

IEA SESSION

1. SIDE EVENT: SYSTEM INTEGRATION OF RENEWABLES (SIR)

Date & Time: Wednesday, 20th June 2018, 10:00-17:00

Room: (Attendance is by invitation only)

Organizer: International Energy Agency (IEA)

Language: English

Concept:

IEA organizes a special session, the theme is SYSTEM INTEGRATION OF RENEWABLES (SIR).

The side event will be structured around three sessions.

1. Japanese System Integration analysis
2. System operation and Advanced power plant flexibility
3. Demand response and electricity storage

Program

10:00 Welcome, overview of the meeting

Simon Müller, Head of Unit, System Integration of Renewables, IEA

Session 1: Japanese System Integration analysis

10:10 Background and opportunities for Japanese System integration

Facilitator: Hideki Kamitara, Renewable Energy Division, IEA

10:20 Design and Operation of Power systems with large amounts of Solar PV in Kyushu

Masakazu Hongou, Deputy Manager, Kyushu Electric Power company

10:40 Discussion

10:50 Pumped hydro storage operation in Japan

Hideki Kibata, Deputy General Manager, TEPCO

11:10 Discussion

11:20 Planning of Transmission line for large amount of VRE in Japan

Kazuya Maruo, Manager, OCTTO

11:40 Discussion

11:50 Lunch

Session 2: System operation and Advanced power plant flexibility

- 13:00 Design and Operation of Power systems with large amounts of VRE
Hannele Holttinen, Principal Scientist, VTT Finland
- 13:15 Advanced Power Plants Flexibility
Simon Müller, IEA
- 13:30 CCGT and Coal power plant flexibility
Kenichiro Nomura (tbc), MHPS
- 13:50 Discussion-implication for Japan
Facilitator: Simon Müller, IEA

- 14:30 Networking and refreshments

Session 3: Demand response and electricity storage

- 15:00 Operation of demand response and Virtual power plant
Jeffrey Renaud, Vice President and Managing Director, Enel X
- 15:15 Hybrid Solar and Energy Storage
Alice Didelot, Solar Market Analyst, Total
- 15:30 Energy storage system and Virtual power plant in Japan
Kansai Electric Power company
- 15:50 Discussion-implication for Japan
Facilitator: Simon Müller, IEA

- 16:50 General discussion and next steps

- 17:00 End of Meeting

2. GRID INTEGRATION OF VARIABLE RENEWABLES (GIVAR) PROGRAMME- Advisory Group Meeting

Date & Time: Thursday, 21st June 2018, 9:30-12:10

Room: - The closed-session meeting (Attendance is by invitation only)

Organizer: International Energy Agency (IEA)

Language: English

Concept:

IEA organizes GIVAR Advisory Group Meeting.

The meeting will be structured around three sessions.

1. Renewable Energy Integration in Thailand – Current status and future prospects
2. System cost & value approach
3. Kick off Power System Flexibility Campaign

As a continuation of the Advanced Power Plant Flexibility Campaign with a wider scope on power system flexibility, the **Power System Flexibility Campaign** was launched at the 9th Clean Energy Ministerial in Copenhagen in May and seeks to build momentum across governments and industry for the development of flexibility strategies encompassing all 4 flexibility resources – power plants, grids, storage and demand-side response- through digitalization and power market transformation.