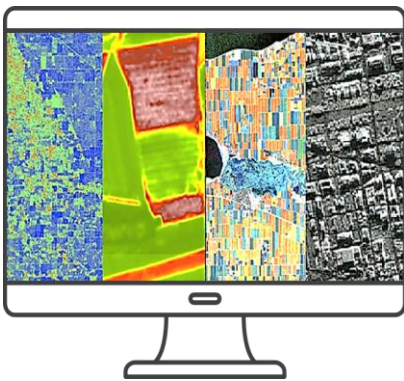


# SATELLITE DATA ANALYSIS PLATFORM

In the current era of big spatial and EO data, there is a need to properly deal with this vast amount of data to develop meaningful maps.



ARATOS-SYSTEMS SATELLITE DATA ANALYSIS PLATFORM provides intuitive programming libraries to process a wide variety of earth observation datasets. This large-scale data access and processing is performed on multiple infrastructures, which all support API. This allows large-scale production of EO-derived maps and information.



ARATOS-SYSTEMS SATELLITE DATA ANALYSIS PLATFORM is the Ideal Tool for:

- **Analyzing Satellite Data from all available commercial and open sources**
- **Near Real-Time Information**
- **Planning, prevention and damage assessment**
- **A Geointelligence Platform providing timely alerts**
- **Data Fusion from Space – Air – Ground**
- **Low Cost, Effective Solution (now also available as a service)**
- **Easy to use by experts and non-experts**

Collects and processes **satellite data** from:

- EumetSat
- MSG
- Metop
- Sentinels 1,2,3
- NASA (USGS)
- EMSC
- Copernicus

ARATOS-SYSTEMS SATELLITE DATA ANALYSIS PLATFORM is suitable for:

Burnt Area & Dry Matter Productivity  
Fraction of Absorbed Photosynthetic Radiation & Vegetation Coverage  
Leaf Area Index & NDVI  
Soil Water Index & Surface Soil Moisture  
Land Surface Temperature & Albedo  
Snow cover & Snow water equivalent  
Live notification alert of earthquakes & Fires  
Land Cover & Land Use, and Fuel map  
Ocean concentrations (chl<sub>a</sub>, dissolved Iron, Nitrate, Oxygen, Phosphate)  
Maritime monitoring pollution