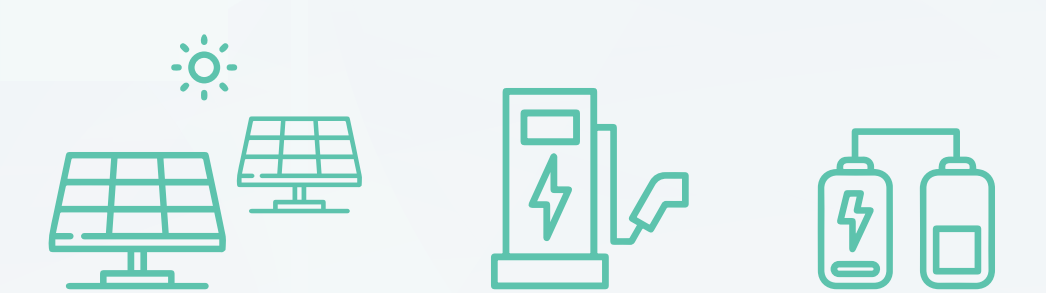


ENERGY ACTIVATED CITIZENS AND DATA-DRIVEN ENERGY-SECURE COMMUNITIES FOR A CONSUMER-CENTRIC ENERGY SYSTEM



The overall vision of **ENPOWER** is to design, develop and demonstrate SSH-driven methodologies, interactive and AI-based tools and services for energy activated citizens and data-driven energy-secure communities towards a consumer-centric energy system.



Social

Development of a Social Science Framework for the engagement and the active participation of citizens in the energy markets.

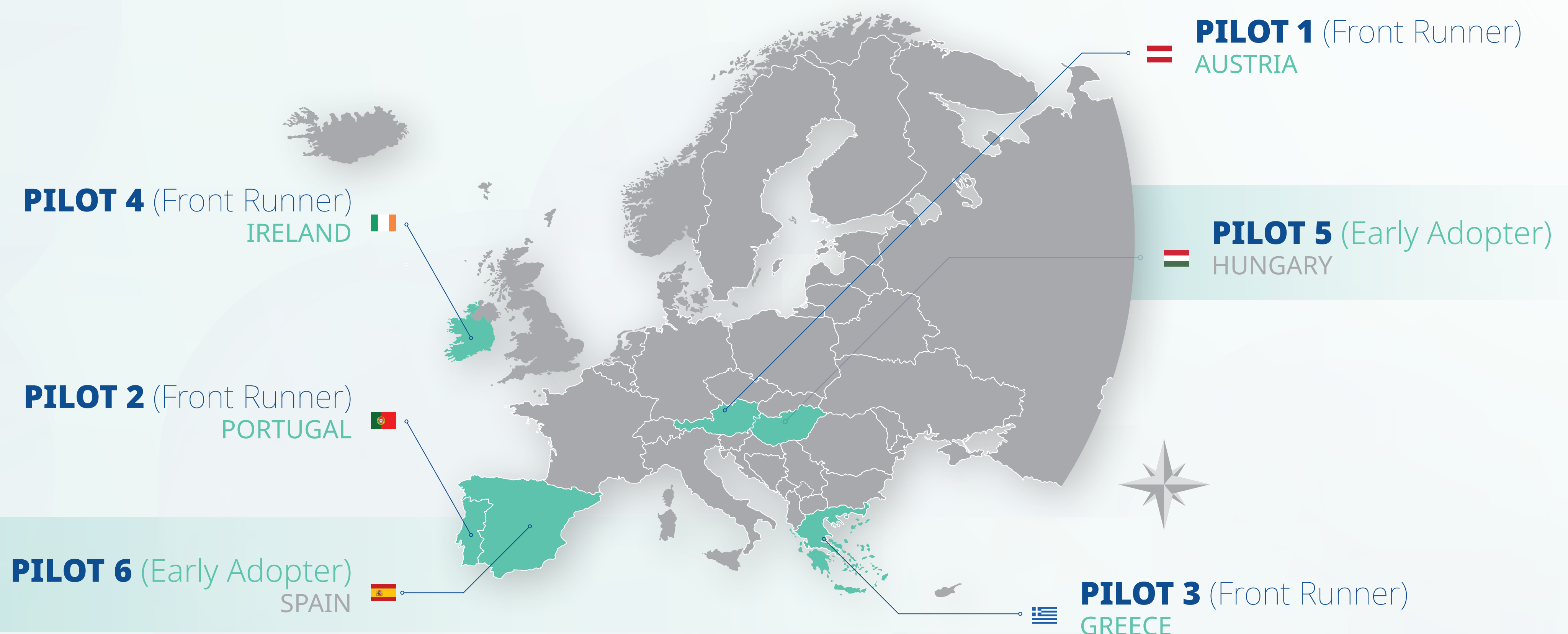
Technological

Interoperable data-driven services for facilitation and planning on an individual and community level, to optimally manage and upscale consumer activation.

Business

Creation of sustainable business models for energy consumption and collaboration with energy providers, policymakers, and stakeholders to benefit both the economy and the environment.

Pilot sites



IMPACT

13-15% cost reduction in the energy bill for activated energy consumers

15% increased energy efficiency

45% increased energy data sharing by active consumers after 5 years

10 new data-driven services to facilitate consumer activation and market participation

30-35 energy communities created, set up, and/or upscaled/replicated after five years from the project starting date

>1500 consumers engaged and **>1000** consumers activated

40% average yearly increase of the share of consumers energy market participation via energy communities

> 500 active consumers engaged in automated DR

15-20% carbon emission reduction in the areas of the 6 pilots due to increased decentralised management of energy infrastructures



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