

Mission Innovation
Green Powered Future Mission Workshop
Policy and Technology for Grid Flexibility and Stability

March 12 (Tue.) – 13 (Wed.), 2024

Day 1 – March 12 (Tuesday)

8:00–10:00 US (EDT) / 12:00–14:00 UK / 13:00–15:00 Europe (CET) / 17:30–19:30 India
/ 20:00–22:00 China / 21:00–23:00 Japan / 23:00–01:00(+1) Australia (AEDT)

Preliminary Program (time: CET)

13:00–13:03 Host's Welcome

Koichi INOUE

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

13:03–13:13 Opening Statement

Luciano MARTINI

Director, **Mission Innovation "Green Powered Future Mission"**
Director, Transmission and Distribution Technology Department
Ricerca sul Sistema Energetico (RSE), Italy

13:13–13:15 Meeting Protocol

Akiteru MARUTA – Moderator

13:15–13:45 Global View

What grid flexibility needs are for tripling renewable energy capacity?

Paolo FRANKL

Head of the Renewable Energy Division
International Energy Agency (IEA)

Tripling Renewables: Powering the Future with Grid Modernization Solutions for Reliability and Stability

Simon BENMARRAZE

Team Lead Technology and Infrastructure
International Renewable Energy Agency (IRENA)

13:45–15:00 Country Perspectives and Related Policy

Australia

Peta Olesen

Director, Net Zero Innovation
Department of Climate Change, Energy, the Environment and Water (DCCEEW), Australia

Brazil

Andressa SOARES DOS SANTOS

Energy Research Analyst
EPE, Brazil

China

Yongqiang ZHAO

Director
China National Renewable Energy Centre

Japan

Kotaro SASAKI

Deputy Director, Advanced Energy Systems and Structure Division
Agency for Natural Resources and Energy
Ministry of Economy, Trade and Industry (METI), Japan

Draft update of NECP 2023–2030: The challenge of electrification of final demand

Jesús PULIDO

Deputy Directorate-General for Energy Foresight, Strategy and Regulation

Ministry for the Ecological Transition and the Demographic Challenge, Spain

UK leadership in domestic Demand Side Response standardisation and grid flexibility innovation

Laura SCHADE

Senior Energy Engineer

Department for Energy Security and Net Zero, UK

15:00 End of Day 1

Day 2 – March 13 (Wednesday)

8:00–10:15 US (EDT) / 12:00–14:15 UK / 13:00–15:15 Europe (CET) / 17:30–19:45 India
/ 20:00–22:15 China / 21:00–23:15 Japan / 23:00–01:15(+1) Australia (AEDT)

Preliminary Program (time: CET)

13:00 Meeting Protocol

13:00–13:50 Technology Session 1: Electricity Storage

Lithium–Ion batteries for Energy Storage

Hong LI

Researcher, the Institute of Physics

Chinese Academic of Science

NaS battery

NGK (Japan) TBD

Redox flow battery

Sumitomo Electric Industries (Japan) TBD

Compressed air Energy Storage

Haisheng CHEN

Director, Researcher

Institute of Engineering Thermophysics, Chinese Academic of Science

13:50–14:40 Technology Session 2: Flexibility Sources and Solutions

Value chain mapping of Energy Storage technologies and solutions for flexibility in Spain

Luis Manuel SANTOS MORO

Director of Innovation

EDP, Spain

Dynamic Operating Envelopes: An Australian gateway to DER flexibility markets

Julio BRASLAVSKY

Principal Research Scientist

CSIRO, Australia

Nicola ROSSI

Head of Innovation

Enel Group, Italy

Speaker –tbc

Japan

**14:40-15:05 Technology Session 3: Grid Stability
(Inertia Management, Smart Inverters, Grid forming converters)**

Full-DC-link integration of VRE: A novel solution for improving grid stability

Yibo WANG

Researcher, **Institute of Electrical Engineering**

Chinese Academy of Sciences, China, Director of Innovation, China

Smart Inverter project

Yuka OGASAWARA

Project Manager, Chief Officer

Smart Community and Energy Systems Department

New Energy and Industrial Technology Development Organization (NEDO), Japan

15:05-15:15 Future Perspectives – GPFM

Luciano MARTINI

Director, **Mission Innovation “Green Powered Future Mission”**

Director, Transmission and Distribution Technology Department

Ricerca sul Sistema Energetico (RSE), Italy

15:15 Closing

Registration: <https://online-convention.webex.com/webappng/sites/online-convention/webinar/webinarSeries/register/7b61733f10f04f44b8c903a4f02eddf0>

Registration close: March 8 of 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

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

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

