

## SENTINEL MONITORING SERVICE

Analyze land changes based on worldwide archive on Sentinel-2 data with advanced tools such as compare analysis and time-lapse.



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

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

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

## 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.



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**SENTINEL** Hub

The next generation  
of satellite imagery service

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





## SENTINEL HUB

Sentinel Hub makes satellite data (Sentinels, Landsat and other providers) easily accessible for you to be browsed or analyzed, within our cloud GIS or within your own environment.

Service-oriented satellite imagery infrastructure takes care of all the complexity of handling imagery archive and makes it available via easy-to-integrate web services.

### THE MAIN FEATURES OF THE SYSTEM:

- ◆ global coverage
- ◆ full historical archive of multi-spectral data
- ◆ compliance with OGC standards such as WFS, WMS, WMTS and WCS
- ◆ 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
- ◆ notification service
- ◆ cloud and atmospheric correction

## SENTINEL-2 DATA

Earth observation data provided by the Sentinel-2 satellites are revolutionizing the market of space applications. Open access to data with very short revisit times, high

spatial resolution, and good spectral resolution can benefit several sectors - agriculture, environmental and land-change monitoring, natural disaster response, insurance and others.

Sentinel Hub holds a complete Sentinel-2 archive of multi-temporal and multi-spectral data on global scale. Regardless of the volume it is able to create an on-the-fly mosaic of data based on area, time range and cloud coverage parameters, combine the sensor bands in one of several visualization options (true, false, NDVI, EVI, etc.) and deliver it to end-user via OGC standard services or web interface in just a few seconds.

### SENTINEL PLAYGROUND

To demonstrate Sentinel Hub's rendering options we have implemented Sentinel Playground - an easy-to-use web application, where anybody can browse global archive of Sentinel-2 data and analyze the data in many visualization options. | [apps.sentinel-hub.com/sentinel-playground](https://apps.sentinel-hub.com/sentinel-playground)



Rapid online viewing and access to the Sentinel-2 image archive, along with access to the EO data products.



Script-based on-the-fly definition of new earth observation products.

## HOW TO ACCESS IMAGERY?

### WMS/WMTS SERVICE

By using our WMS service, you can avoid all complexities of the Sentinel-2 data. No need to download data from SciHub, manage JP2 format, process, re-project, mosaicking. No need for large storage volumes and processing power. Simply add a new datasource in your GIS application and start using the data. | [www.sentinel-hub.com/apps/wms](https://www.sentinel-hub.com/apps/wms)



### SENTINEL-2 MOSAIC GENERATOR

The Mosaic Generator provides easy way to download Sentinel-2 products, which you can import into your favorite GIS tool for offline use. You simply define your area of interest, configure the visualization parameters that are used to display Sentinel-2 data and download the data in GeoTiff format. | [www.sentinel-hub.com/apps/mosaic-generator](https://www.sentinel-hub.com/apps/mosaic-generator)

### WITHIN 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
- ◆ can be integrated into 3<sup>rd</sup> party websites
- ◆ image processing and analysis techniques