



Smart Energy Cluster Workshop

From Buildings to Communities:

Innovation in Energy Efficiency and Grid Integration

Location

Enlit Europe
Bilbao, Spain



Date and Time

19 November 2025

11:30 am - 13:00 pm CET



Agenda

Presenter

Start Time

Duration

Overview of the Smart Energy Cluster

Vasilis
Kotrogiannis
(NTUA)

11:30

5 Minutes

Session 1 - Smart Buildings: Digital Innovation for Energy Retrofits (11:35 - 12:15)

Topics: Integration of IoT, digital twins, energy-efficiency financing, heritage-sensitive solutions, decarbonisation services

SMARTeeSTORY

Smart Control Systems and Energy Optimisation for Historic Non-Residential Buildings

Matteo Porta
(RINA -C)

11:35

5 Minutes

META BUILD

Electrification technologies and novel digital applications towards buildings' decarbonisation

Nikos
Dimitropoulos
(NTUA)

11:40

5 Minutes

DEDALUS

Residential demand response for innovative services with social engagement

Diego Arnone
(ENG)

11:45

5 Minutes

Panel Discussion Session 1 - Moderated by Elissaios Sarmas (NTUA) 11:50 - 12:15

Session 2 - Smart Grids and Energy Communities: Citizen Activation and Flexibility Management (12:15 - 12:55)

Topics: Energy communities, consumer participation, local flexibility markets, decentralized energy systems, citizen engagement models, smart grid solutions

Crete Valley

Renewable Energy Valleys as Living Labs for Community-Centred Innovation

Elissaios
Sarmas
(NTUA)

12:15

5 Minutes

ENPOWER

From Consumers to Citizens: Data-Driven Tools for Energy-Secure Communities

Nektarios
Matsagkos
(NTUA)

12:20

5 Minutes

ReSCHOOL

Empowering Energy Communities through Flexibility Tools and Citizen Participation

Joaquim
Meléndez Frigola
(University of
Girona)

12:25

5 Minutes

Panel Discussion Session 2 - Moderated by Elissaios Sarmas (NTUA) 12:30 - 12:55

Conclusions and Wrap - Up 12:55 - 13:00

