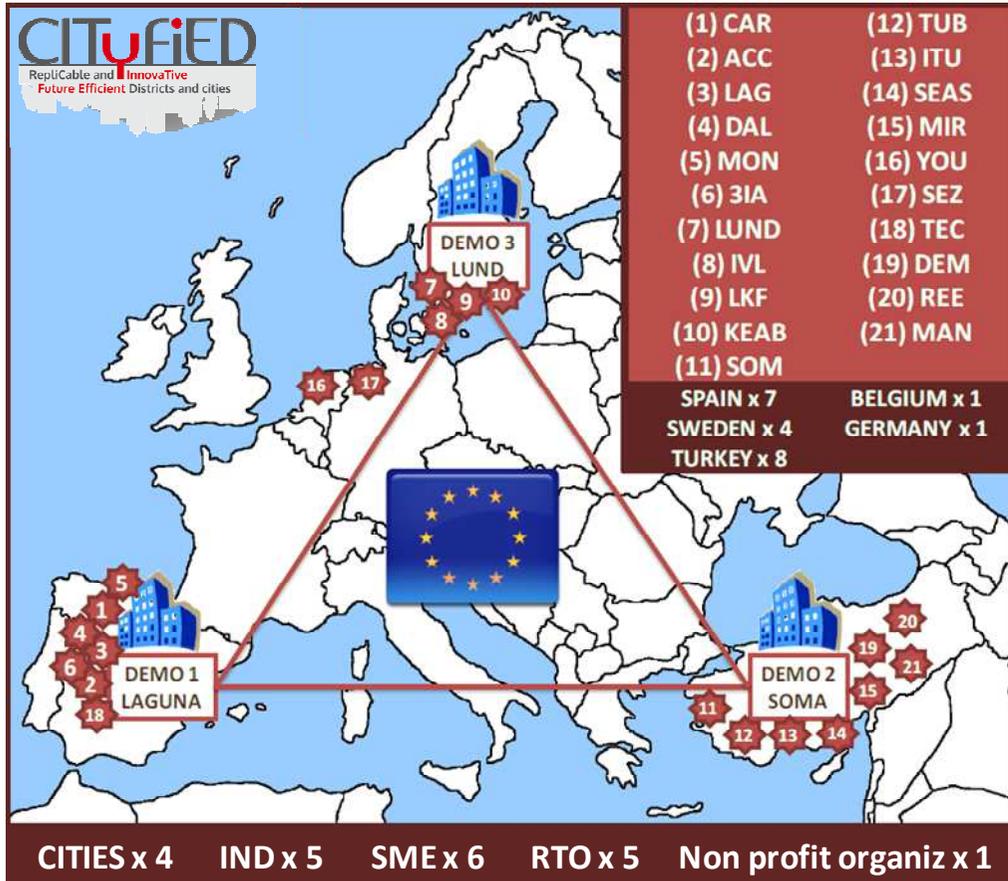


# The Consortium



## FP7 collaborative Smart City project

ENERGY.2013.8.8.1

Collaborative Project – This project has received funding from the European Union’s Seventh Framework Programme for research, technological development and demonstration under grant agreement No 609129





# The demonstration sites

## Holistic interventions at district scale

### LAGUNA DE DUERO

#### Torrelago District

The Torrelago district demo site involves 31 private multi-property residential buildings, each consisting of 12 floors and 4 apartments. The buildings were built between 1977 and 1981. The retrofitting will take place in two phases covering 12 and 19 buildings respectively and involving over 4,000 residents.



- 31 buildings
- 1,488 dwellings
- conditioned area 140,000 m<sup>2</sup>
- 35.58% energy savings
- 59.41% renewable energy sources

#### Energy Efficiency Measures

- Façade renovation
- New district heating (Biomass)
- New pumping system
- Combined heat and power facility
- Smart grid
- Monitoring platform

### LUND

#### Linerø District

The Linerø district is a housing area where the blocks Eddan and Havamal consist of 28 three-level dwellings built in early 1970s. Eddan and Havamal are owned by the public housing company Lunds Kommuns Fastighets AB (LKF). Approximately 2,000 residents live in the demo site.



- 16 buildings
- 379 dwellings
- conditioned area 40,400 m<sup>2</sup>
- 30.8% energy savings
- 75.4% renewable energy sources

#### Energy Efficiency Measures

- Façade renovation
- District heating (RES)
- Photovoltaic integration
- Combined heat and power facility
- Smart grid
- Monitoring platform

### SOMA

#### Manisa Province

The pilot demonstrator district consists of a total gross area of 64,971 m<sup>2</sup>, including 41,158 m<sup>2</sup> which comprises the area involved in the demonstration. The buildings are owned by SOMA Electricity Generation & Trading Joint Stock Company (SEAS) and were built in 1982. Approximately 1,500 - 2,000 residents live in the demo site.



- 82 buildings
- 346 dwellings
- conditioned area 41,158 m<sup>2</sup>
- 49.14% energy savings
- 58.55% renewable energy sources

#### Energy Efficiency Measures

- Façade renovation
- District heating (heat recovery – Soma Thermal Plant)
- Photovoltaic roof integration
- Solar thermal
- Smart grid
- Monitoring platform

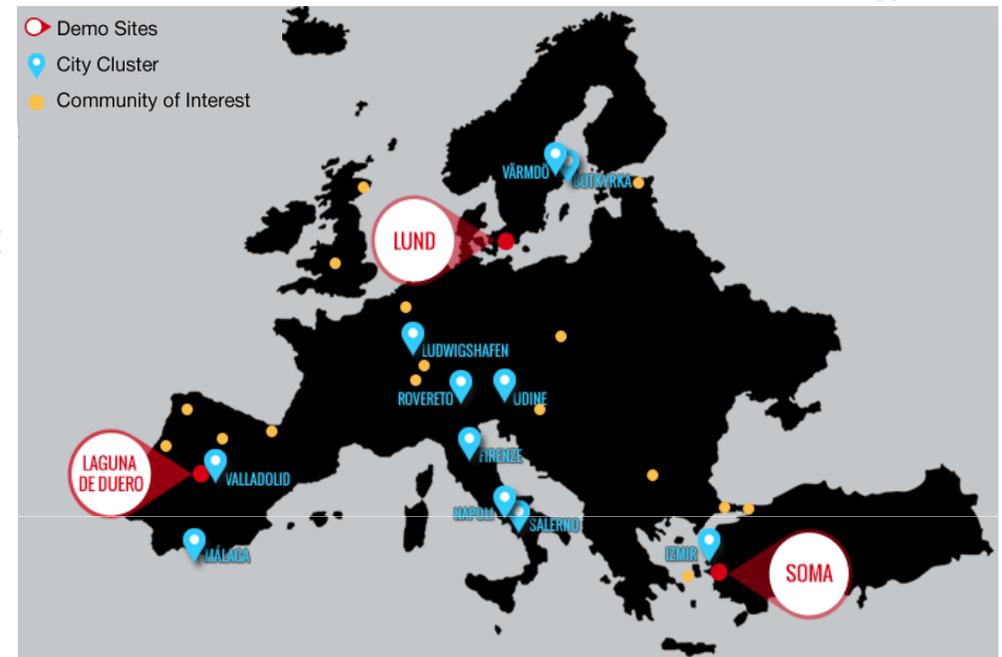
# CITYFiED Community

3 demonstrators, a cluster of 11 European cities and a large Community of Interest: **the CITYFiED Smart Cities network**

The CITYFiED approach to district retrofitting will be tested virtually by **11 European cities** belonging to the **City Cluster**

An additional layer of **40 Cities** to further support the project's replication potential will be represented by the **Community of Interest**.

These cities will be able to benefit from networking activities with other communities and to learn from the retrofitting methodology implemented at the CITYFiED Demo Sites



*Our objective:*

**“Help you get smarter, faster...  
... be a risk-saver, cost-saver, time-saver  
for you and your projects”**

A formula designed to facilitate achieving your energy goals.

Delivered through in-person workshops, study tours and  
online webinars and resources

*CITyFiED Community: a two-fold role...*

**“Represent the interest, needs & problems of cities within the project”**

**“Recognised leadership in the European drive for smarter cities & energy efficiency”**

Provide a link between the CITyFiED project and cities planning district renovations, to maximize replication potential

Exploitation & business models from a local authority point of view: public procurement, methodology feasibility...