The GeoSmartCity Application Scenarios

The Green Energy scenario is strictly related to the Covenant of Mayors. Together with Transportation, Energy performance of buildings represents the main focus of the overall scenario. Buildings are indeed one of the main CO2 emission sources to be considered by Municipalities and other Public Authorities aiming to reduce the overall amount of energy needed at urban level.

In the case of the Underground scenario the common thread has been the focus on the improvement of the efficiency of the underground network management (mainly in terms of integration of resources from different actors) and the citizen involvement (crowdsourcing mobile apps). The use cases of this scenario refer to real operative tasks using underground data that take advantage of this integrated work environment.

The GeoSmartCity Pilots

Green Energy Scenario

- **Reggio nell’Emilia**, Italy
  Specialized services for integration and harmonization of buildings energy consumption data

- **Maroussi**, Greece
  Collection of geo-referenced information about building data, green energy production and energy consumption

- **Turku**, Finland
  Supporting the reduction of traffic emissions through “green” routing and parking applications

- **Girona**, Spain
  Supporting and promoting bicycle mobility through open data provision and routing functionalities

- **Oeiras**, Portugal
  Specialized services for energy performance, emissions estimation and Solar potential calculation

Underground Scenario

- **Comarca de Pamplona**, Spain
  Integrating in the GIS existing platform real-time information from SCADA system using smart sensors, standard SOS and EPANET models

- **Genova**, Italy
  Integrated management of the utility networks and use of mobile client for data management and field works

- **Flanders region**, Belgium
  Mobile application for consulting and tracing the sewage network with a crowdsourcing tool

- **South Moravian region**, Czech Republic
  Mobile crowdsourcing app to report problems on the underground infrastructure and Augmented Reality

- **Ruda Śląska**, Poland
  Integrated WebGIS platform giving the ability to verify/update basic information on the underground networks

- **Oeiras**, Portugal
  Implementing an event management platform (ruptures in water network) based on a mobile crowdsourcing app