Energy and Hydrogen**

**13:00–13:05 Welcome Address by METI**

**WATANABE Hiroki**

Mission Innovation Steering Committee Member  
Director, International Affairs Office  
Innovation and Environment Policy Bureau  
**Ministry of Economy, Trade and Industry (METI), Japan**

**13:05–13:15 Opening remarks – MI CHM & GPFM Overview**

**VENTURI Piero**

Director, **Mission Innovation “Clean Hydrogen Mission”**  
**European Commission**

**MARTINI Luciano**

Director, **Mission Innovation “Green Powered Future Mission”**  
Director, Generation Technologies and Materials Department  
**Ricerca sul Sistema Energetico (RSE), Italy**

**13:15–13:30 Keynote Speech**

***Integrating High Shares of Renewables: The Role of Grid Flexibility,  
Hydrogen, and Digitalization for an Innovative Energy System***

**CONSTANINESCU Norela**

Deputy Director, Innovation and Technology Centre (IITC)  
**International Renewable Energy Agency (IRENA)**

**13:30–14:15 Insights on Technology Frontiers**

*Renewable Energy:*

***Advancing Renewable Energy Independence through Battery Storage and  
Aggregation***

**SHINGAI Hideki**

Marketing Executive, Energy Aggregation Division  
**Toshiba Energy Systems & Solutions, Japan**

***Photovoltaic Hydrogen Production for Integrated Energy System: Research  
and Demonstration***

**ZHAO Yong**

Associate Researcher  
**IEECAS, China**

## ***Impact of hydrogen ecosystem on the Power System***

**ILICETO Antonio**

Chair of Governing Board

**ETIP SNET, EU/ Italy**

*Hydrogen:*

### ***Green hydrogen production (P2H, electrolysis): current status and challenges***

**MITSUSHIMA Shigenori**

Professor, Department of Chemical and Energy Engineering

**Yokohama National University, Japan**

### ***Opportunities for electrolytic hydrogen: UK perspective***

**BALTA-OZKAN Nazmiye**

Professor and UK Director of the Global Hydrogen Production Technologies Center

**Cranfield University, UK**

**MANLOUK Mohamed**

Professor of Electrochemical Engineering

**Newcastle University, UK**

### ***Renewable H2 production technologies status in Europe***

**ATANASIU Mirela**

Head of Unit Operations & Communications

**Clean Hydrogen Partnership, EU**

**14:15-14:40 Panel Discussion #1: Unlocking the Potential of Renewable Energy: Grid Integration and Flexibility** – moderated by Luciano Martini, *Director, Green Powered Future Mission*

- ✧ Technical and operational challenges for large-scale renewable integration into grids
- ✧ Enhancing flexibility through distributed EMS and digital controls
- ✧ Long-duration energy storage (LDES), hybrid battery/hydrogen solutions for stable supply
- ✧ Barriers to social implementation (cost, infrastructure, regulation)
- ✧ Sharing success stories and lessons learned

**14:40-15:05 Panel Discussion #2: Hydrogen Innovations for Deep Decarbonization** – moderated by Piero Venturi, *Director, Clean Hydrogen Mission*

- ✧ Scaling up green hydrogen production (P2H), economic viability
- ✧ Bottlenecks in hydrogen storage and transport (metal hydrides, etc.)
- ✧ Fuel cells and hydrogen use for industrial sector decarbonization (steel, chemicals, transport)
- ✧ Integration with existing infrastructure, strategies to increase social acceptance
- ✧ Successful demonstration and industrial application cases, future outlook

**15:05-15:10 Closing of Day 1**

## Day 2 – February 5 (Thursday)

07:00–09:10 US (EST) / 12:00–14:10 UK (UTC) / 13:00–15:10 Europe (CET) / 17:30–19:40 India  
/ 20:00–22:10 China / 21:00–23:10 Japan / 23:00–01:10(+1) Australia (AEDT)

### Forefront of Policy and Standardization for Green Power and the Hydrogen Society

#### 13:00–13:30 Keynotes: Policy & Standardization for an Inclusive Energy Transition

##### *Hydrogen – Recent Trends and Linkages with Renewable Energy*

**REMME Uwe**

Head of Hydrogen and Alternative Fuels Unit

**International Energy Agency (IEA)**

##### *The importance of moving toward mutual recognition of hydrogen certification and the role of standardization*

**ANTONI Laurent**

Executive Director

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

#### 13:30–14:15 Insights on Policy, Regulation, and Standardization

*Policy:*

##### *Japan's Recent Policy Developments on Hydrogen*

**MIYAGAWA Yotaro**

Assistant Director, Hydrogen and Ammonia Division

Energy Efficiency and Renewable Energy Department

**Agency for Natural Resources and Energy, Japan**

##### *Renewables and Hydrogen: Joining Forces and Building Bridges*

**PULIDO Jesús**

Head of Area

**Ministry for Ecological Transition and the Demographic Challenge, Spain**

##### *Australia's National Hydrogen Strategy*

**SKINNER Breandán**

Assistant Director, Hydrogen and Industrial Futures Branch

**Department of Climate Change, Energy, the Environment and Water, Australia**

*Standardization:*

##### *JH2A's Standardization Activities Toward Hydrogen Society*

**MAEDA Seiji**

Chair of Regulatory Committee

**Japan Hydrogen Association (JH2A), Japan**

##### *Green Hydrogen in Chile: Regulation, Certification, and International Alignment*

**DUEÑAS Daniela**

International Relations Coordinator

**Ministry of Energy, Chile**

## ***Role of IEC TC 57 standards in the energy transition***

**DONDOSSOLA Giovanna**

Research Project Manager, Transmission and Distribution Technologies Department

**Ricerca sul Sistema Energetico – RSE S.p.A., Italy**

**14:15–14:40 Panel Discussion #1: Policy Innovation for International Collaboration and Just Transition** – moderated by Craig Fraser, *Green Powered Future Mission Lead, Science and Innovation for Climate and Energy, Department for Energy Security and Net-Zero, UK Government*

- ✧ Designing adaptive and inclusive policy frameworks for rapid deployment
- ✧ Mechanisms for international collaboration (joint projects, knowledge sharing, climate finance)
- ✧ Addressing financial, regulatory, and social acceptance barriers
- ✧ Strategies for just transition, workforce development, and stakeholder engagement
- ✧ Sharing best practices, challenges, and lessons learned

**14:40–15:05 Panel Discussion #2: Standardization as a Driver for Global Market Integration** – moderated by Suzi Pugh, *Policy Lead, Low Carbon Hydrogen Standard, Department for Energy Security and Net-Zero, UK Government*

- ✧ The role of harmonized standards in enabling cross-border and cross-sector integration
- ✧ Overcoming technical, legal, and administrative barriers
- ✧ Promoting trust and transparency through certification and data-sharing
- ✧ Standardization for emerging technologies (Power-to-Hydrogen, ammonia, LDES, etc.)
- ✧ Experiences from international and regional standard-setting bodies

**15:05–15:10 Wrap Up and Closing Remarks by Piero Venturi and Luciano Martini**

Registration: <https://form.jotform.com/253301661977461>

Registration close: February 3, 2026 (JST)

**(Recording is available for a limited period upon registration)**



Language: English  
(Japanese translation is available for live streaming. The recording is in English only)

Platform: WebEx

Host: Ministry of Economy, Trade and Industry (METI), Japan

Contact: For inquiries on registration, Sato: [jumsato@tohmatu.co.jp](mailto:jumsato@tohmatu.co.jp),  
Saito: [info.mi-tokyo@f-gbp.jp](mailto:info.mi-tokyo@f-gbp.jp)