The MUSE GRIDS project is composed of a consortium of 18 partners from 7 countries from all around the world.

Coordinated by RINA-C, the consortium includes universities, research centres, leading EU companies, and associations active in the energy sector.

MUSE GRIDS

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bridge HORIZON 2020

Member of the BRIDGE H2020 initiative

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MUSE GRIDS

Empowering local energy communities!

About MUSE GRIDS

Launched in November 2018, MUSE GRIDS is a 4-year EU funded project which aims to increase the use of renewable energy resources at a local level through better integration, whilst also reducing carbon emissions.

The project will transform weakly connected areas into local energy communities by creating synergies between different energy systems and networks, but also by encouraging citizens to play an active role in this transition.

To this aim, two large-scale pilot projects will be implemented in different European contexts: a hilltop town in Italy and a rural neighbourhood in Belgium.

MUSE GRIDS will provide solutions to maximise energy independence, improve energy efficiency, reduce operating costs and ensure an affordable energy supply for all.

Two large-scale pilot projects

Three virtual demo-sites

To maximise the exploitation of the concept, several virtual demo-sites will be established, and various social and environmental factors in the different countries will be considered.

The demo-sites will be located in:

India: Off-Grid rural areas.
Israel: City of Eilat - urban and touristic area.
Spain: Energy cooperative in a urban district in Valladolid and a rural area in Palencia.

MUSE GRIDS' four pillars

1. Optimisation and aggregation of grid management systems through multi-energy demand-side management.
2. Multi energy planning for EU cities.
3. Key performance indicator driven demonstration and replication.
4. Engagement of end users in polygenerative energy grids and creation of energy communities.