

Mission Innovation Clean Hydrogen Mission Workshop Policy and Technology on Hydrogen Carriers

March 4 (Mon) – 5 (Tue), 2024

Kobe, Japan

Day 1: EST 20:30-1-3:00 / CLST 22:30-1-5:00 / GMT 1:30-8:00 / CET 2:30-9:00 / JST 10:30-17:00 / AEDT 12:30-19:00

Day 2: EST 23:00-1-3:30 / CLST 1:00-1-5:30 / GMT 4:00-8:30 / CET 5:00-9:30 / JST 13:00-17:30 / AEDT 15:00-19:30

Program

The workshop focuses on policy, technology, and future international cooperation on hydrogen carriers (liquefied hydrogen, LOHC, and ammonia) toward a large-scale deployment of hydrogen. The workshop deals with both international supply chains and domestic supply chains. We also discuss the infrastructure transformation, social acceptance, and safety aspects of hydrogen.

Day 1

10:30-11:00 Welcome

Welcome from the Host

Koichi INOUE

Mission Innovation Steering Committee Member

Director, International Affairs Office, Industrial Science and Technology Policy and Environmental Bureau,

Ministry of Economy, Trade and Industry (Japan)

Welcome from Mission Innovation Clean Hydrogen Mission

Gijs BERENDS

First Counsellor, Head of Science, Innovation,

Digital, and other EU Policies Section,

Delegation of the **European Union of Japan (EU)**

11:00-11:40 Keynotes

IEA H2 TCP

Paul LUCHESE

Chair, hydrogen Technology Collaboration Programme,

International Energy Agency (IEA) - Hydrogen Technology Collaboration Programme

UNIDO

Petra SCHWAGER

Chief, Climate and Technology Partnership,

United Nations Industrial Development Organization (UNIDO)

11:40-12:40 Lunch Break

12:40-14:00 Session 1: Hydrogen Trade Policy of Leading Countries

Australia

Jocelyn TAYLOR <online>

Manager, CCUS & H2 Collaborations,

Department of Climate Change, Energy, the Environment and Water

Canada

Alexandre CATT

Deputy Director, International Trade Policy,

Natural Resources Canada

Chile

Karla Chace FUENZALIDA

Head of the Hydrocarbons Unit, Fuels and New Energies Division,

Ministry of Energy

Germany

Franz LEHNER

Head of Division International Cooperation,

National Organization Hydrogen and Fuel Cell Technology (NOW)

14:00-14:20 Coffee Break

14:20-15:40 Japan

Ryosaku TAKAHARA

Assistant Director, Hydrogen and ammonia Division,
Agency for Natural Resources and Energy (ANRE),
Ministry of Economy, Trade and Industry (METI)

The Netherlands

Clair Hooft GRAAFLAND

Senior Advisor Energy,
Netherlands Enterprise Agency (RVO)

Saudi Arabia

Sami Al SAADAN <online>

Clean Hydrogen Department Director,
Ministry of Energy

USA

Benjamin D. GOULD <online>

Technology Manager, Hydrogen & Fuel Cell Technologies Office,
US Department of Energy (DOE)

15:40-17:00 Session 2: R&D on Hydrogen Carriers and International Cooperation

Japan

Eiji OHIRA

Strategy Architect, Fuel Cell and Hydrogen Technology Office,
New Energy and Industrial Technology Development Organization (NEDO)

Norway

Svein GRANDUM

Counsellor, Head of Trade and Technology Office,
Norwegian Embassy

USA

Abhi J KARKAMKAR

Hydrogen and Fuel Cell Technology Office,
US Department of Energy (DOE)

Europe

Mirela ATANASIU <online>

Executive Director ad interim,
Clean Hydrogen Partnership

17:00-18:00 Networking (for onsite participants)

Day 2

13:00-15:00 Session 3: Hydrogen Carriers for International Transport

Hydrogen carrier - Liquid Hydrogen

Kei NOMURA

Deputy General Manager, Hydrogen Strategy Division,
Kawasaki Heavy Industries (Japan)

Baptiste PAGES

Solution Development Manager (Energy Transition, Cryo Technologies) APAC,
Air Liquide E&C Global Solutions (France/Japan)

Hydrogen carrier - LOHC

Yoshimi OKADA

Fellow, Frontier Business Division,
Chiyoda Corporation (Japan)

Daniel TEICHMANN

CEO,
Hydrogenious LOHC Technologies (Germany)

Hydrogen carrier - Ammonia

Isao Watanabe

General Manager, Carbon Power Solutions Unit,
Integrated Wind & Carbon Power Solutions,
Mitsui O.S.K. Lines, Ltd. (Japan)

Zhiping ZHANG

Director, Technology Transfer and Strategic Licensing,
Amogy, Inc (USA)

15:00-15:20 Coffee Break

15:20-16:40 Session 4: Hydrogen Carriers for Domestic Supply Chain

Satoru OTATSUME

Deputy General Manager,
ENEOS Corporation (Japan)

Gregory Richard CALDWELL

Director - Utility Hydrogen Strategy,
ATCO Energy Systems (Canada)

Lars SCHAUMANN

General Manager Business Development Japan,
VOPAK (Netherlands)

Jeffrey POLLACK <online>

Chief Strategy and Sustainability Officer,
Port of Corpus Christi (USA)

16:40-17:20 Session 5: Social Issues / Safety

Social Issue

Ivette Vera PEREZ

President and CEO,
Canadian Hydrogen FC Association (Canada)

Sensors

John MOZLEY

Operations Support Group, Overseas Strategy Department, Overseas Division,
New Cosmos (Japan)

17:20-17:30 Closing

Koichi INOUE

Mission Innovation Steering Committee Member
Director, International Affairs Office, Industrial Science and Technology Policy and Environmental Bureau,
Ministry of Economy, Trade and Industry (Japan)

17:30-18:30 Networking (for onsite participants)

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

Registration: <https://forms.office.com/r/6jaejYJzb>
Registration close: March 1, 2024, in each time zone (Recording is available for a limited period upon registration)

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

Platform: WebEx

Contact: For questions on the webinar program: Technova Inc. technova-sympo@technova.co.jp
For questions on registration and webinar platform: Inter Group Corp. secretariat_2@ig-online.jp