

# ENFLATE PROJECT NEWSLETTER

## GOALS & TARGETS

The ENFLATE project aims at the flexibilization of Energy markets from TSOs down to end-consumers, using new and smart technologies to provide clean and easy-to-use solutions for the decarbonisation of the electricity market. The goals are aligned with the European Commission's policy framework (i.e., Clean Energy Package, FiT 55), seeking to decarbonise the energy system, encouraging the electrification of heat and transport, as well as the connection of more clean but intermittent generation.

## ENFLATE SHINES AT ENLIT EUROPE 2025

ENFLATE actively participated in Enlit Europe 2025 in Bilbao, Spain, an event that brought together over 15,000 energy professionals from across Europe. This high-level event provided a platform for discussing flexibility, digitalisation, and consumer-centric energy solutions. ENFLATE showcased its expertise alongside EU-funded projects, research organisations, industry stakeholders, and system operators. Highlights included the Energy Nexus Cluster Workshop, which addressed flexibility markets, data interoperability, and citizen engagement; the Joint Flexibility Workshop with the RESONANCE and BeFlexible projects, which focused on scalability, standardisation, and value creation; and the 'Small Assets, Big Impact' session, which demonstrated how distributed flexible assets can reduce system costs, enhance resilience, and support renewable integration. ENFLATE's presence at Enlit Europe 2025 reinforced its pivotal role in Europe's energy transition, offering valuable insights to inform ongoing project activities and future collaboration.



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### PROJECT DETAILS

**Timeframe:** September 2022 - August 2026

**Budget:** €14,314,162.00

**HORIZON EUROPE—  
Innovative Actions:**  
€ 7,686,305.00



<https://www.linkedin.com/showcase/enflate/>



<https://twitter.com/enflateproject>



<https://www.youtube.com/@enflate5366>



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## Meet The Minds Behind ENFLATE

**Publication series:** In this series, we highlight ENFLATE on the experts who are shaping Europe's energy transition through research, innovation, and practical solutions. Below, we present their latest publications and contributions to the development of flexible, sustainable energy systems.

### ECOS Conference 2025

Researchers from CERTH recently presented their work on optimising district heating systems at the ECOS Conference 2025. Their paper, 'Optimisation of District Heating Systems Based on a Lifecycle Cost Analysis by Integrating Non-Linear Programming Techniques' by Panteleimon Tzouganakis, Maria Fotopoulou, Dimitrios Rakopoulos and Dmytro Romanchenko, highlights advanced modelling approaches that can improve the cost-efficiency and long-term sustainability of district heating systems.

### Renewable Energy Journal publication

A recent article published in Renewable Energy (Issue 4(83), 2025) explores the modelling of cost optimisation for local cross-vector flexibility in coupled district heating and electricity networks. The article uses a case study of Kungsbacka in Sweden. Written by O. Lysenko, E. Mata and P. Sobhan from the National Academy of Sciences of Ukraine. The study demonstrates how integrated energy system modelling can enhance efficiency and flexibility at the local level.

## Smart Energy Nexus Cluster Workshop: Driving Collaboration for Europe's Energy Future

We participated in the fourth Smart Energy Nexus Cluster Workshop, which brought together European energy projects to foster collaboration, knowledge exchange and alignment across initiatives that support the energy transition. During the workshop, we presented our project's objectives, pilot activities and innovation pathways, engaging in discussions about common challenges relating to sustainability, digitalisation and system transformation. These discussions emphasised the value of cross-project cooperation in maximising impact and avoiding duplication. We interacted with several other initiatives, including HEATWISE, COSMIC, LegUp, EBENTO, EVELIXIA, CELINE, BUILDLOSS, SmartCORE, STUNNED, PVSmile and DeCO2 Company. Such collaborative efforts are essential to accelerating innovation and delivering effective solutions for a sustainable energy system.



## ENFLATE Final Event - Save the Date

The ENFLATE project will conclude on 8 June 2026 with its final event in Brussels, which will bring together project partners, policymakers and key stakeholders from across Europe's energy sector. Hosted as part of the Energy Nexus Cluster Workshop: Synergies for a Resilient & Flexible Energy System, the event will showcase ENFLATE's key accomplishments and contributions to the development of a flexible, consumer-driven energy system.

### ENFLATE Final Event Session:

**Location: Brussels**

**Date: 08 June 2026**

**During this dedicated session, participants will gain insights into:**

- *Key results from the six demonstration sites*
- *Lessons learned on flexibility solutions and market design*
- *The role of data spaces and scalability*
- *ENFLATE's impact on EU energy policy*

## SAFE THE DATE

Discover the key results of ENFLATE and explore the future of flexible, consumer-driven energy system

## ENFLATE Final Event



**08 June 2026**



**Brussels**



**enflate**

[www.enflate.eu](http://www.enflate.eu)





### 6th Plenary Meeting in Thessaloniki

From 4 to 5 November 2025, the ENFLATE consortium gathered in Thessaloniki, Greece, for its sixth plenary meeting, which was hosted by CERTH. During the meeting, partners shared updates from demo sites. They highlighted innovations such as consumer-driven market tools, cross-sector flexibility platforms and non-energy services for healthcare and mobility. Notable highlights included live demonstrations of the DFLEX Market and LocalFlex tools, insights into TSO–DSO consumer coordination, and a visit to CERTH’s Smart Home, where energy flexibility was showcased. Workshops focused on market scalability, business models, and replication strategies, emphasising ENFLATE’s contribution to EU energy policy.

### 7th Plenary Meeting

We are excited to announce that the upcoming plenary meeting will be held online on 19 May 2026. During this virtual gathering, all project partners will come together to review the key results expected in the final year of the project, share insights on recent technical and scientific developments, and discuss next steps as we approach the project’s conclusion. This meeting will provide a valuable opportunity to connect with the consortium, exchange ideas and reflect on the progress made throughout the project.



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|---|---|
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