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Rheticus®

Automatic cloud-based geo-information service platform for territorial monitoring

Geospatial information is today essential for organizations and professionals working in several industries.

More and more, huge information is collected from multiple data sources and is also free available to anyone as open data.

Rheticus® is an automatic cloud-based geo-information service platform, designed to deliver fresh and accurate data and information on our changing world.

Perfectly fits your needs

Rheticus® provides timely information that fits the needs of a growing number of business (applications). The information is provided as a service and includes maps, reports and geospatial indexes, designed to monitoring several phenomena.

Applications and services available

Territorial changes, urban dynamics and land use changes, ground displacements, landslides and infrastructures stability, new infrastructure and construction areas, wildfire burned areas or coastal sea waters quality.

Fresh worldwide information

Accessing directly to open data images (i.e. Copernicus Sentinel, Landsat 8 satellites), cartographic data and environmental information, Rheticus® provides timely information over the chosen area. Depending on the application, the service is provided on a monthly up to a daily base.

Accessible 24h multi-platform service

Subscribed users can access the information from multiple devices, such as personal computers, tablets & smartphones. Once logged in, users access to a personal area which consist of a dashboard designed to display summary information and user friendly analysis tools, which opens users to a complete set of information over the phenomena.

Accurate information at the lowest cost

Rheticus® guarantees always the best quality-price ratio available on the market, thanks to the use of open data, automatic processing procedures and its cloud based architecture.

How to buy

The Rheticus® platform is accessible to subscribed users. To subscribe and activate the service you are only asked to specify:

- Which geoinformation service
- Your area of interest (on the cartographic base)
- Starting date and duration of the subscription



Rheticus® services

Rheticus® is a cloud-based data and services hub able to deliver products by imagery and geospatial information.

It provides knowledge in short time, automatically and cost/effective, shared through maps, reports and indexes.

Characteristics

- Integration towards external data sources like Open Data and Sentinels Data Hub
- Ability to calculate geospatial indicators generated as results of the knowledge about a given geographic area
- Involvement of the users as part of the elaboration process
- Accessibility as cloud service

Service	Products	Focus	Update	What is it for?
Rheticus@Displacement	Landslides Subsidence Infrastructures stability	Landslides, subsidence, infrastructures as buildings, roads, railways	Weekly	Landslides identification and monitoring for infrastructures planning and management
Rheticus@Marine	Chlorophyl Map Surface temperature Map Turbidity Map Fishing area	Coastal seawaters quality Mapping of marine areas with high fishing rates.	Daily	Marine water quality monitoring, turbidity, chlorophyll and sea temperature
Rheticus@Wildfires	Burned Area	Burned area mapping and detection of illegal land use changes	Monthly	Mapping and monitoring over the time of burned area
Rheticus@UrbanDynamics	Urban Change Infrastructure Building SoilSealing	Monitoring the dynamics of urban areas to identify the anthropic changes such as the construction of new infrastructures, works and urban settlements. Soil sealing	Monthly	Land cover monitoring



Planetek management system is certified ISO 9001 and compliant to the European Association of Remote Sensing Companies (EARSC) guidelines defined for the provision of remote sensing services.

