



Geoinformation services based on EO for agriculture, environment, and land management













SAtellite Applications for UrbaN Mobility (financed by EMMIA/CE). Coordination by

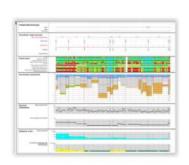


Intelligent Transport

4 demonstrators

- Road infrastructures safety & maintenance
- Heavy Goods Vehicles movements
- Urban atlas for urban policy decision making
- Transport infrastructure monitoring

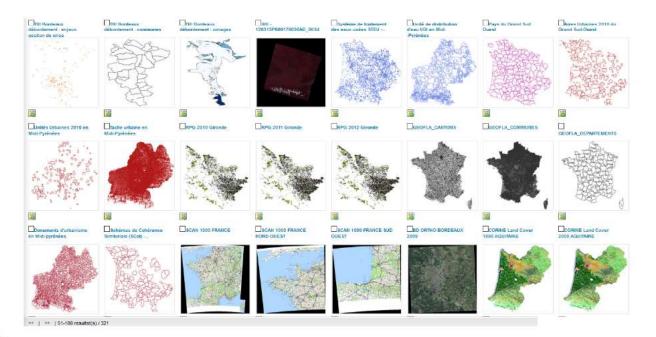




Data sources

Geo localized / geo referenced data sets

- Bordeaux Metropolis
- Open Street Map
- Copernicus Core Services
- Copernicus datawarehouse
- Several INSPIRE sources at regional + national level
 - · Aquitaine Region, Météo France, IGN, BRGM, DREAL etc



More than 300 layers available



Spatial Data Infrastructure













Advanced web map viewer + editor + data extractor









Great ...

Increasing and abundant offer / many data sources of different kinds

Use of standards (OGC/INSPIRE) is more and more ... the standard

Some great effort made on the data access through easy-to-use web sites

Quality / reliability of the data











Orthoimagery





Statistical units



Buildings





Land use



Human health and safety



Geographical grid systems



Environmental monitoring fa.



Production and industrial fac.

Utility and governmental ser.



Agricultural and aquaculture.



Area management/restrictio.



Natural risk zones



Geographical names



Bio-geographical regions



Habitats and biotopes



Species distribution



Energy resources



Mineral resources



Administrative units





Cadastral parcels



Transport networks



Hydrography 59





... but

Still many data sets are not available in common GIS formats and/or through standard protocols ("discovery/ harvesting" sometimes cumbersome)



Authentication sometimes needed (token/key)

Data sets exist ... but are not published!

Complexity of licensing for non-specialists (OdBL, CC, GPL, etc). "Can I use this data for commercial purposes?"

Reliability of the originator not always proven

Fake Open Data (freemium)



Conclusions

INSPIRE = a growth enabler for SMEs

Improve or create new services with a sustainable economic model

Use of an INSPIRE-compliant SDI highly recommended (harvest, store, catalog, view, extract, share)

Licensing can be real issue for non-specialists

SATURN experience fully reused with the EC FabSpace2.0 project (https://www.irit.fr/FabSpace/)



