INTEGREEN

- European LIFE+project
- Real-time “green„ traffic policies in the city of Bolzano

- Deepen the relationship between road traffic and environmental impact in the city of Bolzano.

- How is it possible to **actively reduce the environment-related inefficiencies** in real-life urban travels through **modern communication technologies**, including in-vehicle ones?

- And how can this information «dimension» be **integrated in practice** in daily traffic management and planning activities?

Città di Bolzano
Stadt Bozen

innovation park

TOMORROW TODAY

- Create a **demonstrative system** for the Municipal Mobility Management Centre of the City of Bolzano that aims to **provide the public authorities** as well as **local travelers with distributed and correlated traffic and air pollution information**.
- Thanks to this, local authorities will be in the condition to **improve their urban traffic management and control strategies**, and thus to minimize the impact on the environment caused by traffic, while local travelers could be in the condition to plan and carry out urban trips in a more aware way.

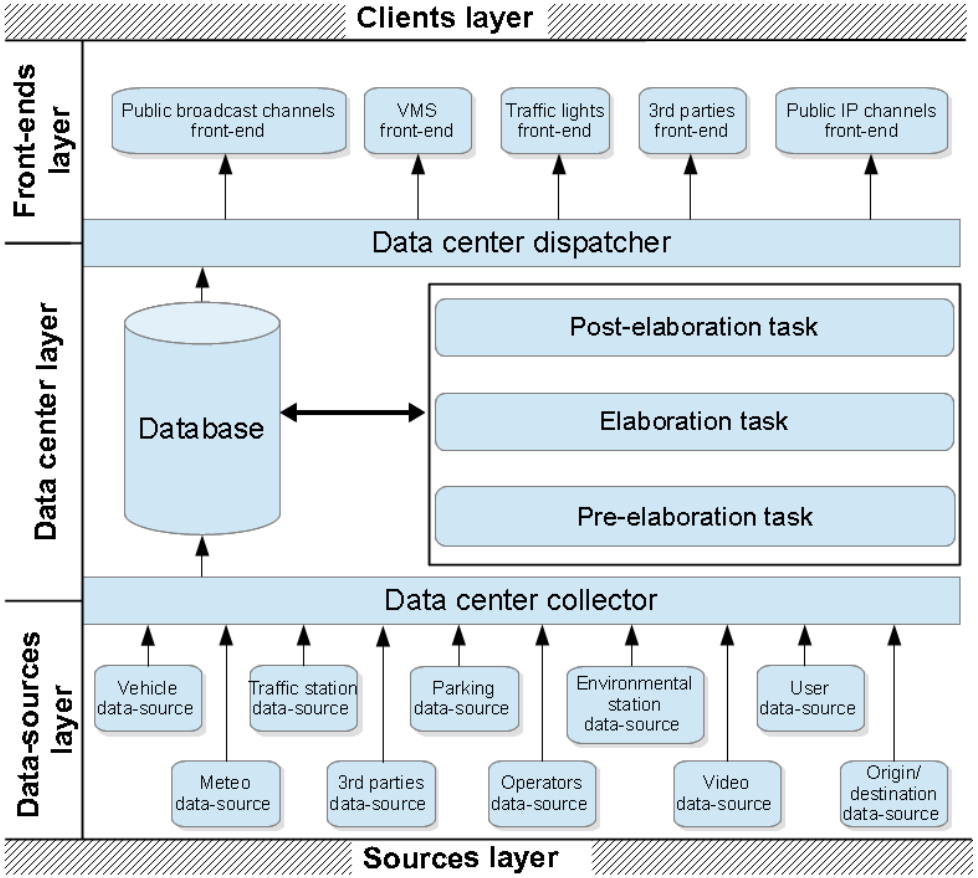
- The environmental impact of the project on the local population will be amplified through dedicated actions, including an **awareness-raising campaign for improving individual drivers' behaviors** and habits.

The INTEGREEN Centre Architecture

- **Front-ends layer**
- Data & information publication (B2B approach)
- Actuation systems remote control

- **Data center layer**
- Spatial data storage, validation, elaboration (e.g. aggregation) and post-validation

- **Data sources layer**
- Data collection from multiple, external sources



The INTEGREEN mobile System: xFCD

- Position
- Heading
- Speed
- Acceleration
- Pedal position (accelerator, break, clutch)
- Vehicle setting (air condition, blinker, clutch, …)
- Operating conditions (engine speed, …)
- And environmental conditions (temperature, AIR QUALITY, ...)