

Energy Decarbonisation and Flexibility Needs -

How can high shares of intermittent renewable energies efficiently be balanced?

Subject

The decarbonisation of the energy system is one of the main challenges the European Union is facing in the coming years and decades. Renewable energies play a crucial role in this transformation process. However, due to their intermittent nature they rise the need for flexibility. A large bundle of technologies may provide the needed flexibility, such as energy storage systems or demand side management.

The role of different flexibility options for the decarbonisation of the European energy system will be discussed during this afternoon event. The focus lies on the trade-off between different technologies in the electricity, mobility and heat sector as well as cross-sectoral interactions. In addition, the workshop addresses questions about market design options and policy measures, to facilitate the exploitation of flexibility options in different energy sectors.

Speaker

These topics will be addressed in keynote-presentations and a panel discussion with following energy experts:

- Henrik Dam, Policy Officer, DG Energy Unit C2 - New energy technologies, innovation, clean coal, European Commission
- Paul Kreutzkamp, CEO of Next Kraftwerke BELGIUM
- Maria Sandqvist, Director of the council for Swedish Smart Grid

The keynote-presentations and panel discussion are complemented by first insights from the REFLEX-project.

Program

- 14:30 Registration
- 15:00 Welcome and Presentation of REFLEX-project
- 15:20 Keynote Presentations:
 - H. Dam: *European Policy Initiatives in support of the Energy Transition*
 - P. Kreutzkamp: *The Role of a Flexibility Aggregator on the European Electricity Markets*
 - M. Sandqvist: *Benefit of the Smart Grid in the Future Energy System*
- 16:30 Panel Discussion
- 17:30 Reception

Date

Thursday, 17th November 2016

Venue

Representation of Stockholm
Avenue Marnix 28
B-1000 Brussels

Contact

Technische Universität Dresden
Chair of Energy Economics
D-01062 Dresden

Telephone: +49 351 463 39 766

Web: www.reflex-project.eu

