

Transversal competencies



VisioTerra is a SME specialized in Earth Observation. The ambition is to offer solutions and geoservices to the widest audience (scientists, public authorities, NGOs, companies, citizens) enabling an easy use of satellite data. VisioTerra is a member of the Copernicus Academy.

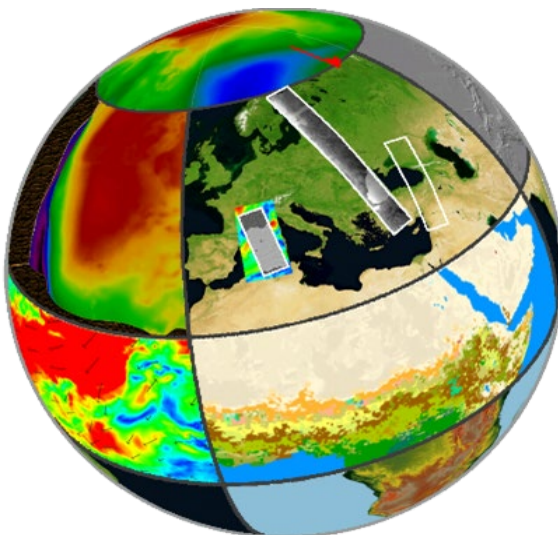
COMPETENCIES & CAPABILITIES

VisioTerra engineers and doctors have skills in computer and geographic sciences. A part of the team is focused on software developments and another on thematic services.

Thanks to the mix of these skills, VisioTerra was able to develop the **FLEGT Watch** service dedicated to the monitoring of the forests in 8 African countries. This service, funded by EU, analyzes Sentinel-1/2 data and sends alerts to the users (rangers, parks managers, independent observers) each time deforestations are detected in order to avoid illegal logging.

For the automatic analysis of detected events, VisioTerra has developed skills in **AI** and especially in **machine learning**.

Thanks to its in-house infrastructure (storage 1PB, 1GB/s symmetric fibre), VisioTerra can act as a **Data Processing Relay** between data providers such as ESA, USGS, CNES, JAXA... and end-users.



VisioTerra

PRODUCTS & SERVICES

VisioTerra offers 5 main activities:

- Software developments supporting “**geoservices**”
- Scientific consulting
- Spacemaps production
- Training
- Communication

VisioTerra own platform called **VtWeb** is an **advanced solution of visualisation and processing of free Web data**: satellite data, weather, climate and bio-geophysical data, LU/LC maps, DEM/DSM...). The VtWeb users can access to this great variety of data, process them on-the-fly, visualise them in 2D/3D in all Web browsers, share and export the selected data in GIS.

VisioTerra develops **VtDaws (Detection and Warning Services)** for Agriculture, Forestry, Water Management and Oil&Gas sectors. The objective is to automatically monitor areas, detect events (e.g. hydric stress of the plants, deforestations, obstructions to the navigability, offshore oil spills), and send warning/alerts and informative dashboards.

MAJOR SPACE PROJECTS & REFERENCES

- **ESA Scientific Missions**: VisioTerra has derived from VtWeb the systems for the processing and the visualization of data acquired by the **CryoSat, Goce and Swarm** satellites.
- **ESA & CNES**: Development of HEDAVI (HEritage DATA of **ERS** and **Envisat** satellites) for **ESA** and **SPOT** World Heritage for **CNES**. These systems allow the visualization of past missions data.
- **Copernicus**: use of all the **Sentinel** and **Copernicus Services** data in the offered **geoservices** and software systems described above.
- **Sentinel Vision Service**: Daily edition for **ESA** of the “**Sentinel** of the Day” and “Event Sheets” showing the potential of **Sentinel** images and altimeter data. Design of thematic galleries.
- **Detection of fires and burnt areas** in Sudan and Chile using the data of **Proba-V** satellite.

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TURNOVER 0,6 M€

WORK FORCE 13

SPACE TURNOVER 0,6 M€

SPACE WORK FORCE 12