

Insights from the e2flex project: Integrating Consumption Flexibility into DSO Operations

Spirii radius

E2FLEX

ENABLING FLEXIBILITY

Funded by EUDP - ELFORSK under agreement number ELF221-497388

ENABLING FLEXIBILITY

Integrating Consumption Flexibility into DSO Operations



Date: Friday, May 22, 2026; **Time:** 9:30 – 15:30; **Location:** DTU Lyngby, Building 329A, Atrium, Kgs. Lyngby, Denmark

Event description

Join us for the final project event “**Insights from the e2flex project: Integrating Consumption Flexibility into DSO Operations**”, where we present new research on **electric consumption flexibility, consumer responsiveness – particularly in EV charging – and practical tools for integrating flexibility in DSO operation**. The event combines empirical results, real-world experience, and discussions on the future role of flexibility in distribution grids.

Read more here: <https://wind.dtu.dk/e2flex>

Agenda

- 9:30** Welcome and Introduction
- 9:45** Session 1 - How flexible are consumers?
- 10:45** Session 2 - Improving value creation for flexible consumers
- 11:30** Lunch and networking
- 12:30** Session 3 - Methods and market design for utilizing flexibility
- 13:30** Session 4 - Forecasting and operational tools for managing flexibility
- 14:30** Panel discussion: Next steps for the integration of flexibility
- 15:15** Wrap-up and closure

Meet the panelists



Kathrine Lau Arndal
Energinet



Luuk Rousseau
Alliander (Dutch DSO)



Kim Behnke
EWII



Jack Kristensen
Andel Energi

Meet the moderator



Lisa Calearo
Spirii

ENABLING FLEXIBILITY

Detailed Agenda

09:30 Welcome

- Welcome and introduction to the e2flex project

09:45 Session 1 - How flexible are consumers? An insight into consumer behaviour

- What makes demand wait? Modeling cross-day flexibility in electric vehicle charging.
- Tracking Changes in Electric Vehicle Charging Behavior through Dynamic Clustering

10:45 Session 2 - Creating more value for flexible consumers

- Which electric vehicle users are flexible and price responsive? Uncovering user types in Denmark.
- What is the performance of EV chargers providing grid services? Results from a large-scale test

11:30 Lunch and networking

12:30 Session 3 - Methods and market design for utilizing flexibility

- Impact of Limited Information on Estimating Aggregated Electric Vehicle Loading: A DSO Perspective
- Designing a local flexibility market for buying back capacity from electricity consumers

13:30 Session 4 - Forecasting and operational tools for managing flexibility

- Transformer Overload Forecasting: The Impact of Increasing EV Charging Demand
- A DSO's experience with short-term load forecasting

14:30 Panel discussion: Next steps for the integration of flexibility into DSO processes

- Panelists: Luuk Rousseau (Alliander), Kim Behnke (EWI), Jack Kristensen (Andel Energi)
- Host: Lisa Calearo (Spirii)

15:15 Wrap-up and closure

ENABLING FLEXIBILITY

The Consortium



radius Spirii