

# AGRICULTURE MONITORING BASED ON CONTINUOUS SENTINEL IMAGERY

Bring understanding of field activity to a new level

Satellite imagery is revolutionising agriculture and can help European farmers and public authorities take land monitoring to a new level.

With us you can start using this earth-observation data as a cost-efficient way of gathering necessary agricultural monitoring information.

## SATELLITE IMAGERY ARCHIVE WITHIN GIS IN THE CLOUD

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.

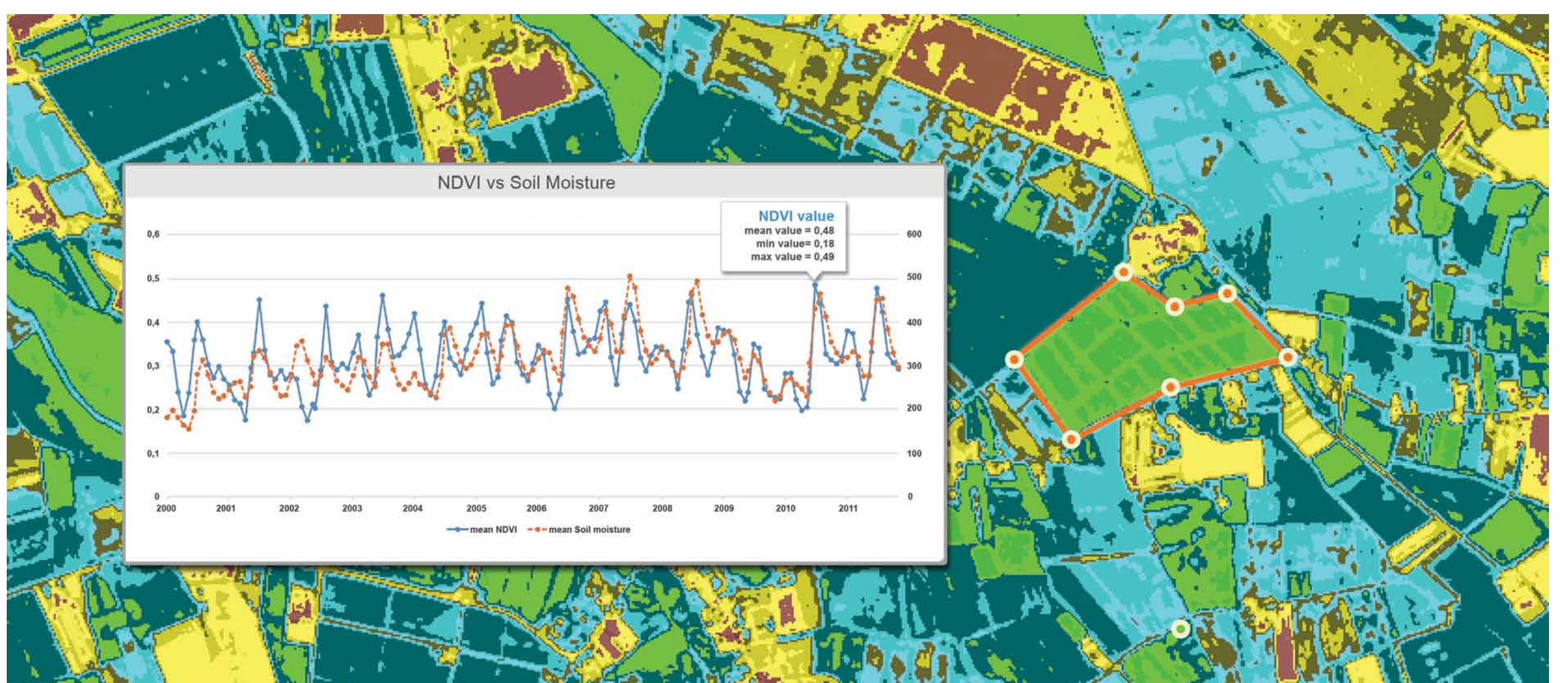
Our approach combines cloud-based GIS technologies, parallel processing and fully automated procedures. **On-the-fly processing and visualization make it possible to build new products (e.g. vegetation indices and similar) in a matter of minutes.** The main features of the system are:

- ⦿ automated archiving process
- ⦿ rolling archive of multi-spectral data
- ⦿ 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 integration into 3<sup>rd</sup> party tools
- ⦿ APIs for advanced feature integration

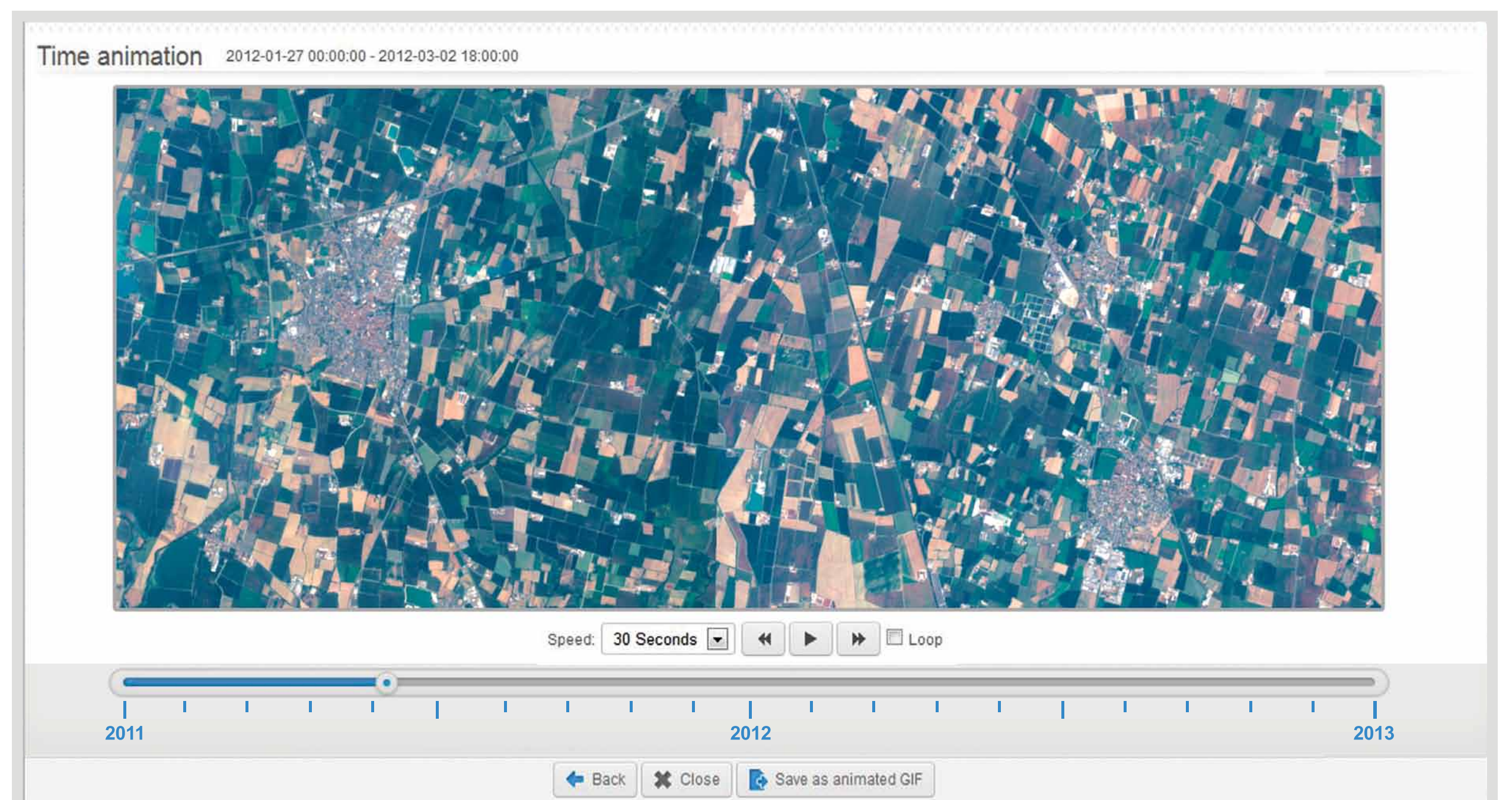
OUR INFRASTRUCTURE MAKES IT EASY TO ARCHIVE, PROCESS AND DISTRIBUTE SATELLITE IMAGERY



ADVANCED IMAGE PROCESSING AND ANALYSIS TECHNIQUES FOR INTERPRETATION OF IMAGES



SEE CHANGES OVER TIME WITH THE TIME ANIMATION TOOL



All of these services can either be used in 3<sup>rd</sup> party tools or within our cloud GIS, which makes it possible to analyze the data in combination with other alpha-numeric or spatial datasets.



FIND OUT MORE ON [SINERGISE.COM/SENTINEL](http://SINERGISE.COM/SENTINEL)  
OR WATCH THE SHOWCASE VIDEO ON YOUTUBE: [youtu.be/tJiSg6ysCXo](https://youtu.be/tJiSg6ysCXo)

DISCOVER WHAT'S POSSIBLE

For more information on our products, contact us: [info@sinergise.com](mailto:info@sinergise.com)

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