

Earth Observation for the Regions

2016-2019

Axe(s)

Space Appl. & Systems

Industries

Spacebel
I-Mage Consult
NRB

Research Bodies

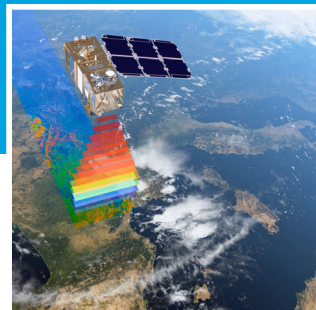
ULg
Ecole Royale Militaire

Total Budget

1,7 M€

Type

R&D



Taking advantage of ambitious ESA programs such as the SENTINEL European mission, the SW_EOREGIONS project's main objective is to develop a range of innovative services in the field of Dynamic Territory Monitoring. Those services will target both professional (experts) and non-professional users.

In order to reach this objective, the project must:

- Setup an infrastructure for data storage and analysis (of BIG DATA type);
- Develop new methodologies and services linked to SENTINEL data (such as change detections, floods, etc.);
- Develop new skills to deal with incoherent data in order to compute services accuracy and ensure safe and correct use of the data;
- Develop a proper data structure that ensures fast and efficient data mining for exploitation by non-expert users;
- Share and reuse of data and services based on innovative business model that should allow low cost data handling for low cost Earth Observation;
- Use existing or available geospatial data on the GeoGateway (tool that will be developed and used for commercial services).