It-It GeoSmartCity



Open geo-data for innovative services and user applications towards Smart Cities

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.

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The GeoSmartCity Pilots

Green Energy Scenario











Silva current transformer to the second to t

Girona Spain

Supporting and promoting bicycle mobility trough open data provision and routing functionalities.

Oeiras Portugal

Specialized services for energy performance, emissions estimation and Solar potential calculation.

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 trough "green" routing and parking applications

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.

GISIG - Geographical Information Systems International Group www.gisig.eu

