



AGENDA

WORKSHOP “FLEXIBILITY TECHNOLOGIES AND MEASURES IN THE GERMAN AND DANISH POWER SYSTEMS”

Meeting information

18 JANUARY 2022 (TIME: 09:00 CET; 16:00 CST)

Online Zoom Meeting: <https://zoom.us/j/93886204798?pwd=YkhaQiswd0lKN1dRSUZUdW9jQTQrZz09>
Meeting-ID: 938 8620 4798
Password: 610758

LANGUAGE: CHINESE AND ENGLISH (SIMULTANEOUS INTERPRETATION)

Organisers

Sino-German Energy Transition Project (EnTrans), German Energy Agency (dena) and Danish Energy Agency (DEA)

Background information

Commissioned by the German Federal Ministry for Economic Affairs and Energy and implemented by the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), the EnTrans project supports the joint research of Chinese and German institutes and think tanks on energy transition policy.

The German Energy Agency is Germany's centre of expertise for energy efficiency, renewable energy sources and intelligent energy systems. We provide advice and information to policy makers, businesses, and the public on a broad range of energy transition topics. dena views the energy system as a whole and focuses primarily on market instruments and innovative business models.

The Danish Energy Agency is responsible for tasks linked to energy production, supply and consumption, as well as Danish efforts to reduce carbon emissions. The agency is also responsible for supporting the economical optimisation of utilities that in addition to energy includes water, waste and telecommunication.

Workshop topic and objectives

Over the course of 2021, dena and GIZ worked with Germany-based Energynautics GmbH to quantify the cost of implementing flexibility measures, analyse the available potential in Germany and summarize past and present policies and measures. dena's report will be available [here](#) at the beginning of 2022. Earlier this year, in June 2021, DEA published its own [report](#) on the development and role of flexibility in the Danish power system.

The objective of the workshop is to highlight the development and status quo of flexibility use in Germany and Denmark. To this end, experts from dena and DEA will present the main findings of their reports. Experts from IEA and [dena Grid Study III](#) will provide supporting information on the overall role of flexibility in the energy system and the relation to integrated planning of energy infrastructure. The workshop will also focus on the importance of flexibility for TSOs and highlight current practices in Germany and Denmark.

Guest experts

Participants will be able to ask questions, comment the presentations and engage with the speakers and each other during the roundtable discussion.

We would kindly ask all experts to:

- Review key points of dena's and DEA's reports on flexibility [in advance](#)
- Prepare [short statements](#) of ca. 2 minutes (constructive feedback, own views, questions, etc.) for the roundtable discussion
- Exchange views during the discussion

Note: Simultaneous interpretation will be provided. Statements and contributions to the discussion can be made in English and/or Chinese.

AGENDA

09:00 – 09:05 Welcome address and introduction by dena and GIZ

16:00 – 16:05 Corina Bolintineanu, Project Coordinator (dena)

Natasha Amalie Gjerløv Fiig, Advisor Centre for Global Cooperation (DEA)

Christoph Both, Project Advisor Sino-German Energy Transition Project (GIZ)

09:05 – 09:15 International perspectives on power system flexibility

16:05 – 16:15 Dr. Jacques Warichet, Power System Transformation Analyst (IEA)

09:15 – 09:35 Flexibility technologies and measures in the German power system

16:15 – 16:35 Dr. Karolina Jankowska, Senior Expert System and Market Integration of Renewable Energies (dena)

Costs of flexibility technologies and measures in the German power system

Peter-Philipp Schierhorn, Research Engineer (Energynautics GmbH)

Questions and Comments

09:35 – 09:50 Development and role of flexibility in the Danish power system
16:35 – 16:50 Natasha Amalie Gjerløv Fiig, Advisor Centre for Global Cooperation (DEA)
Questions and Comments

DEEP DIVE: STATUS QUO AND SOLUTIONS FOR AN INCREASED FLEXIBILITY FOR POWER GRIDS

09:50 – 10:10 How does the TSO in Germany use flexibility measures?
16:50 – 17:10 Dr.-Ing. Ulf Kasper, Manager Control Reserves and Balancing (Amprion GmbH)
Questions and Comments

10:10 – 10:30 Balancing in a system dominated by renewables – Challenges and solutions
17:10 – 17:30 Jesper Wonsbek Buck, Engineer (Energinet)
Questions and Comments

10:30 – 10:50 Dena Grid Study III – Impulses for System Thinking
17:30 – 17:50 Stefan Mischinger, Director Infrastructure and Energy Systems (dena)
Questions and Comments

10:50 – 11:05 Roundtable discussion
17:50 – 18:05 Moderation: Lars Grundahl, Team Leader Centre for Global Cooperation (DEA)

11:05 – 11:15 Wrap up and concluding remarks
17:05 – 18:15 Natasha Amalie Gjerløv Fiig, Advisor Centre for Global Cooperation (DEA)
Corina Bolintineanu, Project Coordinator (dena)
Christoph Both, Project Advisor Sino-German Energy Transition Project (GIZ)