Mappa Nuovo Impianto

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DBM - Database Build and Management
SETTING UP DATABASE AND MANAGEMENT TOOLS

Science is built up of facts, as a house is built of stones; but an accumulation of facts is no more a science than a heap of stones is a house (Jules-Henri Poincaré).
The purpose of the services offered in the DBM package is to provide the data with a structured form, thus enhancing their usability and sharing, which is simplified by some management tools that allow for a ready analysis.
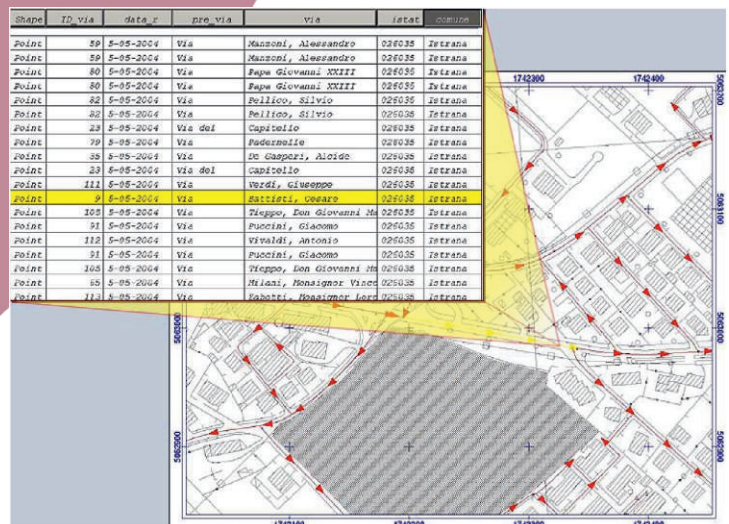
Services provided:

- **Collection and reorganization of database already available** from official sources or existing at Territorial Local Authorities;

- **Data collection services "on the field"**, also through high-performance systems;

- **Correlation of information** bases and correlated themes, **construction of the uniformity of codes used**;

- Building of the support structure to the **geographical correlation of objects or of referenced events through LRS methods (Linear Referencing System)**, also based on different unit of measurement reference points. LRS methods coupling to a geographical location;

- **Relational database structure design** for data management, in relation to the objectives of the project and data entry. Can be used both **for commercial database or available with free licenses** (Oracle, PostgreSQL/Postgis, MSAccess,....);

- **Design of Information Systems**, i.e. set up of schemes, procedures and software for the collection, management and distribution of data;

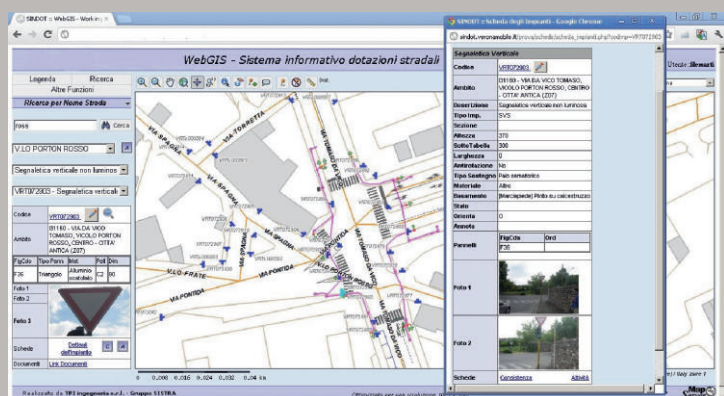- **Support for the choice of the most suitable tools** (commercial or open-source) for data processing, in relation to the objectives of the project.

Products provided:

- **Feasibility and design studies of I.S.** with particular reference to the sectors of road condition, mobility, road and territory safety;

- **Thematic database** collected on the field or coming from the organization of existing data;

- **Tools accessible via web browser** for a quick data management, distribution, querying and even cartographic **(WebGis)**.

Related packages:

TMA - Traffic Monitoring and Analysis
DBM - Database Build and Management
RNM - Road Network Manitenance
ESS- Easy Survey System