

interconnect



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**interoperable
solutions connecting
smart homes,
buildings and grids**



InterConnect (Interoperable Solutions Connecting Smart Homes, Buildings and Grids) is the name of the project that gathers 50 European entities to develop and demonstrate advanced solutions for connecting and converging digital homes and buildings with the electricity sector. The main goal? Bringing efficient energy management within reach of the end-users by interoperable Solutions Connecting Smart Homes, Buildings and Grids.

The project, which was approved by the European Commission under the Horizon 2020 programme, places the foundation for the future of smart energy management solutions by seven connected large-scale test-sites in Portugal, Belgium, Germany, the Netherlands, Italy, Greece and France.

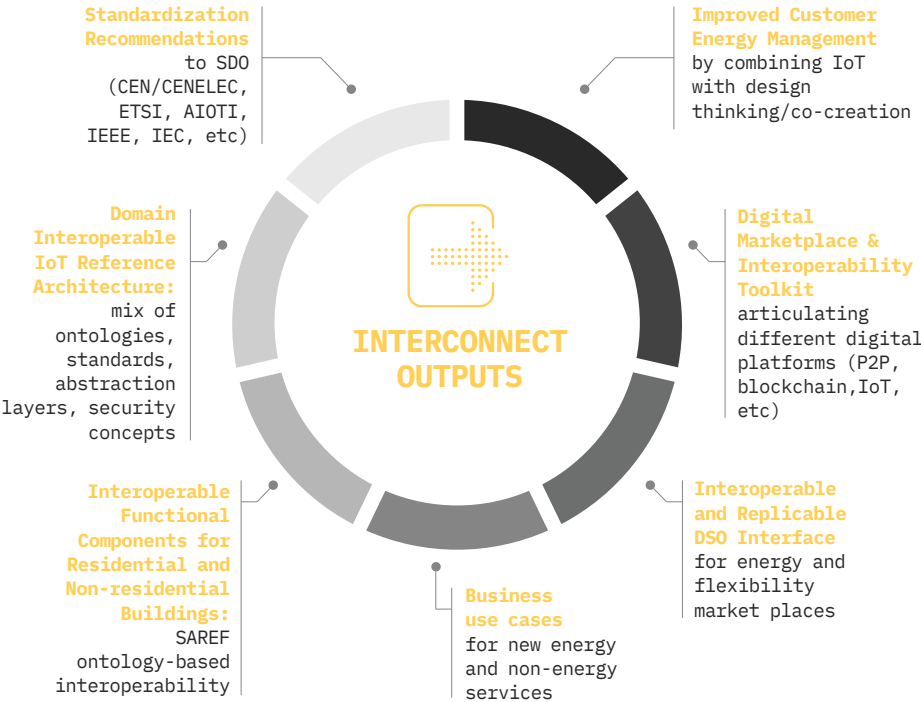
The solutions developed within the scope of InterConnect will allow a digitalisation of homes, buildings and electric grids based on an Internet of Things (IoT) architecture. By including digital technologies (artificial intelligence, Blockchain, Cloud and Big Data) based on open standards, such as SAREF, it will guarantee the interoperability between equipment, systems and privacy/cybersecurity of user data. Energy users in buildings, either residential or non-residential, manufacturers, distribution grid operators and the energy retailers will have the opportunity to take advantage of these solutions.

The InterConnect project will focus on eight major domains: standardisation, ontology, digital platforms, IoT, cloud, electric grid, big data and cybersecurity.

Development of advanced solutions for buildings and electric grid with different objectives:



To produce long-term outcomes



Large-scale demonstration pilots in seven different European countries:

Belgium



Germany



Portugal



France



Netherlands



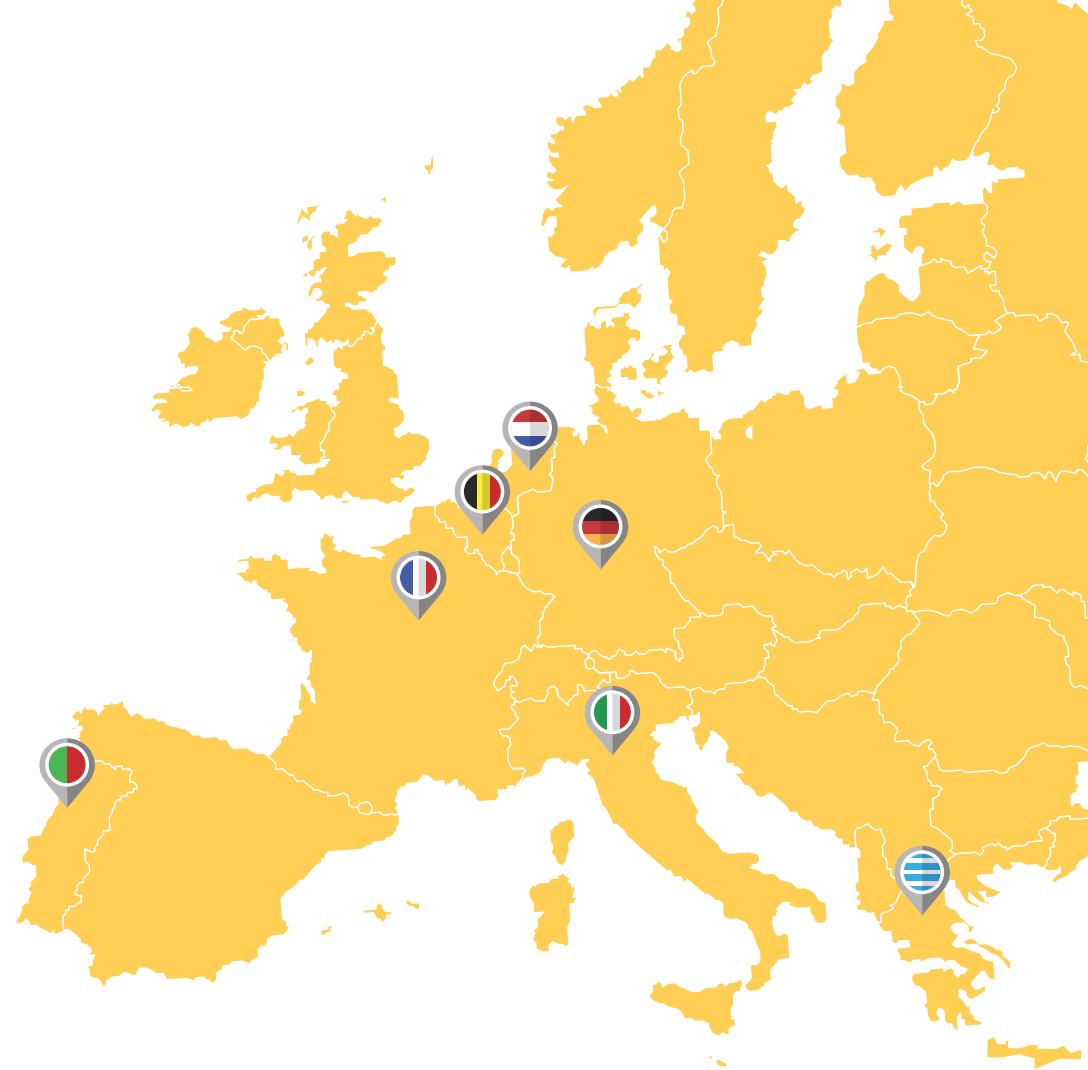
Greece



Italy



Transversal Partners



Greece

Large residential community with smart appliances and EV integration

Germany

Groups of residential buildings and hotels

France

Residential & non-residential, with tertiary buildings and apartments

Belgium

residential and tertiary buildings in communities of multi-energy vectors

Portugal

Residential & geographically widespread tertiary buildings

Italy

Residential social housing

Netherlands

Residential & non-residential buildings

InterConnect 51 Project

Members covering full IoT & energy value chain

R&D

Consultancy

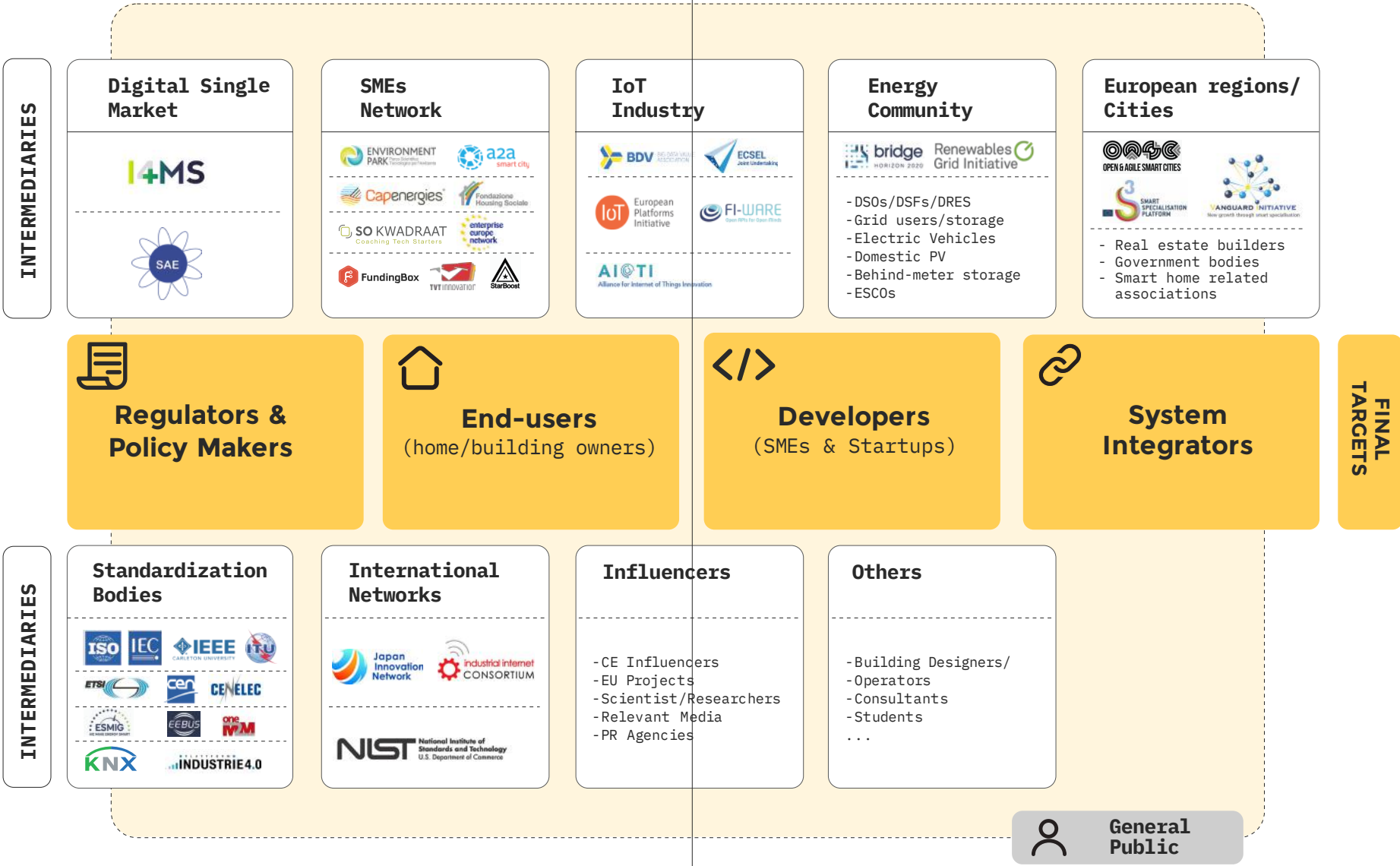
Manufacturers

Associations IoT/ICT Providers

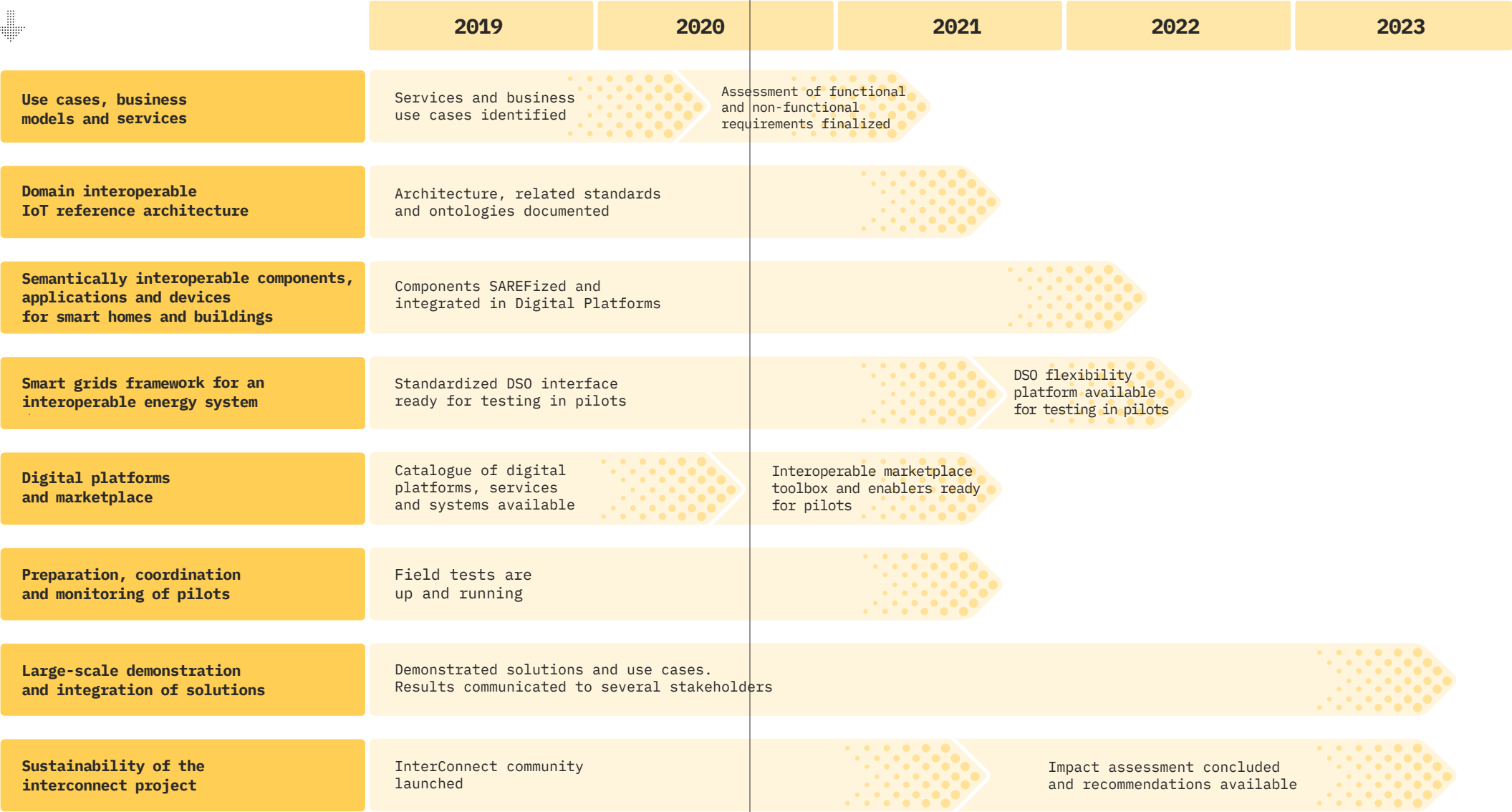
DSOs Retailers

End-User

The InterConnect project outcomes will have an impact to different stakeholders



Our milestones



Cascading

Besides the developments that will be conducted by the 50 partners of the consortium, the project will also foster innovation to expand the ecosystem of players by offering opportunities for entrepreneurs through open calls.

3 open calls will be launched to select 42 innovative bottom-up projects - 14 prototypes and 28 small-demonstrators

The open calls will be launched in 2022. In 2023 the prototypes and small-demonstrators will be executed

FINANCING



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