



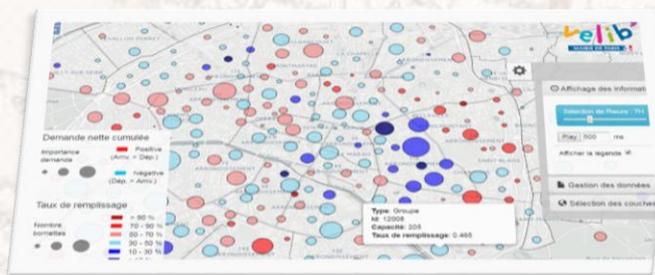
Quadratic is a Belgian consulting company specialized in the **geospatial** data sciences

We provide expertise and services in **Geographic Information Systems** and **Earth Observation**



Thanks to geodata, you can for instance...

- » Refine your business strategies based on objective information
- » Find the strategic and ideal positions for your infrastructures
- » Predict and schedule agricultural yields
- » Map forest stands and monitor forest interventions
- » Facilitate the maintenance of your utilities networks (energy, roads, ...)
- » View your data on efficient thematic maps



AgriMap Editor



Geographic Information Systems (a.k.a. « GIS »)

Geographic Information Systems, a.k.a. **GIS**, are information systems built to collect, store, display, analyze, process and manage all kind of spatial and geographical data.

These tools allow us to deal with your geodata and extract high value-added information using geoprocessing techniques.



- » We manipulate and analyze your geodata with GIS desktop software (**QGIS**, **GRASS GIS**, **SAGA GIS** or **SNAP**)
- » We store and organize your geodata for convenient uses in spatial databases (**PostGIS** or **Oracle Spatial**)
- » We transform, load or extract your geodata with translator libraries (**GDAL/OGR**) allowing to deal with almost all vectorial and raster formats
- » We expose and distribute your geodata through interoperable web services using servers (**GeoServer**)
- » We display and highlight you geodata through interactive web maps and applications (**OpenLayers** or **Leaflet**)

Earth Observation (a.k.a. « EO »)

Copernicus, the European Program dedicated to **Earth Observation**, gives us the opportunity to highlight land-use changes, manage forest, monitor agricultural areas, measure ground deformations, track sea ice...

It is a very reliable remote sensing source with an excellent temporal resolution: data and images are available for geoprocessing just a few days after their acquisition.



- » We use **Sentinel-1's C-band radar data**, that allow collection regardless of the weather or the time of day
- » We use **Sentinel-2's multi-spectral imagery**, that have a versatile set of 13 spectral bands spanning from the visible and near infrared to the shortwave infrared
- » We do **Image Interpretation** by examining, identifying and analyzing features such as vegetation type or anthropogenic features like roads or mineral extraction activity