

SENTINEL MADE SIMPLE

A stand-alone tool by GEOSYSTEMS for automated downloading and processing of Sentinel-1 and Sentinel-2 data



The Sentinel satellites, specially developed for Copernicus, continuously deliver radar data (Sentinel-1) and optical data (Sentinel-2) since 2014 with high coverage rate. Sentinel Made Simple (SMS) by GEOSYSTEMS enables operational download and fast processing for Sentinel-1 and Sentinel-2 data.

SMS is a robust, resource-friendly and autonomous procedure, to build up regional and time-controlled Sentinel archives. In addition, appropriate products can be integrated in a processing chain.

SMS can be used as a standard product or customized according to your needs.

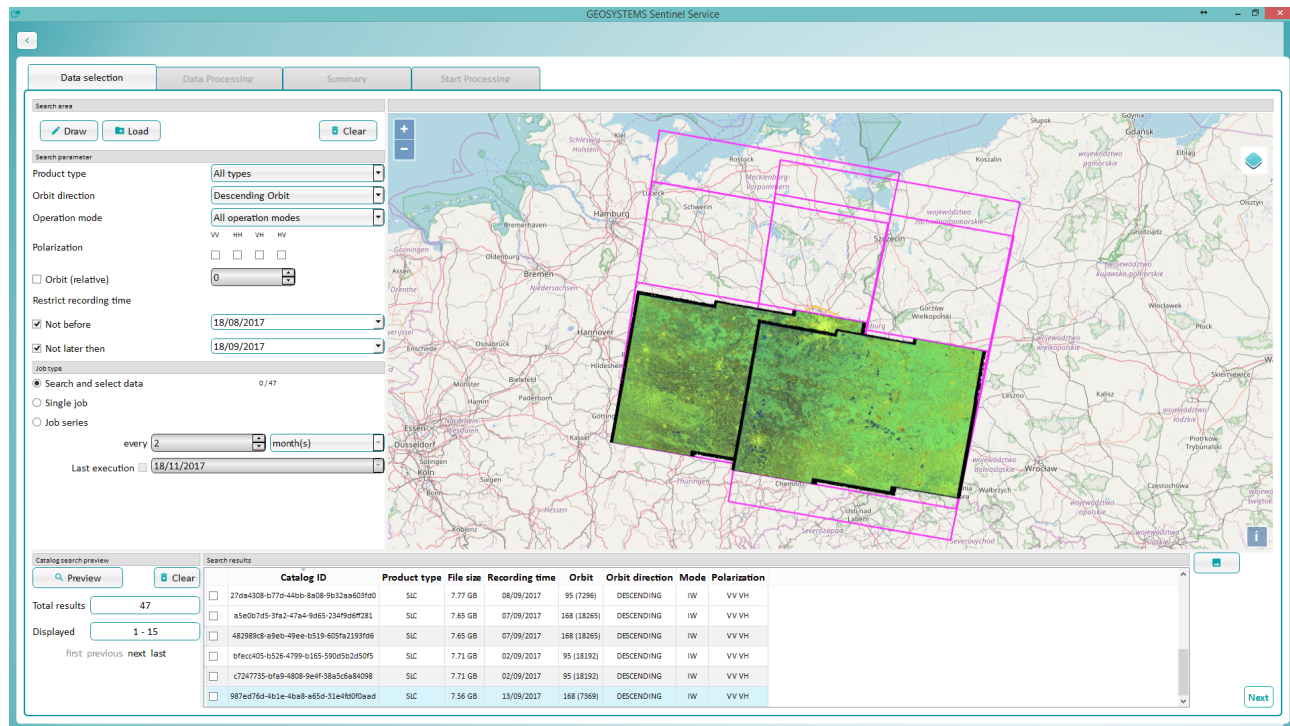
Highlights

- User tailored data download.
- Individual search for an area of interest, a time frame (e.g. vegetation relevant products) and the consideration of cloud cover of Sentinel-2 data.
- Fully automatized data search, download and data preparation in the background.
- Fully automatized compensation of temporary transfer problems or server outage.
- Fast available and automatized products: cloud-minimized mosaic for the set time frame, a cropped mosaic for the set area of interest, uniform cloud mask, a "pixel-history-layer" based on the cloud mask.
- Configure & forget – autonomous processing in the background.
- Suitable for all who regularly download Sentinel-Data and derive products.
- ERDAS IMAGINE user can implement Spatial Models into the processing chain and directly process the final products further.
- Delivery of final products as file or web service.



Sentinel Made Simple

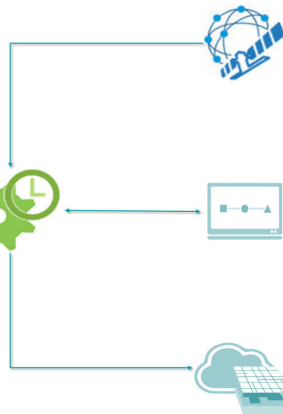
Job configuration for Sentinel-1 data



Client



Windows-Service



Download of Sentinel data according to time frame and area of interest: <https://scihub.copernicus.eu>

Customized image analysis and GIS processing (Spatial Modeler)

Management and distribution as web service (together with ERDAS APOLLO)

Sentinel made Simple – Configure and Relax!.



GEOSYSTEMS is a software vendor and service partner for geospatial solutions and helps public authorities, private companies and educational organizations to easily transform location-based data into actionable information. As Hexagon Geospatial platinum partner, GEOSYSTEMS offers not only leading-edge products for remote sensing, photogrammetry, GIS and data management, but also Hexagon Smart M.App solutions for easy-to-use dynamic map experiences. In addition, GEOSYSTEMS develops customized applications, implements tailor-made workflows and provides excellent trainings. GEOSYSTEMS GmbH, Riesstraße 10, 82110 Germering, GERMANY
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