



## REPLICATE PROJECT INSIGHT



**Coordinator:** Fomento de San Sebastián (38 partners).  
3 cities: San Sebastián, Florence, Bristol.  
3 followers: Essen, Lausanne, Nilüfer.  
2 observers: Bogota, Guangzhou.

**Budget:** 29,3 millions €.

**5 years (60 months) project**  
Starting date: 01/02/2016.  
Y1-Y2-Y3 Implementation.  
Y4-Y5 Monitorisation.

**Our vision:** To increase the quality of life for citizens across Europe by demonstrating the impact of innovative technologies used to co-create Smart City services with citizens, and prove the optimal process for replicating successes within cities and across cities.

### SCC1 SMART CITIES LIGHTHOUSE

**CALL:** SCC-01-2015 - Smart Cities and Communities solutions integrating energy, transport, ICT sectors through lighthouse projects (big scale demonstrators).

**“Development and validation of a sustainable City Business Model to be replicated in other cities and districts”**

San Sebastián pilot partners:



Transversal support:



RENAISSANCE OF PLACES  
WITH INNOVATIVE CITIZENSHIP  
AND TECHNOLOGY

This project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under Grant Agreement N° 691735

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**DONOSTIA / SAN SEBASTIÁN SMART CITY LIGHTHOUSE**



RENAISSANCE OF PLACES  
WITH INNOVATIVE CITIZENSHIP  
AND TECHNOLOGY

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Donostia / San Sebastián:

186.377 inhabitants

Metropolitan area:

324.511 inhabitants

High quality of life:

gastronomy, culture, sports...  
in a special natural and  
architectural environment.

## URUMEA RIVERSIDE DISTRICT

An integrated strategy aiming for a smart district

- Residential area (Txomin, Antzieta, Martutene)  
+ Industrial Park (Poligono 27) + Green Park (Ametzagaina).
- 200 hectares of surface.
- Industrial Park: over 350 companies and almost 4.500 people.
- Largest green park of the city: carbon sink.

Nearly zero emissions district:  
district branding in sustainability

Enhancing the transition process to a Smart City

- in 3 areas:
- ✓ Energy Efficiency
  - ✓ Sustainable Mobility
  - ✓ ICT/Infrastructures

## MAIN ACTIONS



### ENERGY EFFICIENCY:

**Building Retrofitting:** in 156 dwellings + 34 commercial premises, distributed along 10 doorways.  
**District heating system:** Service to more than 1.500 new properties +156 existing dwellings. Power plant with 7400 kW of power, with two 1400 kW biomass boilers. Environmental benefits: reduction of 35% in primary energy consumption, being over 90% of this energy renewable. CO2 emissions reduced by 85%. Service is to be owned by Fomento de San Sebastián.  
**Demand Side Platform:** monitoring of residents consumption fostering sustainable behaviour.



### SUSTAINABLE MOBILITY:

**Electric buses:** 2 full electric + 2 hybrid buses for line 26 to link the district with city centre.  
**Public EV:** 4 EV and 6 e-motos for municipal fleet.  
**Private EV:** 12 e-taxi + 5 EV distribution fleet through monitoring.  
**Charging infrastructure deployment in the city:** gas stations, parkings, private.  
**Mobility Smart City Platform** and advanced mobility services development.



### ICT & INFRASTRUCTURES:

**Smart City platform** deployment with integrated services.  
**Open Data and Citizen Participation** services.  
**IP services** deployment in Poligono 27 and **high speed connectivity network** deployment for the whole city.  
**Smart Public Lighting** deployment in Poligono 27.



### CROSS CUTTING ACTIVITIES

- Strategic planning, business models and exploitation.
- Replication and scale-up.
- Monitoring.



## THE DISTRICT: URUMEA RIVERSIDE DISTRICT



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