

## 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 & Strategic Architect, 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, Head Engineer, 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