



## AGENDA

### NEDO-CDTI Joint Workshop on Technologies for Hydrogen Valley

January 24(Tue), 2023

(as of 2023 01 11)

**Venue: KOFU Kinenbi Hotel**

#### Opening Session

09:00 – 09:15 (JST): **Opening Remarks**

Mr. Hiroaki ISHIZUKA, Chairman of NEDO

His excellency, Mr. Fidel SENDAGORTA, Ambassador of Spain to Japan

Mr. Javier PONCE, Director General of CDTI

09:15 - 09:45 (JST): **Keynote speech**

Overview of Hydrogen R&D and Hydrogen Valleys in Japan and Spain

Mr. Eiji OHIRA, Strategic Architect, Fuel Cell and Hydrogen Technology Office of NEDO

Dr. Javier BREY, Chairman of the Spanish Hydrogen Association

#### Technical Session 1

09:45 – 10:00 (JST): **Japanese challenges 1**

Title: Starting GX (Green Transformation!!)

Starting a hydrogen energy society in Yamanashi Prefecture

Mr. Masaki SAKAMOTO, Sub Chief, New Energy System Promotion Division,

Yamanashi Pref. Public Government Enterprise Bureau & Director,

Social implementation Division, Yamanashi Hydrogen Company, Inc.

10:00 – 10:15 (JST): **Spanish challenges 1**

Title: Towards techno-economic feasibility of hydrogen's value chain: Quantum

Hydrogen Project

Mr. Miguel MUÑOZ, Technical Responsible, Renewable Hydrogen Projects,

CAPITAL ENERGY S.L.

10:15 – 10:30 (JST): **Japanese challenges 2**



Title: Toray's Initiatives for the Realization of a Hydrogen Society - Development of P2G system technology in Yamanashi Prefecture

Dr. Daisuke IZUHARA, General Manager, HS Business Division, TORAY Industries, Inc. & Director, Technology Development Division, Yamanashi Hydrogen Company, Inc.

10:30 – 10:45 (JST): **Spanish challenges 2**

Title: Storage transport and distribution of Offshore Green H2

Mr. Bernardino COUÑAGO, Managing Director, BLUENEWABLES S.L.

10:45 – 11:00 (JST): **Japanese challenges 3**

Title: Electrification and Hydrogenation to Achieve Carbon Neutrality

Mr. Takashi YATABE, Producer, Engineering Management Office, Engineering Strategy Unit, Tokyo Electric Power Company Holdings, Inc.

11:00 – 11:15 (JST): **Spanish challenges 3**

Title: UNDERGY (UNDERground Energy): Underground Storage of Green Hydrogen in a depleted field

Ms. Cristina YUSTE, Project Development Manager, Project Development Manager, Trinity Capital S.L.U.

11:15 – 11:30 (JST): **Japanese challenges 4**

Title: Development of large scale PEM type Water Electrolyzer for Power to Gas

Dr. Koichi IZUMIYA, Group Leader, PtG Technology Development Section, Project Department, Electrolysis & PtG Business Unit, Carbon Neutral Solution Business Headquarters, Hitachi Zosen Corporation

11:30 – 11:45 (JST): **Spanish challenges 4**

Title: Challenges and opportunities of renewable hydrogen projects in a sustainable water cycle

Mr. Víctor MONNSALVO, Head of Eco-efficiency Area, Innovation and Technology Department, FCC AQUALIA S.A.

11:45 – 11:55 (JST): **Q&A**



11:55 – 13:20 (JST) **Networking Lunch**

13:20 – 13:30 (JST) **Presentation of Japan Spain Innovation Program**

Mr. Yasuhisa KATO, International Affairs Div., NEDO

Ms. Maria Merced PEREZ, International Affairs Div., CDTI

## **Technical Session 2**

13:30 – 13:45 (JST): **Japanese challenges 5**

Title: Carbon-Neutral and Hydrogen-fired Boiler

Mr. Masanori TAKEMOTO, Deputy General Manager, Hydrogen & FC system Promotion Section, MIURA CO., LTD.

13:45 – 14:00 (JST): **Spanish challenges 5**

Title: Qualification of Valves for Liquid Hydrogen Application

Mr. Adrián JAIME, Manager, Business Development & Product, RINGO VALVULAS S.L.

14:00 – 14:15 (JST): **Japanese challenges 6**

Title: Providing high value-added hydrogen at high pressure and humidity by taking advantage of our high technological capabilities related to hydrogen compressors

Mr. Yasutaka NAKATANI, GENERAL MANAGER, ENGINEERING DEPARTMENT, KAJI TECHNOLOGY CORPORATION

14:15 – 14:30 (JST): **Spanish challenges 6**

Title: High Pressure Compression System for Hydrogen Society - Solution by ABC Compressors

Mr. Carlos MARTÍN, CEO, ARIZAGA BASTARRICA Y CIA, S.A.

14:30 – 14:45 (JST): **Japanese challenges 7**

Title: Development of hydrogen roasting machine for realization of hydrogen society

Mr. Yuichi KIMURA, Manager, Production of Division, UCC UESHIMA COFFEE CO., LTD.

14:45 – 15:00 (JST): **Spanish challenges 7**



Title: Current developments in condensing boilers in the European Union in the field of H<sub>2</sub>-based combustion. Challenges and difficulties

Mr. Marco BORONAT, Innovative products & Commercial Manager, Combustion & Fibre Solutions, ORKLI SOCIEDAD COOPERATIVA

15:00 – 15:15 (JST): **Japanese challenges 8**

Title: Overall domestic hydrogen supply system

Mr. Toshifumi KON, GROUP LEADER, HYDROGEN & ENVIROMENT BUSINESS PROMOTION SECTION TECHNICAL DIV. HYDROGEN ENERGY ADVANCE DEPARTMENT, TOMOE SHOKAI CO., LTD.

15:15 – 15:30 (JST): **Spanish challenges 8**

Title: Spanish Hydrogen distribution network opportunities: blending and pure H<sub>2</sub> pipelines

Mr. Carlos MERINO, Technical Director, NATIONAL HYDROGEN AND FUEL CELL TECHNOLOGY TESTING CENTRE (CNH<sub>2</sub>)

15:30 – 15:45 (JST): **Japanese challenges 9**

Title: Recent Progress in Research and Development on Hydrogen and Fuel Cells at the University of Yamanashi

Dr. Akihiro IIYAMA, Project Professor, Director, Hydrogen and Fuel Cell Nanomaterials Center, University of Yamanashi,

15:45 – 15:55 (JST): **Q&A**

15:55 – 16:00 (JST): **Closing remarks**

Mr. Takashi WADA, Executive Director, NEDO

17:00 – 18:30 (JST): **Japanese – Spanish Business Matching**