

Power System Flexibility Expert Workshop



6th February 2020, Paris

Room 1, IEA, 9 Rue de la Fédération, 75015, Paris, France

8h30 *Registration and welcome coffee*

9h00 **Opening and Introduction**

Opening remarks

Co-lead country representatives and International Energy Agency

9h15 **Global perspectives on power system transformation**

This session will provide an overview of international best practices for power system flexibility. Ranging from current challenges as well as ongoing projects to identify and prepare for future system flexibility needs.

Session structure:

- **Pablo Carvajal**, IRENA, Global perspective on power system flexibility
- **Ernesto Huber**, Centro de Control de Energía, Chile: System operator's perspective on power system transformation
- **Norela Constantinescu**, ENTSO-E, Cyber-physical system for the energy transition
- **Thomas Spencer**, TERI, Modelling India's future flexibility requirements
- **Dr. Nuki Agya Utama**, ASEAN Centre for Energy, Power System transformation in South East Asia

Panel discussion: Long-term strategies for power system transformation

Moderated by Edwin Haesen, IEA

10h45 *Coffee break*

11h00 **Digitalisation and the energy transition**

This session will focus on technological improvements for power system transformation, ranging from advanced tools for faster, safer power system operation to data platforms for wider consumer engagement in flexibility services.

Session structure:

- **Andreas Ulbig**, Adaptricity, Digitalisation and the energy transition
- **Sankara Subramanian**, GE, DER Visibility for improved operations
- **Dirk Helbig**, Siemens, Digitalised and sustainable transmission products for flexible power systems

Panel discussion: Identifying the value for grid digitalisation

Moderated by Peerapat Vithayasrichareon, IEA

12h30

Lunch break

14h00 **Market design for demand-side flexibility**

This session will focus on regulation and rate design for demand-side flexibility, co-organised with the Swedish Energy Markets Inspectorate (Ei) and the Swedish Smart Grid Forum.

Session structure

- **Luigi Mazzocchi**, RSE, The Italian experience in unlocking demand-side flexibility
- **Henrike Sommer**, EPEX Spot, Regulatory hurdles for market-based flexibility deployment
- **Mike Hogan**, RAP, Cost-effectiveness of mobilising distributed flexibility
- **Yasuhiro Sakuma**, METI, Current electricity markets in Japan and DR

Panel discussion: Enabling cost-effective demand response

Co-moderated by Therése Hindman Persson, Chief Economist, Ei and **Enrique Gutierrez**, IEA

15h30 *Coffee break*

15h45 **System integration of EVs**

This session will be co-organised with the CEM's horizontal accelerator on electric mobility and system integration, building on inputs from ISGAN, 21CPP and EVI.

Session structure:

- **Cedric Leonard**, RTE, EV Integration Study
- **Filippo Gaddo**, Arup, Business models for EV grid integration
- **Andreas Jahn**, RAP on behalf of Agora Verkehrswende, Expansion of the distribution network for the energy transition
- **Bart Holthuisen**, NewMotion, EV flexibility for ancillary services

Panel discussion: Electric mobility and decentralised power system flexibility

Moderated by Marine Gerner, IEA

17h15 **Closing remarks and steps forward**

17h30 *End of the meeting followed by networking reception*