

Joint workshop on

The use of variable renewables as flexible resources to support grid operation and Power Transmission and Distribution Interaction



IEA ISGAN – International Smart Grid Action Network
Annex 6 - Transmission and Distribution

&

IEA PVPS - Photovoltaic Power Systems Programme
Task 14 – High Penetration of PV Systems in Electricity Grids



On behalf of the Austrian Institute of Technology, IEA ISGAN Annex 6 and IEA PVPS Task 14, you are cordially invited to the workshop on the use of variable renewables as flexible resources to support grid operation and Power Transmission and Distribution Interaction.

Date: 18th of May 2015

Venue: Austrian Institute of Technology, TECH BASE, Giefinggasse 2 | 1210 Vienna | Austria

Fee: No fee for the workshop, lunch and cocktail reception included

Motivation

The planned rapid growth of both distributed and large-scale wind and solar power generation will require a “smarter” and more powerful transmission and distribution system, with higher customer involvement and the rise of new market players.

A key element in this transition is flexibility, both on the demand side and the generation side. Experiences and approaches concerning the use of variable renewables as flexible resources to support grid operation will be shared and discussed.

With the introduction of new grid operation approaches, the roles of network operators are evolving. This includes a closer interaction between TSOs and DSOs. The workshop will be a great opportunity to learn about the TSO-DSO interaction in other countries and discuss future developments.

Workshop programme

09:30 Introduction to IEA ISGAN and IEA PVPS

Michele de Nigris, ISGAN chair

Roland Bründlinger, Operating Agent IEA PVPS Task 14

10:00 Keynote speeches

Michael Hübner, Austrian Federal Ministry for Transport, Innovation and Technology

Helfried Brunner, Austrian Institute of Technology

11:00 The use of variable renewables, especially PV, as flexible resources to support grid operation

- Requirements and needs from the system operation perspective
Michel Bena, SmartGrids Director RTE
- Innovative Reactive Power Management supporting Distribution Grid operation with high PV Penetration
Dr. Thomas Stetz, Fraunhofer IWES
- Increased flexibility through forecasting
Dario Ronzio, RSE

13:00 Lunch

14:00 TSO-DSO interaction in power systems with high RES penetration

- Current practices in different countries, roles and responsibilities
Séamus Power, Eirgrid
- Value proposition of improved TSO-DSO communication and interaction
Hubert Lemmens, Elia, GO15
Sébastien Grenard, EDSO for Smart Grids
- Technical and regulatory requirements
Antony Zegers, Austrian Institute of Technology

17:30 Cocktail reception

Chair

Helfried Brunner / Christoph Mayr, AIT Austrian Institute of Technology GmbH, Austria

Information:

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May we kindly ask you to register your participation (limited access) until 4th May, 2015 at the latest.

Logistics

It is proposed to arrive in Vienna on Sunday 17th of May to be able to start the workshop early on Monday the 18th of May.

Hotel suggestions

- [Rainers Hotel](#)
- [Arcotel Kaiserwasser](#)
- [Melia Hotel](#)

Additional Information

1. The joint workshop takes places in the same week as the [Smart Grids Week Vienna](#):
 - Dates: Wednesday 20th to Friday 22th
 - Venue: The Stage – AIT TECH GATE, Donau-City-Straße 1 | 1220 Wien | Austria
2. The weekend before the workshop, the [Vienna Life Ball](#) takes place. The weekend after the conference, Vienna will host the [Eurovision Song Contest](#). These events will turn Vienna in an even more vibrant city, but it will require making hotel reservations in time.