


## SENTINEL HUB

Sentinel Hub provides high resolution satellite imagery and image processing services for analysis and to support Geographic Information System (GIS) and other mapping and research applications.


Watch showcase videos to find out more about Sentinel Hub services:


 [goo.gl/BWSr1l](https://goo.gl/BWSr1l)

In case you would be interested in adding some value added services to the data, please contact us:

**Sinergise, laboratory for geographical information systems, Ltd.**

Cvetkova ulica 29, 1000 Ljubljana, Slovenia

 **email:** [info@sinergise.com](mailto:info@sinergise.com)

 **phone:** +386 [0]1 320-61-50

 **web:** [www.sinergise.com](http://www.sinergise.com)

## ABOUT SINERGISE

Sinergise is an IT company focused on the development of large-scale GIS applications. Our core business is supporting governments from across the world efficiently manage their agricultural and land administrative processes. Our solutions are being used by hundreds of thousands of users requiring cutting-edge technology for the effective distribution and management of spatial data.

Our R&D department is working on improving not just the technical means of data distribution but also on the applicability of earth-observation techniques in the process. We cooperate with several research projects focused on automatic satellite imagery processing, change detection, agriculture monitoring, disaster response and more.

With Sinergise, it is not just about the software, it is also about field knowledge and effort to do whatever is needed for a project to be successful. The growing number of satisfied clients testifies to the quality of our integrated approach.

Sinergise's clients across Europe:



Discover more on [www.sentinel-hub.com](http://www.sentinel-hub.com)



SINERGISE

# SENTINEL HUB

The next generation  
of satellite imagery service

[www.sentinel-hub.com](http://www.sentinel-hub.com)

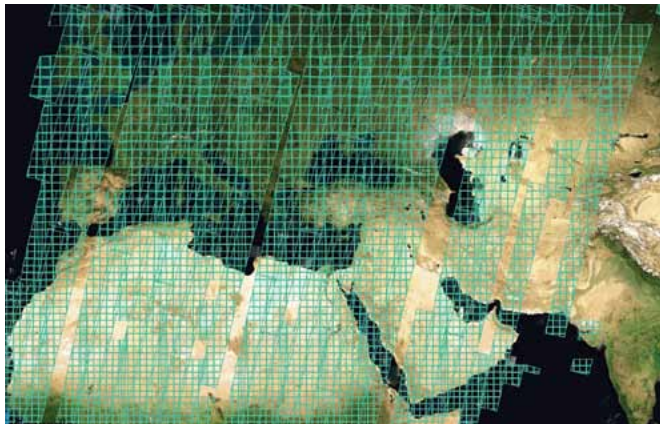


Sentinel-2 imagery brings land into focus.

## SENTINEL DATA - NEW OPPORTUNITIES AND NEW CHALLENGES

Earth observation data provided by the Sentinel satellites are revolutionizing the market of space applications. Sentinel-2A is producing thousands of high resolution scenes every day for almost a year now. These data are now openly accessible and Sentinel Hub service can provide you with high resolution imagery almost instantly after they are made available.

The Sentinel-2 290km wide swath allows any part of earth surface to be revisited frequently. Mission provides a global coverage of the Earth's surface every 10 days, producing data of great use for several sectors - agriculture, environmental and land-change monitoring, natural disaster response, insurance and others.



Mission provides a global coverage of the Earth's surface every 10 days.

Sentinel data provided by Copernicus program and ESA is freely available to anyone and *Sentinel Hub can help you get real-time satellite imagery seamlessly to your application.*

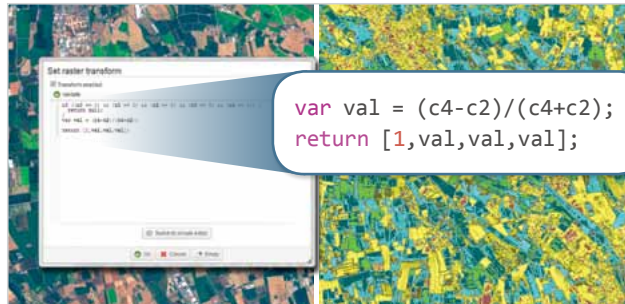
## SATELLITE IMAGERY INFRASTRUCTURE

Sentinel Hub's service-oriented satellite imagery infrastructure takes care of all the complexity of handling satellite imagery archive and makes it available for end-users via easy-to-integrate web services.

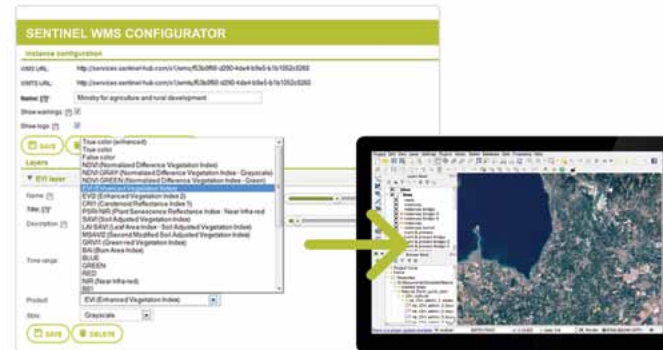
Our approach combines cloud-based GIS technologies, parallel processing and fully automated procedures. To support the fast developing EO field we provide tools directly to end-users. On-the-fly processing and visualization make it possible to build new products (e.g. vegetation indices and similar) in a matter of minutes.

### The main features of the system:

- ◆ global coverage
- ◆ full historical archive of multi-spectral data
- ◆ WMS and WMTS for easy integration
- ◆ full resolution preview over the web
- ◆ time-lapse functionality
- ◆ time-series statistical analysis tools for an area or point of choice
- ◆ script-based on-the-fly definition of new products
- ◆ reprojected WMS services for the integration into 3<sup>rd</sup> party tools



Definition of new EO products on-the-fly with a simple scripting language.



Powerful WMS features such as historical data, cloud coverage filtering, advanced styles, etc.

## HOW TO ACCESS DATA?

You can access the data either through your favorite GIS application using Web Map Service, which can be integrated in any off-the-shelf GIS application (such as Q-GIS, ArcGIS, OpenLayers) or within our cloud GIS engine, **Geopedia**.

Geopedia is an ideal platform for sharing, managing and analysing spatial data with a large number of users. It supports:

- ◆ importing and exporting vector data in many formats
- ◆ powerful visualization settings
- ◆ 3D view
- ◆ offline smartphone data editing, useful for crowd-sourcing
- ◆ re-use of existing datasets within the platform
- ◆ sharing personal datasets with others
- ◆ inclusion of WMS data sources
- ◆ can be integrated into 3<sup>rd</sup> party websites
- ◆ image processing and analysis techniques
- ◆ **and now also Sentinel imagery archive**

### Geopedia makes it easy to archive, process and distribute satellite imagery



The most common views are already implemented:

- 1 True colour image
- 2 Normalized Difference Vegetation Index
- 3 Enhanced Vegetation Index
- 4 False colour image