



Agenda

Supporting a glocal energy transition: from local energy communities to global simulation networks

Joint Research Centre – Ispra
Building 36

9-10/11/2022

**The European Commission's
science and knowledge service**

Joint Research Centre

The logo of the Joint Research Centre, featuring a stylized atom symbol with a yellow nucleus and blue electrons. Below it is a blue square containing the text "Joint Research Centre" in white.

Joint
Research
Centre

Day 1 – Renewable Energy Communities for a local energy transition

JRC Ispra, 09 November 2022

13:30 - 13:50 Welcome

- Gianluca Fulli (European Commission - JRC)
- Konstantinos Stamatīs (European Commission – DG ENER)

13:50 - 15:10 Objectives and challenges of regulation on Energy Communities

Four talks (20 minutes each)

- Valerie Reif (Florence School of Regulation)
- Marco Merlo (Politecnico di Milano)
- Ludwig Karg (BAUM Consult)
- Vincenzo Trovato (Università di Trento)

15:10 - 15:20 Coffee break

15:20 - 16:40 Energy Communities: success stories, technological and social developments

Four talks (20 minutes each)

- Sergio Olivero (Politecnico di Torino)
- Dimitrios Thomas (European Commission - JRC) – “Added value of sharing storage in energy communities”
- Alexandros Chronis (National Technical University of Athens)
- Daniele Paci (European Commission – JRC)

16:40 - 17:20 Round Table

- Topic: The role of energy communities in the future decarbonized power system
- Moderator: Antonio De Paola (European Commission - JRC)
- Participants: Ludwig Karg (BAUM Consult), Valerie Reif (Florence School of Regulation), Konstantinos Stamatīs (European Comm. - DG ENER), Sergio Olivero (Politecnico di Torino), Alberto Prospero (ENERBIT)

17:20 – 17:30 Conclusions

19:00 – 21:00 Social Dinner

Day 2 – Internet-of-labs supporting the energy transition

JRC Ispra, 10 November 2022

09:00 - 09:20 **Welcome**

Introductions

- Evangelos Kotsakis (European Commission - JRC)
- Domenico Villacci (ENSIEL Director, Università di Napoli Federico II)

09:20 - 09:40 **Internet-of-labs: an innovative vision to support the energy transition**

Ettore Bompard (ENET RT-Lab Politecnico di Torino)

09:40 - 10:00 **Multi-site co-simulation**

Antonello Monti (RWTH Aachen)

10:00 – 10:20 **The ERIGRID 2.0 project**

Thomas Strasser (Austrian Institute of Technology)

10:20 - 10:30 **Coffee break**

10:30 - 10:45 **Energy communities as an effective tool for the future energy system: the demo experiment**

JRC + RWTH Aachen + ENET RT-Lab (intro + description of laboratories)

10:45 – 11:00 **Live experiment of Geographically-Distributed Real-Time Simulations**

Demonstration of the support of energy communities to power system operation

11:00 – 11:45 **Roundtable**

Topic: What comes next? Bottlenecks and opportunities for the internet of labs

Moderator: Marcelo Masera (EST@energycenter, Politecnico di Torino)

Participants: Andrea Benigni (FZJ) + Cyprian Peters (RTDS Technologies) + Ravinder Venugopal (OPAL-RT) + Sébastien Lepy (CRESYM)

11:45 – 12:00 **Conclusions**

Marcelo Masera (EST@energycenter, Politecnico di Torino)

12:00 – 13:00 **Lunch** (JRC - Piccola mensa)

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