

# 3rd Expert Workshop on Design and Operation of Digitalized Sector-Coupled Energy Systems

Shape the future of sector  
coupling and digitalization  
of energy in Europe!

**Save the date:**  
**May 16-17, 2024**

## Venue

Hosted by **KTH Royal Institute of Technology** in Stockholm, Sweden

## Registration

The number of participants will be limited. Details regarding the registration process will follow soon.

## Scope

Following the great success of the previous workshops in Hamburg and Vienna, we aim again to **bring together experts** from Europe to exchange insights and create a **roadmap on possible trends and research directions** for operation, control and digitalization of **sector-coupled energy systems** and **sector integration**.

## Topics

### Cluster 1: System architecture and operation strategies

- Holistic modelling and simulation (cyber-physical modelling, P2X, etc.)
- Design and operation of sector-coupled energy systems (district heating, hydrogen, e-mobility, smart buildings, smart communities, etc.)
- Testbeds and validations
- System-level control strategies
- Market and regulation requirements/aspect

### Cluster 2: Automation and Digitalisation Technologies

- Artificial Intelligence, Machine Learning, data-driven techniques
- Data exchange and management
- Standardization and Interoperability
- Digital Twins, Integrated-EMS, SCADA
- IoT, communication networks, distributed ledger technologies
- Cyber Security

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