



OUR WORK PLAN

We will start our work plan by analysing application cases characterising the technical framework, business models and technical and economic feasibility. We will also test storage technologies in existing installations and develop resilient control algorithms considering fault tolerance and hierarchical structures.

What results to expect from AGERAR PLUS? We will:

- Identify the main challenges, obstacles and business models for prosumer participation in a smart grid.
- Obtain digital twins for simulations.
- Analyse and demonstrate energy storage technologies.
- Obtain performance indices to assess the proposals' feasibility.
- Develop IoT software platform.
- Validate new methodologies in energy platforms.



CONTACT US



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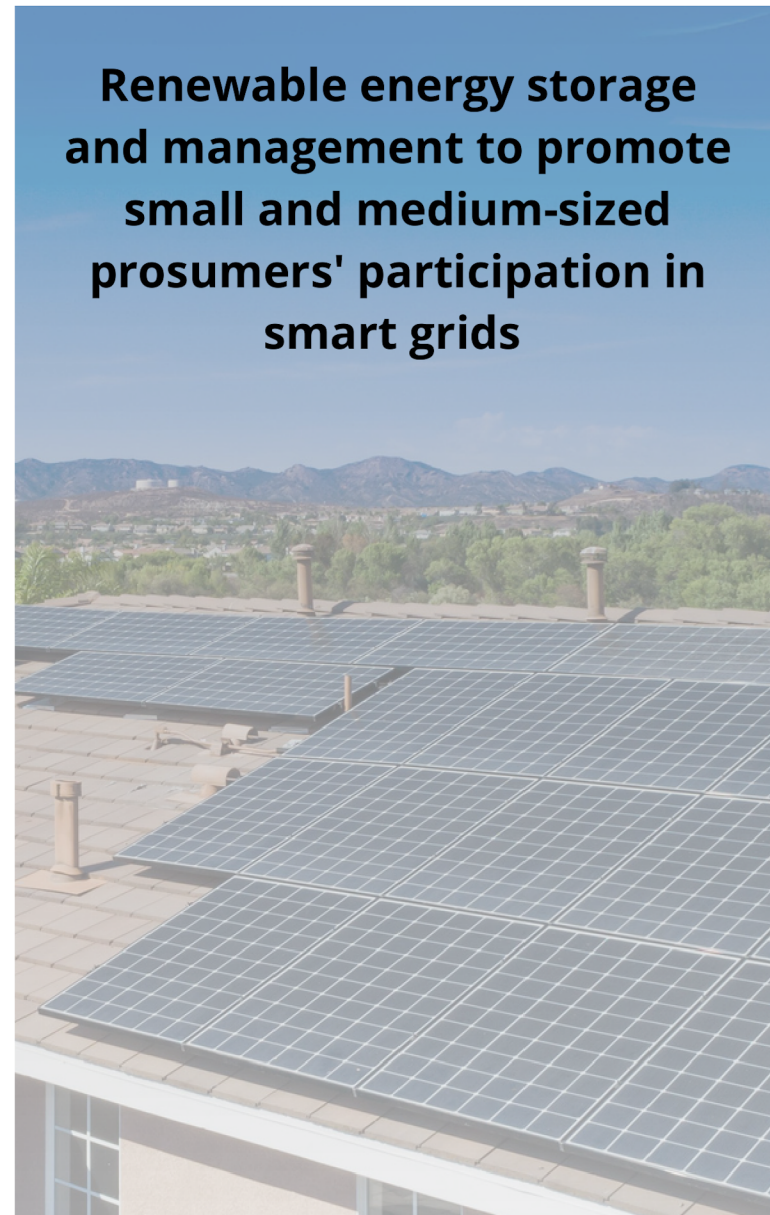
<https://agerarplus.eu/>

OUR TEAM:

AGERAR PLUS is a team of eight partners from the POCTEP area (Spain and Portugal). We collaborate with research groups generating knowledge in the sector, companies of interest, and local and regional administrations to meet their objectives.



**Renewable energy storage
and management to promote
small and medium-sized
prosumers' participation in
smart grids**

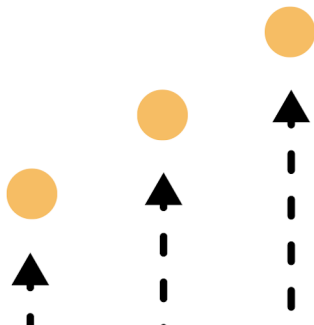




AGERAR PLUS

RENEWABLE ENERGY STORAGE AND MANAGEMENT TO PROMOTE SMALL AND MEDIUM-SIZED PROSUMERS' PARTICIPATION IN SMART GRIDS

The AGERAR PLUS project aims to harness the potential of cooperation to consolidate Spain and Portugal's innovative and scientific framework in the field of energy. The project focuses on improving energy efficiency by supporting small and medium-sized prosumers and energy communities through information and communication technologies.



OUR MAIN ACTIVITIES WILL BE:

1. Analysing application cases



We conduct technical and economic assessments of different use cases and business models that could help small and medium prosumers participate in smart grids using renewable energies and managing storage systems and flexible demand.

2. Assessing and testing technologies



We assess and test the technologies involved in storage for generated electricity management and flexible demand systems (electricity and heat from renewable sources), an essential mechanism to balance the electrical system given the current context of incremental demand, volatile generation, and variability in consumption patterns.

3. Developing tools to optimise management and control



We build resilient control systems that can operate reliably and safely in the event of failures. Predictive control techniques and uncertainty management will be integrated. Uncertainties may be internal (e.g. faults) or external (e.g. demand and generation profiles).

4. Demonstration and validation



This project activity aims to demonstrate and validate the assessed technologies and management tools developed.



OUR MISSION

By managing flexible storage and demand systems, AGERAR PLUS will improve research and innovation capacities in Spain and Portugal's cross-border area for small and medium-sized prosumers using renewable energies.



FUNDING

AGERAR PLUS has a budget of €7,442,938.97 – 75% of which was co-financed by the European Regional Development Fund (ERDF) through the Interreg Spain-Portugal Programme (POCTEP) 2021-2027. The project will run for 36 months, starting in September 2023 and ending in August 2026.



OUR TEAM

The AGERAR PLUS project relies on a multidisciplinary and experienced partnership, which will turn objectives into consolidated results.