HEDGE-IoT

The main objective of HEDGE-IoT is to implement a cutting-edge Digital Framework, boosting energy system resilience and flexibility by deploying IoT assets, integrating advanced AI/ML tools, and connecting cloud and edge layers.

This framework seeks to enhance renewable energy source (RES) hosting capacity, unlock new market prospects, standardize IoT, and integrate RES into the energy ecosystem, to improve sustainability and inclusivity.

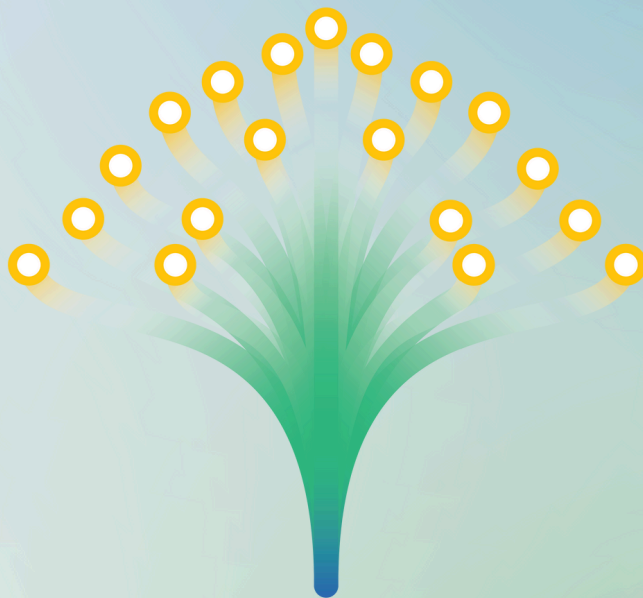**HEDGE-IoT will foster scalability through stakeholder collaboration and SME involvement.**

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Co-funded by
the European Union

HEDGE-IoT

*Holistic Approach
towards Empowerment of the
Digitalization of the Energy Ecosystem
through adoption of IoT solutions*

42 PARTNERS

Consortium of entities from 13 European countries: ICT companies, TSOs, DSOs, SMEs, energy stakeholders, research institutions EU-level associations, and legal & regulatory experts.

6 PILOTS

The HEDGE-IoT Framework will be implemented, showcased and validated in 6 Large-Scale field Demonstrators set in 6 European countries featuring different climatic, regulatory and social conditions.

With a consortium of 42 partners and 3 linked third parties from 13 European Countries, comprising large ICT companies, leading TSOs, DSOs, SMEs, energy stakeholders, research institutions, EU-level associations and legal & regulatory experts, **HEDGE-IoT offers a comprehensive Digital Framework designed to bridge the cloud/edge continuum and introduce federated applications governed by advanced computational orchestration solutions.**

2 OPEN CALLS

HEDGE-IoT will allocate 1.700.000 EUR to fund up to 30 projects, offering new data-driven services and functionalities that complement the HEDGE-IoT Framework.

4 PILLARS

HEDGE-IoT Multi-dimensional framework is comprised in four pillars:
1) Technology Facilitator
2) Interoperability
3) Standardisation
4) Digital Energy Ecosystem Enabling