Power System Flexibility Expert Workshop

6th February 2020, Paris

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

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, Head of Unit SIR
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. • Andreas Ulbig, Adaptricity, Digitalisation and the energy transition • Bart Holthuizen, NewMotion, EV flexibility for ancillary services • Sankara Subramanian, GE, DER Visibility for improved operations

Session structure:
Panel discussion: Identifying the value for grid digitalisation
Moderated by Peerapat Vithayasrichareon, SIR

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 at Ei and Enrique Gutierrez (GCP/SIR)

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
- TBC, Siemens

Panel discussion: Electric mobility and decentralised power system flexibility
Moderated by Marine Gorner, Operating agent EVI, ETP

17h15 Closing remarks and steps forward

17h30 End of the meeting