

## AGENDA

### CDTI-NEDO online Joint Workshop on Hydrogen Technology

November 17 - 18, 2021

**PART 1: November 17 08:00 - 11:00 (Spain Peninsula Time), 16:00 – 19:00 (Japan Standard Time)**

**Venue: CDTI Webinar Platform (link: [https://eventos.cdti.es/EN/CDTI-NEDO\\_WS\\_2021\\_Hydrogen](https://eventos.cdti.es/EN/CDTI-NEDO_WS_2021_Hydrogen))**

07:55 (SPT), 15:55 (JST): Start of the web streaming

Master of Ceremony: Ms. Merced PÉREZ, National Manager of JSIP, CDTI

#### **Opening Session**

08:00 - 08:10 (SPT): **Opening Remarks**

16:00 - 16:10 (JST):

Mr. Javier PONCE, Director General of CDTI

Mr. Hiroaki ISHIZUKA, Chairman of NEDO

08:10 - 08:55 (SPT): **Keynote speech**

16:10 - 16:55 (JST):

#### **Overview on Hydrogen and FCV R&D in Spain and Japan – Industrial and governmental policy overview**

Dr. Javier BREY, Chairman of the Spanish Hydrogen Association

Mr. Eiji OHIRA, Director General Fuel Cell and Hydrogen Technology Office of NEDO

Mr. Hiroshi FUKUSHIMA, Chairman of Planning and Operation Committee Japan Hydrogen Association

#### **Technical Session 1**

##### **Green Hydrogen Production Technology (hydrogen production from renewable energy)**

08:55 - 09:10 (SPT): **Spanish challenges**

16:55 - 17:10 (JST):

Title: “OCEANH2: Generation, Storage and Distribution of Offshore Green Hydrogen”

Mr. José F. GALLEGO, Innovation Manager, ACCIONA

09:10 - 09:25 (SPT): **Japanese challenges**

17:10 - 17:25 (JST):

Title: “Asahi Kasei’s Activities for Green Hydrogen Production”

Mr. Yasuhiro FUJITA, Deputy General Manager Clean Energy Project, Technology Policy Center, Corporate Research & Development ASAHI KASEI Corp.

09:25 - 09:40 (SPT): **Spanish challenges**

17:25 - 19:40 (JST):

Title: "SUN2HY Project: From Sunlight to Green Hydrogen"

Ms. Mónica SÁNCHEZ, Hydrogen Coordinator, Renewable Gases Division, ENAGÁS

09:40 - 09:50 (SPT): **Break**

17:40 - 17:50 (JST):

09:50 - 10:05 (SPT): **Japanese challenges**

17:50 - 18:05 (JST):

Title: "Developments of PEM Type Water Electrolysis System for Power to Gas"

Mr. Tetsuya YOSHIDA, Power to Gas Business Promotion Office, R&D Headquarters, HITACHI ZOSEN Corp.

10:05 - 10:20 (SPT): **Spanish challenges**

18:05 - 18:20 (JST):

Title: "Renewable Hydrogen Production for Mobility. Cost reduction challenges"

Ms. Covadonga GARCIA, Bid and Proposal Manager, H2B2 ELECTROLYSIS TECHNOLOGIES

10:20 - 10:35 (SPT): **Japanese challenges**

18:20 - 18:35 (JST):

Title: "Development of Solid Oxide Electrolysis Cell System at TOSHIBA"

Dr. Norikazu OSADA, Expert Carbon Capture and Recycle Technology Group Chemical Engineering R&D Department Energy System Research & Development Center, TOSHIBA ENERGY SYSTEMS & SOLUTIONS Corp.

10:35 - 10:50 (SPT): **Spanish challenges**

18:35 - 18:50 (JST):

Title: "R&D Priorities in Hydrogen Technologies and Singular Projects"

Dr. Marta MAROÑO, Coordinator of Hydrogen Technologies Strategic Research Area, CIEMAT

10:50 - 10:55 (SPT): **Closing remarks**

18:50 - 18:55 (JST):

Mr. Carlos de la Cruz Director of Evaluation & Technology Cooperation, CDTI

**PART 2: November 18 08:00 - 10:30 (Spain Peninsula Time), 16:00 – 18:30 (Japan Standard Time)**

**Venue: CDTI Webinar Platform (link: [https://eventos.cdti.es/EN/CDTI-NEDO\\_WS\\_2021\\_Hydrogen](https://eventos.cdti.es/EN/CDTI-NEDO_WS_2021_Hydrogen))**

07:55 (SPT), 15:55 (JST): Start of the web streaming

Master of Ceremony: Mr. Yasuhiko KATO, National Manager of JSIP, NEDO

### **Opening Session**

08:00 - 08:10 (SPT): **Overview of the Bilateral Program “Japan (NEDO) - Spain (CDTI) Innovation Program”, JSIP**

16:00 - 16:10 (JST):

Ms. Merced PÉREZ, National Manager of JSIP, CDTI

Mr. Yasuhiko KATO, National Manager of JSIP, NEDO

### **Technical Session 2**

#### **Hydrogen Use and Application Technology: Mobility**

##### **- FCV, FC-Bus, FC-Train, and Hydrogen Refueling Station**

08:10 - 08:25(SPT): **Japanese challenges**

16:10 - 16:25 (JST):

Title: “FC Development in Toyota”

Mr. Seiji SANO, Project General Manager Commercial ZEV Fundamental Development Div.

Toyota ZEV Factory, TOYOTA MOTOR Corp.

08:25 - 08:40 (SPT): **Spanish challenges**

16:25 - 16:40 (JST):

Title: “Vittal One Train”

Mr. Emilio GARCIA, Director of Innovation Department, TALGO

08:40 - 08:55 (SPT): **Japanese challenges**

16:40 - 16:55 (JST):

Title: “Creating Hydrogen + FC Mobility Utilization Model”

Mr. Ikuo INOUE, Group Leader, FC Mobility Promoting Group, Next Mobility Development

Department, TOYOTA TSUSHO Corp.

08:55 - 09:10 (SPT): **Spanish challenges**

16:55 - 17:10 (JST):

Title: “H2PORT: Implementing Fuel Cells and Hydrogen Technologies in Ports”

Ms. Cristina BALLESTER, Process Engineer at Open Innovation Unit, National Hydrogen Centre (CNH2)

09:10 - 09:20 (SPT): **Break**

17:10 - 17:20 (JST):

09:20 - 09:35 (SPT): **Japanese challenges**

17:20 - 17:35 (JST):

Title: "For H2 Society to Come. Building Global Supply Chain"

Mr. Ryuichi HIROTANI, General Manager, Hydrogen Refueling Station Construction Dept. IWATANI INTERNATIONAL Corp.

09:35 - 09:50 (SPT): **Spanish challenges**

17:35 - 17:50 (JST):

Title: "Shinefleet: Use of Hydrogen in Heavy Duty Vehicle Fleets"

Mr. Miguel Ángel VEGA, Business Development Manager, Heat Transfer Division, TÉCNICAS REUNIDAS

09:50 - 10:05 (SPT): **Japanese challenges**

17:50 - 18:05 (JST):

Title: "Technologies, Standards and Regulations for Hydrogen Refueling Station in Japan"

Mr. Tetsufumi IKEDA, Director General, Association of Hydrogen Supply and Utilization Technology

10:05 - 10:20 (SPT): **Spanish challenges**

18:05 - 18:20 (JST):

Title: "High-Pressure Hydrogen Compression Technology: Key to the New Energy Economy?"

Mr. Daniel BALLORCA, H2 Project Manager, HIPERBARIC

10:20 - 10:25(SPT): **Closing remarks**

18:20 - 18:25 (JST):

Mr. Yutaka Hirai, Director General for International Projects, NEDO