

The HEDGE-IoT Project Kicks Off in Athens, Unveiling Vision for Smarter and Connected Future

[February 2024] - The HEDGE-IoT project (full project name: Holistic Approach towards Empowerment of the DiGitalization of the Energy Ecosystem through adoption of IoT solutions) co-funded by the European Union (Granting authority: European Climate, Infrastructure and Environment Executive Agency) under Grant Agreement No. 101136216 , is proud to announce its official kick-off.

The HEDGE-IoT consortium, consisting of 42 partner organizations from 13 European countries, has officially launched the HEDGE-IoT project during a kick-off meeting held in Athens on January 24 & 25, 2024. The meeting, organised by European Dynamics, the project coordinator, marked the commencement of a transformative initiative set to revolutionise the European energy systems.



About HEDGE-IoT:

HEDGE-IoT proposes a novel Digital Framework which aims to deploy IoT assets at different levels of the energy system (from behind-the-meter, up to the TSO level), to add intelligence to the edge and cloud layers through advanced AI/ML tools and to bridge the cloud/edge continuum introducing federated applications governed by advanced computational orchestration solutions. The HEDGE-IoT Framework will upgrade the RES-hosting capacity of the energy systems,

unleash a previously untapped flexibility potential, leveraging on IoT solutions and will increase the resilience of the grid towards the digitalization of the energy sector, and the advancements in IoT standardization.

Innovation Powerhouse with a Proven Track Record

The HEDGE-IoT consortium boasts a comprehensive capability to organise the entire value chain of innovation, with expertise extending up to the release of the project, centered around the crucial Technology Readiness Levels (TRL) 7-8.

Members of the consortium bring a wealth of experience, having successfully coordinated and implemented various Horizon Europe & 2020 Projects. This track record underscores the consortium's commitment to driving impactful innovation in the IoT, digital twin, and smart energy domains.

Active Participation in Key Initiatives

Many consortium partners actively participate and contribute to key initiatives such as BRIDGE, FIWARE, GAIA-X, ETIP SNET WG4, and AIOTI, further reinforcing the collaborative spirit and commitment to advancing the European tech ecosystem.

Diverse Consortium Composition & Ambitious Vision for the Future

The HEDGE-IoT consortium is a diverse mix of leading academic institutions, major energy stakeholders, utility and energy exchange entities, technology providers, facility/infrastructure managers, legal and regulatory experts, and SMEs promoting IT development and visibility.

As the project unfolds over the next 42 months, the consortium aims to develop innovative solutions, contribute to standards, and shape the future of IoT, digital twin, and smart energy. The kick-off meeting provided a crucial platform for partners to align on objectives, set the roadmap, and foster collaborative innovation.

Quotes:

Nikos Bilidis, Project Coordinator, European Dynamics:

“HEDGE-IoT aims to revolutionize the digitalization of the European Energy Systems by exploiting the advantages of IoT technologies through an interoperable and standardized digital framework. The bridging of the edge-cloud continuum, through computational orchestration and federated learning traits, lies at the center of our activities. The HEDGE-IoT ecosystem will pave the road towards increased grid flexibility, enhanced hosting capacity of renewable energy sources and a more robust and resilient power system operation. The kick-off meeting of our project marked the start of a long and challenging journey and we are delighted to work with this multi-disciplinary and highly skilled consortium.”



Vukašin Orsić, HEDGE-IoT Dissemination & Communication Manager, F6S:

"The HEDGE-IoT consortium brings together a unique blend of talents and experiences. With a strong commitment to collaboration and innovation, we are well-positioned to address the challenges of the future and contribute to shaping a smarter and interconnected Europe."

Stay Informed and Engage

HEDGE-IoT invites everyone to stay informed about this exciting venture. Updates, achievements, and collaborations will be shared as the project advances, transforming the European IoT, AI, and smart energy domains.

Follow HEDGE-IoT on social media [LinkedIn](#), [Twitter](#) and [YouTube](#) and be the first to know about any project-related news.

HEDGE-IoT website is coming soon and it will be available at www.hedgeiot.eu.

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