

NOBEL GRID & WISEGRID projects - Clean energy for All



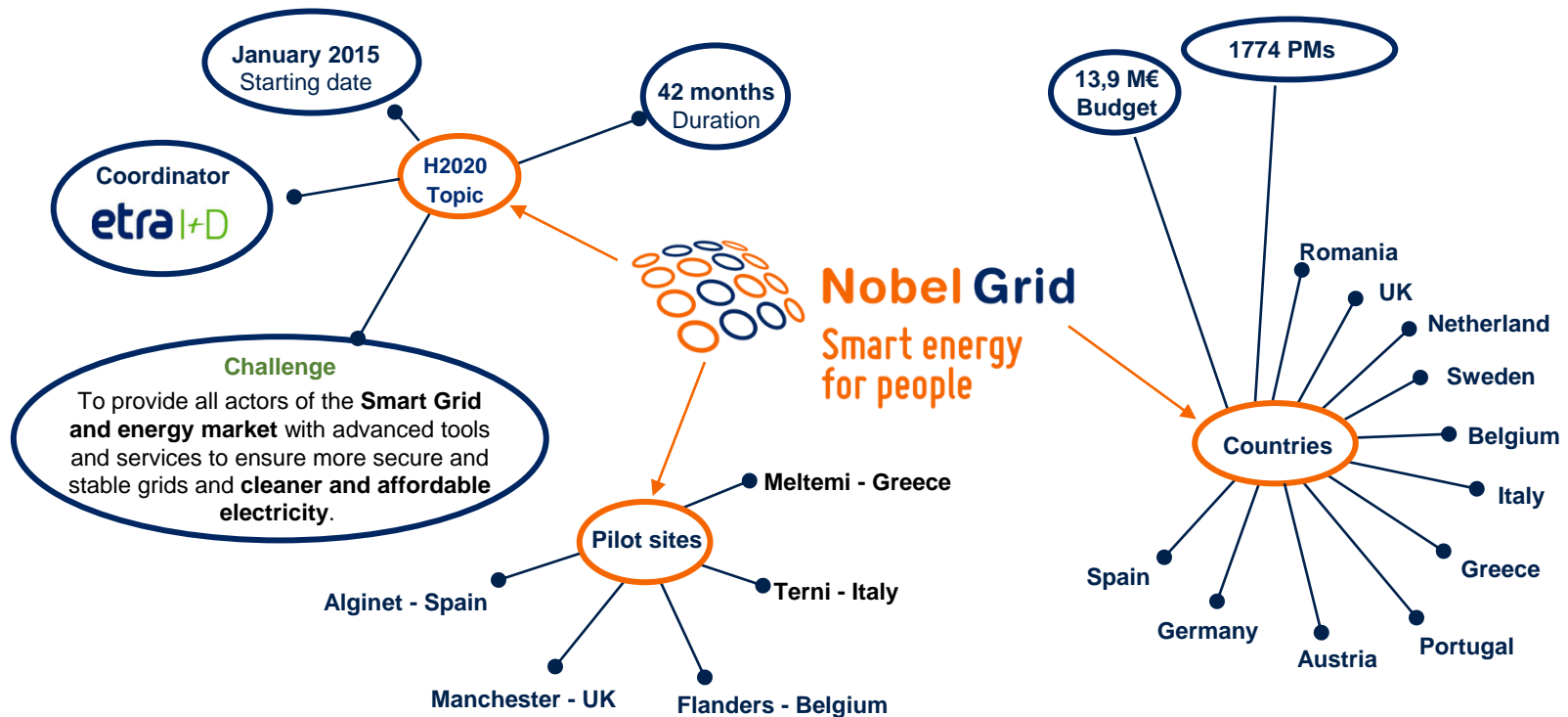
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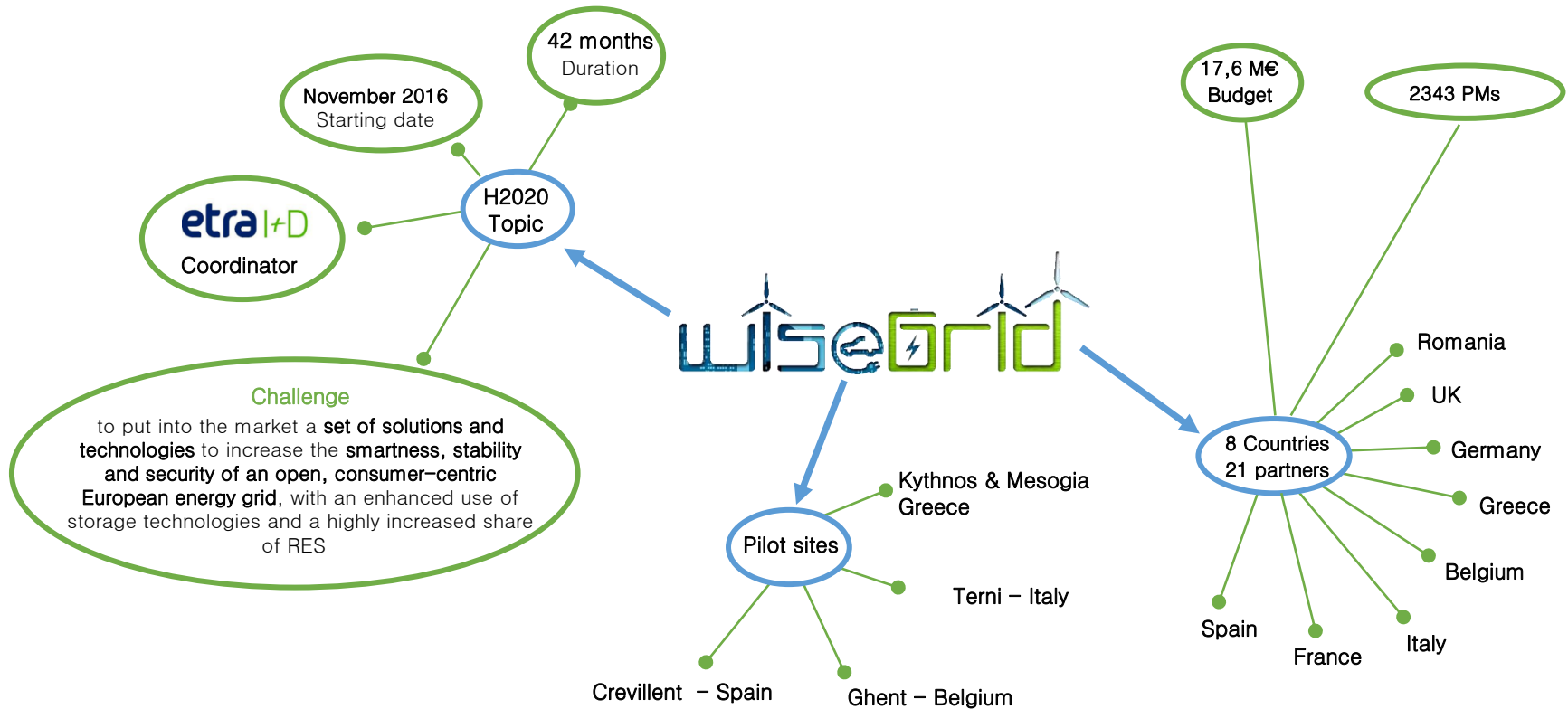
NOBELGRID & WiseGRID goals

- **Advanced smart meter** with extended functionalities for all type of users (SLAM)
- **Demand-response**
 - Allowing active participation, protection and empowerment of the European consumers and prosumers;
 - Sustainable business models and regulatory recommendations, based on different technologies (smart metering, smart home appliances, batteries, EVs, etc.) to create a win-win situation for both grid and consumers.
- **Smartening the distribution grid**
 - Technologies and methods to gain advanced monitoring and awareness of variable generation,
 - integration of Virtual Power Plants and microgrids as active balancing assets.
- **Integration of renewable energy storage systems in the network**, such as batteries or heat accumulators.
 - Optimization of the market deployment of these storage systems, manage and balance the network optimally, responding better to changes in demand and reducing at the same time losses in distribution.
- **Smart integration of electric mobility services** for charging, providing storage capacity or to supply electricity to the grid, including the possible use of their batteries as storage systems or VPPs.

NOBELGRID Project highlights



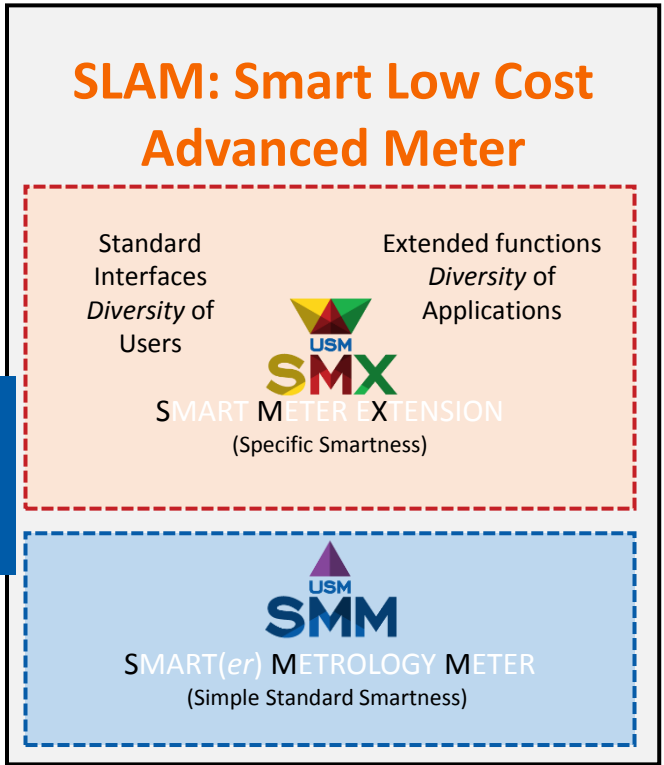
WiseGRID Project highlights





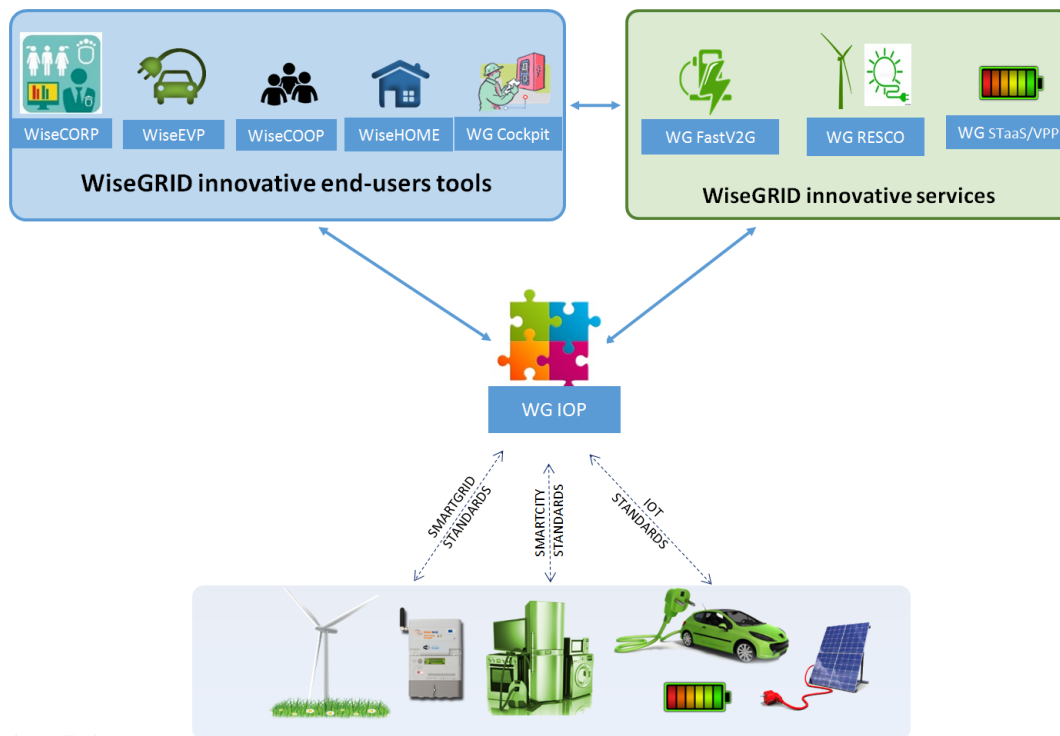
SLAM: Smart Low Cost Advanced Meter

EU Policy: 80% Smart Meters deployed in 2020

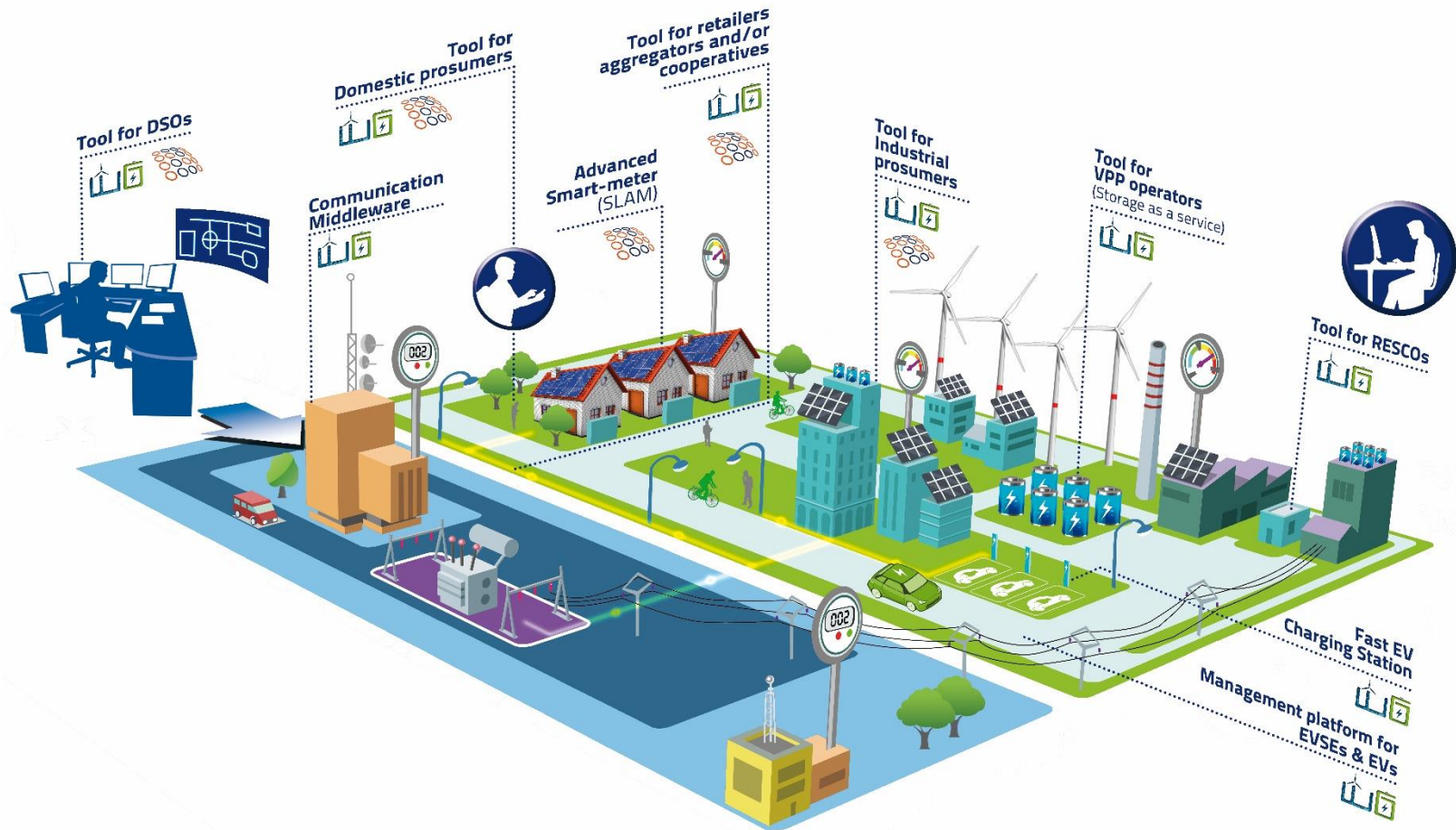




WiseGRID technological solutions



NOBELGRID & WiseGRID products



NOBELGRID & WiseGRID pilot sites

The projects' results will be tested in real conditions **in seven different electric cooperatives and non-profit demonstration sites in six EU members' states**





Alginet, Spain



Flanders, Belgium



Terni, Italy



Crevillent, Spain



Meltemi, Greece



Manchester, UK



Attika region, Greece



Kythnos Island, Greece

Expected impact

- Notable **improvement on quality of life for EU citizens** by increasing RES penetration and reduction of the emissions.
- Efficient and **fair distribution of the benefits** on the electricity distribution to all actors.
- **Active participation of prosumers**, and new players in energy markets, such as aggregators and ESCOs.
- Opening up **new markets** for advanced smart grid and smart metering **technologies to foster European industries' competitiveness**.
- Promoting the implementation of **new business models, market rules and legislation framework** for smart grids and smart metering infrastructure.



Thank you!

For more info about NOBELGRID:

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For more info about WiseGRID:

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