- Santander Smart City Factsheet -

Due to the great growth of urban areas during the last decades, cities are facing new expansion problems while, at the same time, citizens demand new services as well as a more environmental friendly city. In that sense, two platforms from the **city of Santander** are federated within **FESTIVAL**, providing multiple datasets to experiment with:

- The **Santander Open Data Platform,** that provides underline official and public data, in exploitable formats (JSON, CSV, HTML, RDF, RSS,…), to be used mainly to develop new services or giving added value to the existing ones.
- The **SmartSantander testbed**, that provides real-time data from multiple sensors deployed in the city (fixed, deployed in lamppost, or mobile, deployed in buses, taxis, etc.). These data are accessible through a subscription-based fashion that provides the latest measured values.

Santander Open Data Platform + **SmartSantander testbed** = **Experimentation as a Service platform**

Transportation

- Traffic measurements.
- Traffic cameras.
- Outdoor car parking lots (including those for PMR).
- Motorbike parking lots.
- Underground parkings.
- Taxis (ranks location & status).
- Bikes (parking lots location & status).
- Municipal Buses (stops, routes,…).
- Regulated parking area (og).

Urban planning & Infrastructures

- Urban sections.
- Urban districts.
- Gardens (geographic location)
- Parks (geographic location)
- Touristic buildings.
- City street guide.
- Water management (og).
- Waste management (og).
- Energy management (og).

Shops

- Shops.
- Location.
- Timetable.
- Offers.
- Fairs.
- Pictures.
- Markets.

Culture & Leisure

- Monuments.
- Museums.
- Cinemas.
- Cultural agenda.
- Work calendar.

Science & Technology

- Traffic and parking sensors.
- Environmental and Irrigation.
- Mobile sensors.
- Indoor location sensors (og).

Environment

- Mobile sensors (particles, NO2, CO, temperature,..).
- Environmental sensors (temperature, light, noise).
- Irrigation sensors (humidity, ground temperature).
- Beaches.

Tourism

- Hotel & restaurant services.
- Tourism Offices.
- Points of interest.

- **Is your experimentation dealing with Smart City Infrastructure (SCI)?**
- **Do you need more info about your country specific SCI considerations?**
- **Do you want to find more guidelines and factsheets on IoT experiments?**

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