



Horizon 2020  
European Union funding  
for Research & Innovation



# MUSE GRIDS

## Multi Utilities Smart Energy GRIDS

A research project aiming to promote energy grid interaction towards the development of smart and clean local energy communities.



### Empowering local energy communities!

- Maximise renewable self consumption and energy independence.
- Reduce energy losses in all energy grids.
- Reduce operating costs.
- Ensure an affordable energy supply for all.



### Contacts

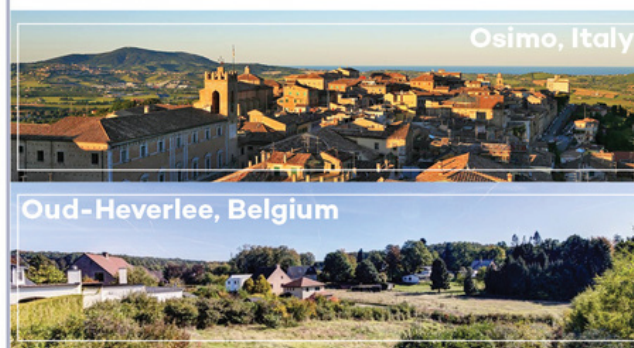
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### Large-scale pilots and virtual demo-sites

Two large-scale pilots will be implemented in different European contexts:

- **Osimo**, a hilltop town in Italy.
- **Oud-Heverlee**, a rural neighbourhood in Belgium.

Virtual demo-sites will be established in India, Israel and Spain.



### MUSE GRIDS research is based around four pillars

- 1** Optimise and aggregate energy grid management systems in a multi energy demand-side management.
- 2** Multi energy planning for EU cities.
- 3** Key performance indicators driven demonstration and replication.
- 4** Engagement of end users in polygenerative energy grids and creation of energy communities.

### MUSE GRIDS smart energy system

