



# INTERNATIONAL PARTNERSHIP FOR HYDROGEN AND FUEL CELLS IN THE ECONOMY

---

## IPHE Workshop: Toward a Clean and Sustainable Hydrogen Supply Chain

Wednesday, May 9, 2018

Koriyama City, Fukushima Prefecture

### AGENDA

Simultaneous translation is available (English and Japanese)

**When:** Afternoon of Wednesday May 9 (Travel to Koriyama City in the morning)

**Where:** Koriyama View Hotel Annex, Koriyama City, Fukushima Prefecture

**Focus:** There are significant opportunities for IPHE Member Countries to collaborate in Power-to-Gas with Japanese stakeholders. Fukushima Renewable Energy Institute (FREA) has extensive Research, Development, and Demonstration activities in CO<sub>2</sub> free hydrogen technologies.

**Expected Outcome:**

- Clean, sustainably produced hydrogen is a key component in the world economy to meet environmental objectives.
- Learn about the latest developments and challenges in the generation of clean hydrogen in Japan. The discussions will highlight the “Establishment of CO<sub>2</sub>-Free Hydrogen Supply Chains,” defined as Phase 3 in Japan’s *Strategic Roadmap for Hydrogen and Fuel Cells*.

---

**13:30 Registration**

**14:00 Welcome Address by the IPHE**

Tim KARLSSON, IPHE Executive Director

**14:10 Welcome Address**

Yoshiteru SATO, Executive Director, New Energy and Industrial Technology Development Organization (NEDO)

Akiyoshi HASHIMOTO, Director General, Commerce Industry, Labour Dept., Fukushima Prefecture



## INTERNATIONAL PARTNERSHIP FOR HYDROGEN AND FUEL CELLS IN THE ECONOMY

---

### **14:20 Approaches & Actions to Increase the Use of Clean Hydrogen (15 min/presentation)**

Leading jurisdictions are actively exploring and evaluating initiatives and approaches to produce and use clean hydrogen. This includes the use of renewable energy sources to generate hydrogen, the production of hydrogen as a bi-product, or from carbon-based energy sources with carbon capture and storage. Speakers will present the latest developments, and, identify challenges and next steps to reaching this objective.

- **United States: “U.S. Hydrogen and Fuel Cells Overview”**  
Jay KELLER, Consultant to Fuel Cell Technologies Office, Dept. of Energy, United States
- **France: “Renewable Energy, a Trigger for Hydrogen in the Economy ”**  
Bernard FROIS, Senior Scientific Advisor, CEA, France
- **Germany: “Role of Renewable Energy and Hydrogen in the Economy”**  
Lucia SEISSLER, International Cooperation Division, National Organization Hydrogen and Fuel Cell Technology (NOW), Germany
- **European Commission: “Renewable Energy and Clean Hydrogen, Status and Next Steps”**  
Katarzyna DRABICKA, Research & Innovation, European Commission

### **15:20 Activities in the Fukushima Prefecture (15 min/presentation)**

- **The Fukushima Renewable Energy Institute (FREA) “FREA’s R&D Activities on CO2-Free Hydrogen”**  
Hirohide FURUTANI, Director, the Renewable Energy Research Center, FREA
- **New Energy and Industrial Technology Development Organization (NEDO) “Power-to-Gas Demonstration in Fukushima”**  
Daishu HARA, Director, Fuel Cell and Hydrogen Technology Group, New Energy Technology Department, NEDO

### **15:50 Concluding Remarks**

Hirohide FURUTANI, Director, the Renewable Energy Research Center, FREA

### **16:00 Close of the Workshop**