



EU H2020 Project: Energy balancing and resilience solutions to unlock the flexibility and increase market options for distribution grid

The aim is to increase network flexibility and resilience by creating and integrating smart energy technologies into an energy balancing platform proposing a local energy flexibility market model

Objectives:

- increase the energy flexibility of distribution grids;
- predict the available flexibility;
- increase the distribution electricity grid resilience;
- design and test new ancillary models to promote new local markets based on energy flexibility;
- test a variety of Ebalanceplus technological solutions (electric smart-storage at building and district level, V2G systems with local DC networks and SiC power inverters, power to heat, management of PV power inverters, regulation of CHP and management of appliances/devices with IoT-based systems) at four real demonstration sites located in Spain, Italy, France and Denmark. Additional laboratory testing will address safety issues.

Another special feature of Ebalanceplus is its social and market orientation.

The project work plan covers a 4-year period and involves 15 partners from 10 countries. All project activities and results are divided into 9 work packages, dealing with research, analysis, evaluation and exploitation to achieve future replicability.

Call: H2020-LC-SC3-2019-ES-SCC

Type of Action: IA

Acronym: eb+

Duration: 42 months

Start date: 01 Feb 2020

Estimated Project Cost: € 9.514.958,75

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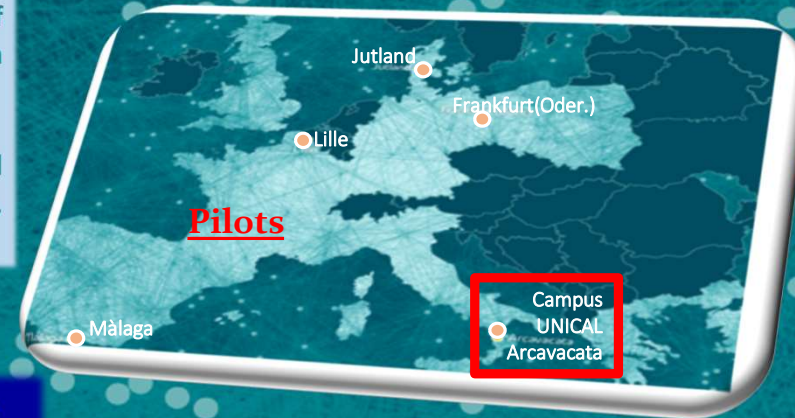
web-site: <https://www.ebalanceplus.eu/>

THE FRAMEWORK PROGRAMME FOR RESEARCH AND INNOVATION

HORIZON 2020



Partners



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