

Continuous Monitoring Services from Earth Observation

The Rheticus Platform



Huge amount of Earth Observation Satellites

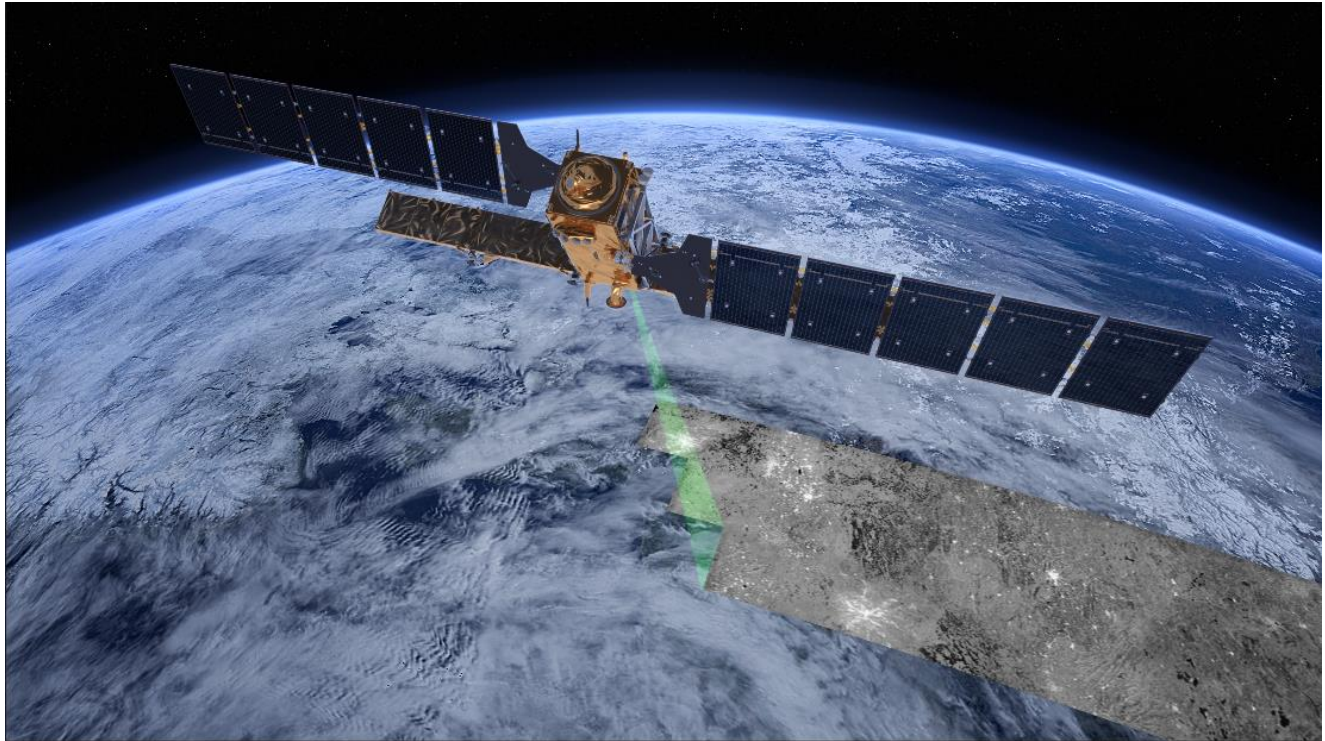
According to the information within the [Union of Concerned Scientists](#) database, the main purpose of the current operational EO satellites are:

- 165 satellites for Optical imaging
- 34 satellites for Radar imaging
- 7 satellites for Infrared imaging
- Meteorology for 37 satellites
- Earth Science for 53 satellites
- Electronic Intelligence for 47 satellites
- 6 satellites with other purposes; and
- 25 satellites simply list EO as their purpose



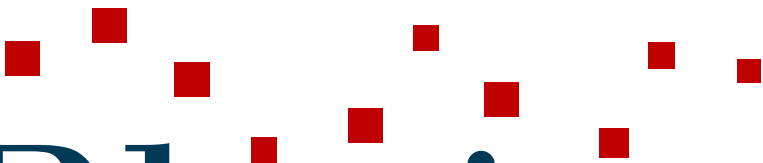
Effective Monitoring

- Frequent data over your area of interest are available!



Recipe

- A lot of data, wisely mixed in a powerful computing environment
- Result: Useful Information

A series of approximately 15 small red squares arranged in a loose, upward-curving arc above the word 'Rheticus'.

This is Rheticus™

RHETICUS

Monitoring the evolution of our Earth



Displacement



Detecting and reporting earth's surface movements, aimed at monitoring landslides, subsidence, and the stability of infrastructures, as buildings, roads and railways.

Marine



Monitoring coastal seawaters quality, supporting local governments, environmental reporting requirements, aquaculture and desalination plants.

Wildfires



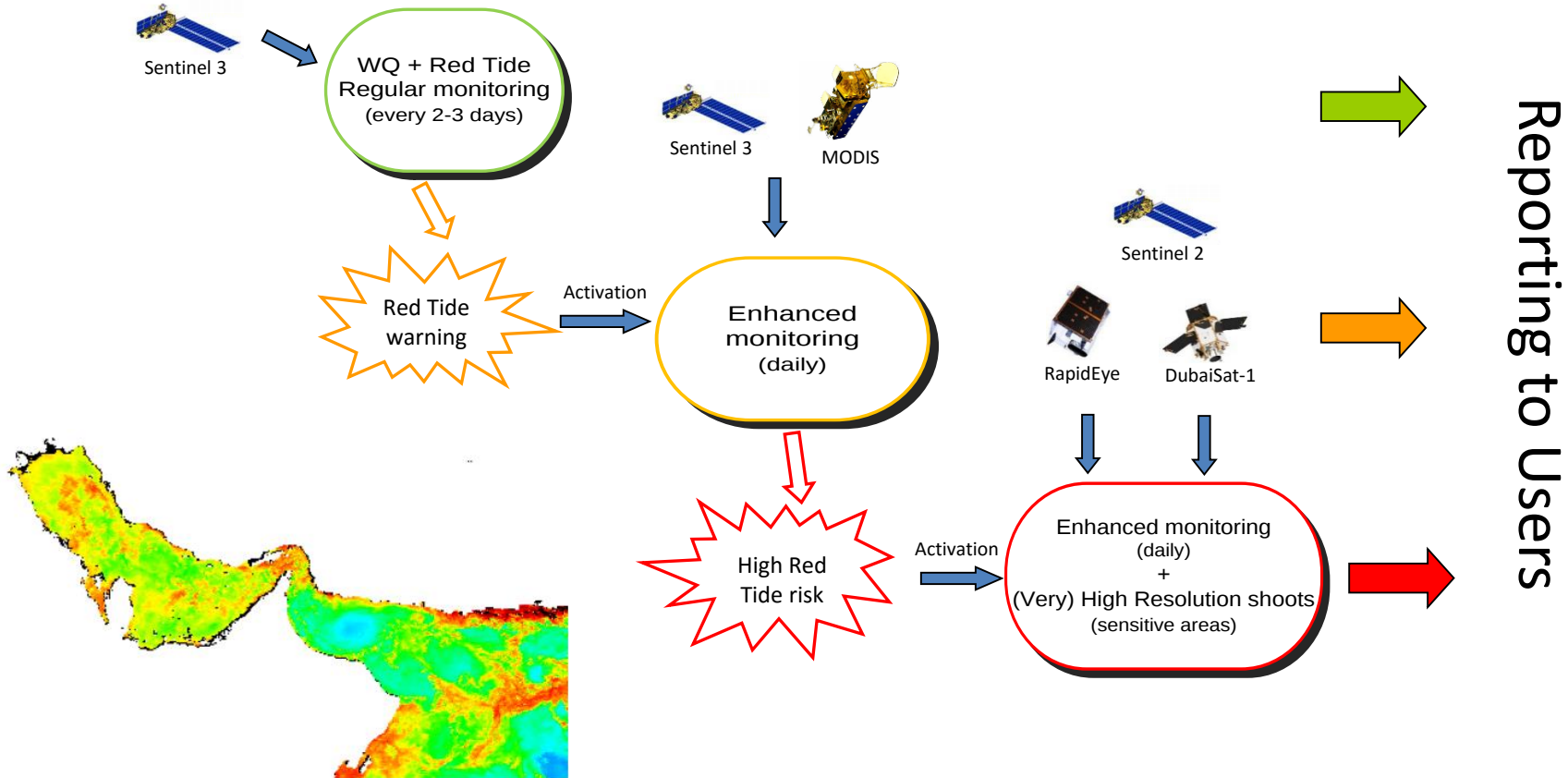
A geoinformation service designed to support burnt areas detection and monitoring, through burned area perimeter, mapping and detection of illegal land use changes over time.

Urban Dynamics

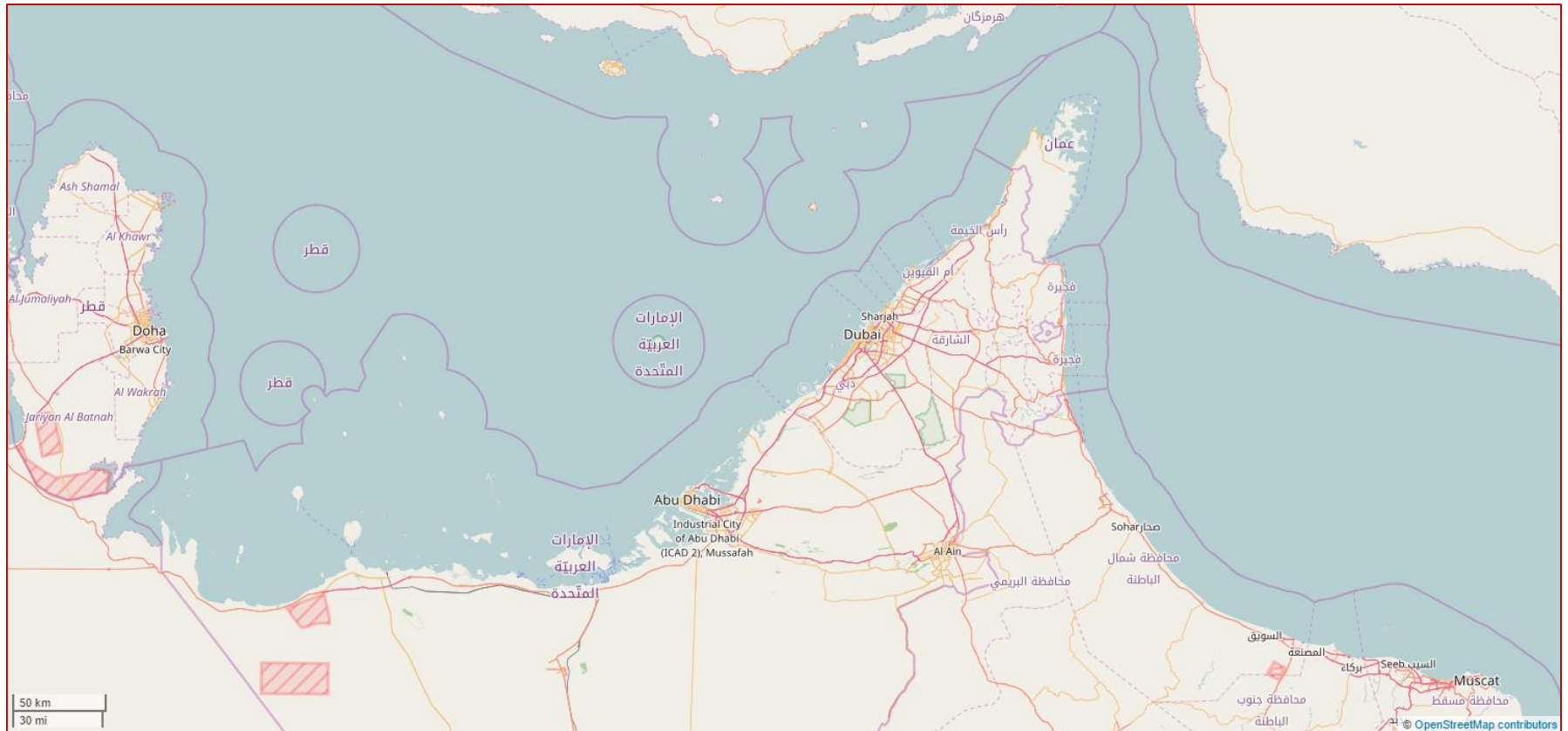


Monitoring and reporting land use changes, soil loss and infrastructures development, to support decision makers in territorial planning and infrastructures building.

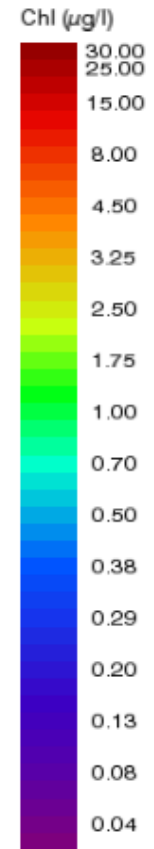
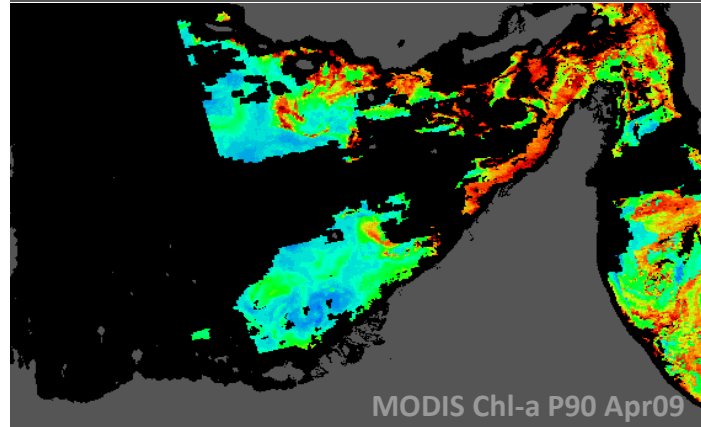
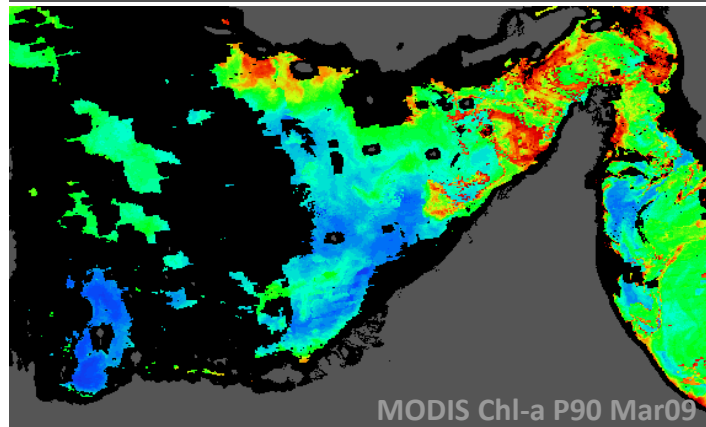
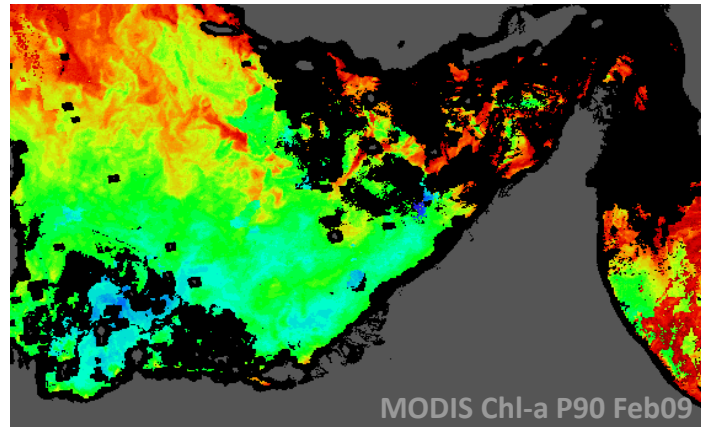
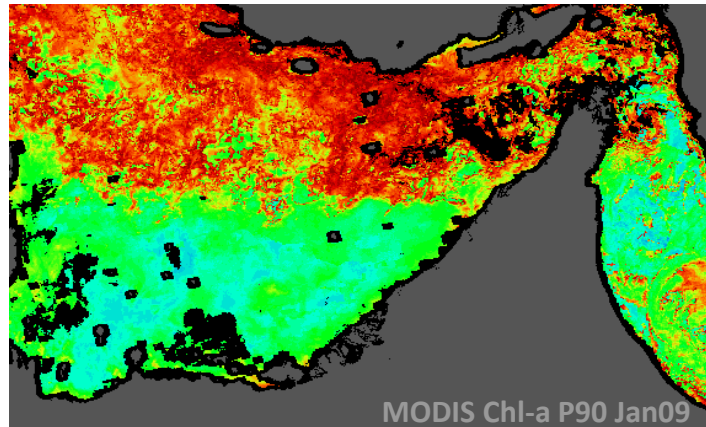
Red Tide Monitoring Service



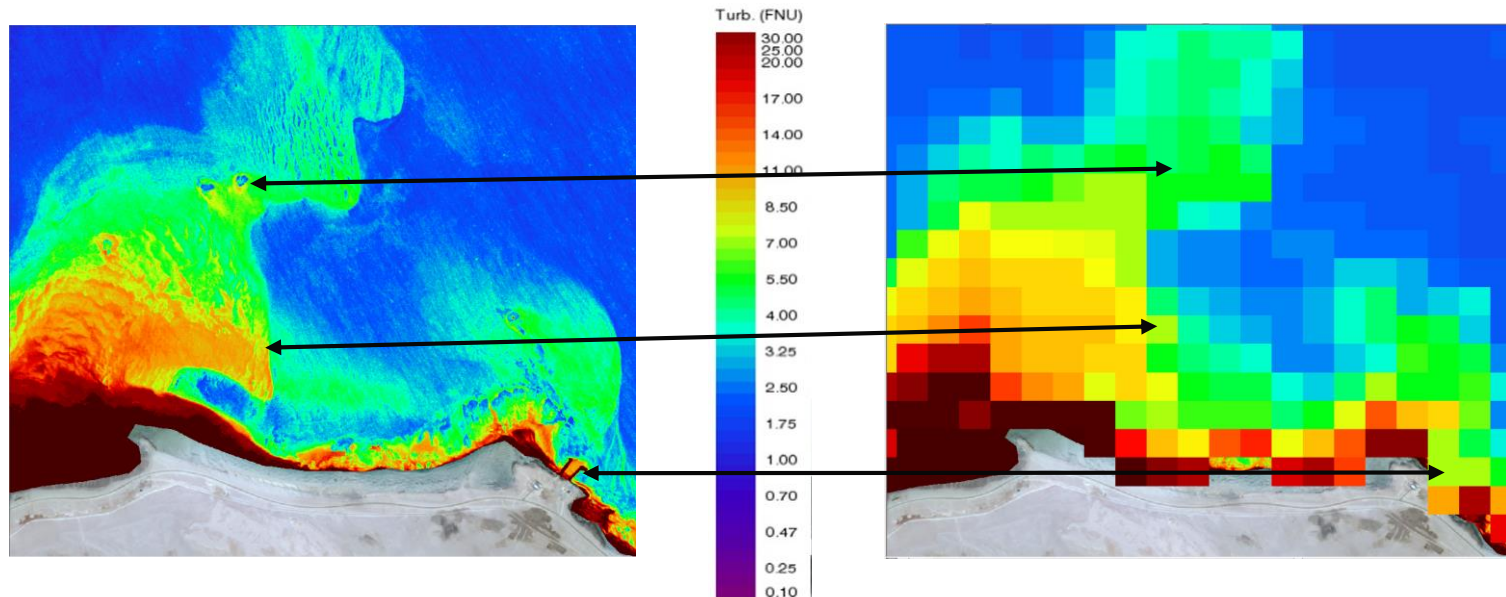
Example Area of Interest: Persian Gulf



Regular Monitoring over wide area



Warning mode: High Frequency / High Resolution



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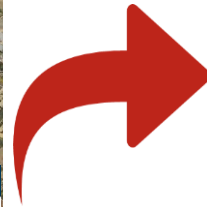
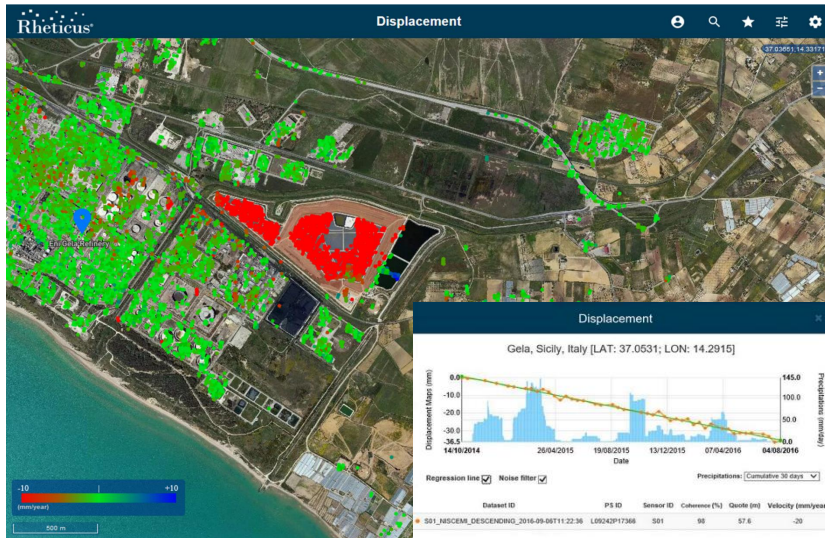
Urban Dynamics



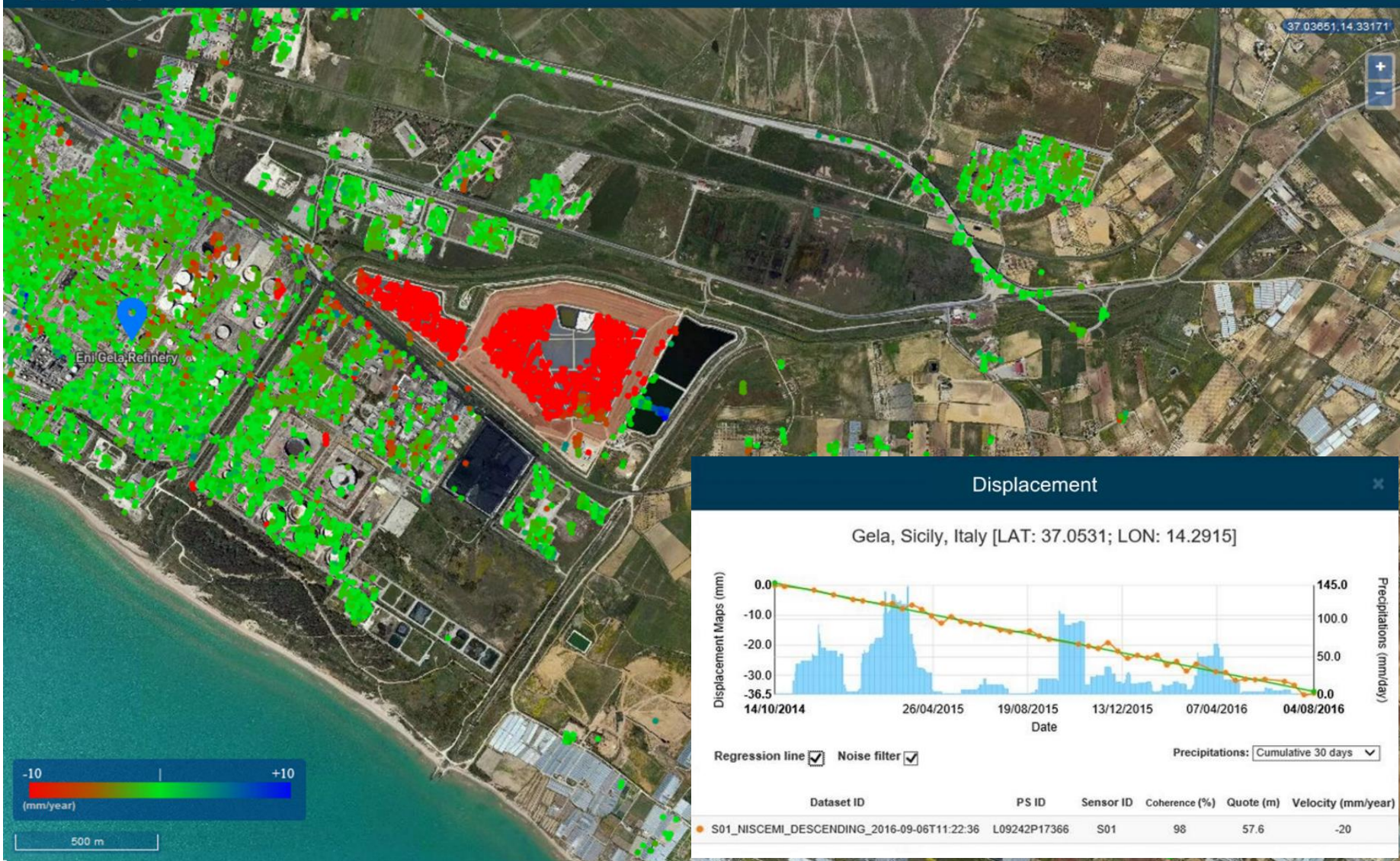
Monitoring and reporting land use changes, soil loss and infrastructures development, to support decision makers in territorial planning and infrastructures building.

Rheticus Displacement

Continuous monitoring of infrastructures and territory



Landslides
Subsidence
Stability of infrastructures



Displacement

Gela, Sicily, Italy [LAT: 37.0531; LON: 14.2915]



Regression line ☒

Noise filter ☒

Precipitations: Cumulative 30 days

Dataset ID	PS ID	Sensor ID	Coherence (%)	Quote (m)	Velocity (mm/year)
● S01_NISCEMI_DESCENDING_2016-09-06T11:22:36	L09242P17366	S01	98	57.6	-20

Let's see it live

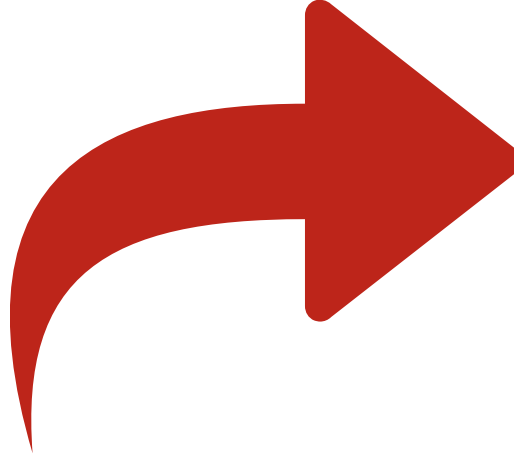
- <http://www.rheticus.eu>



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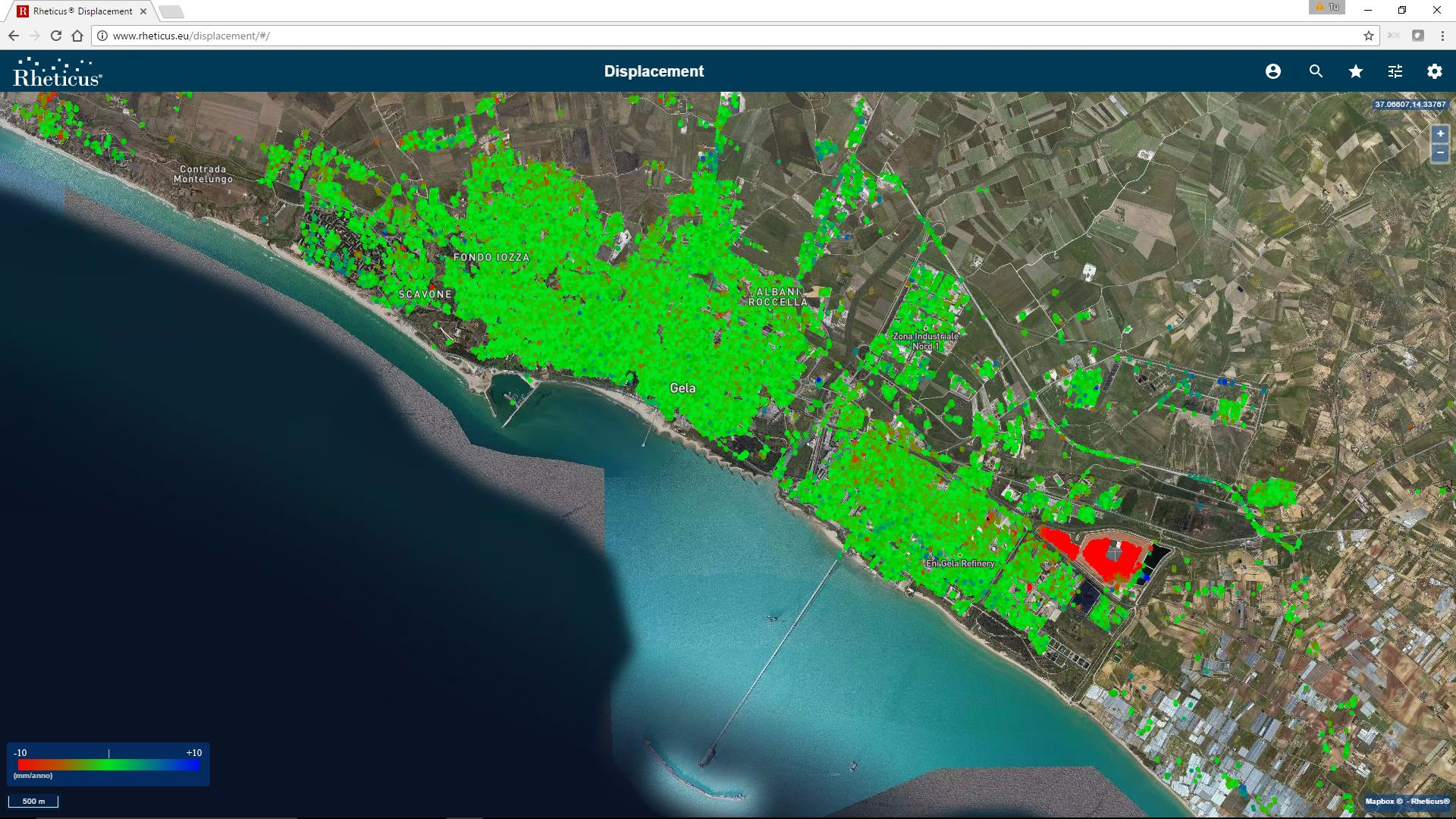


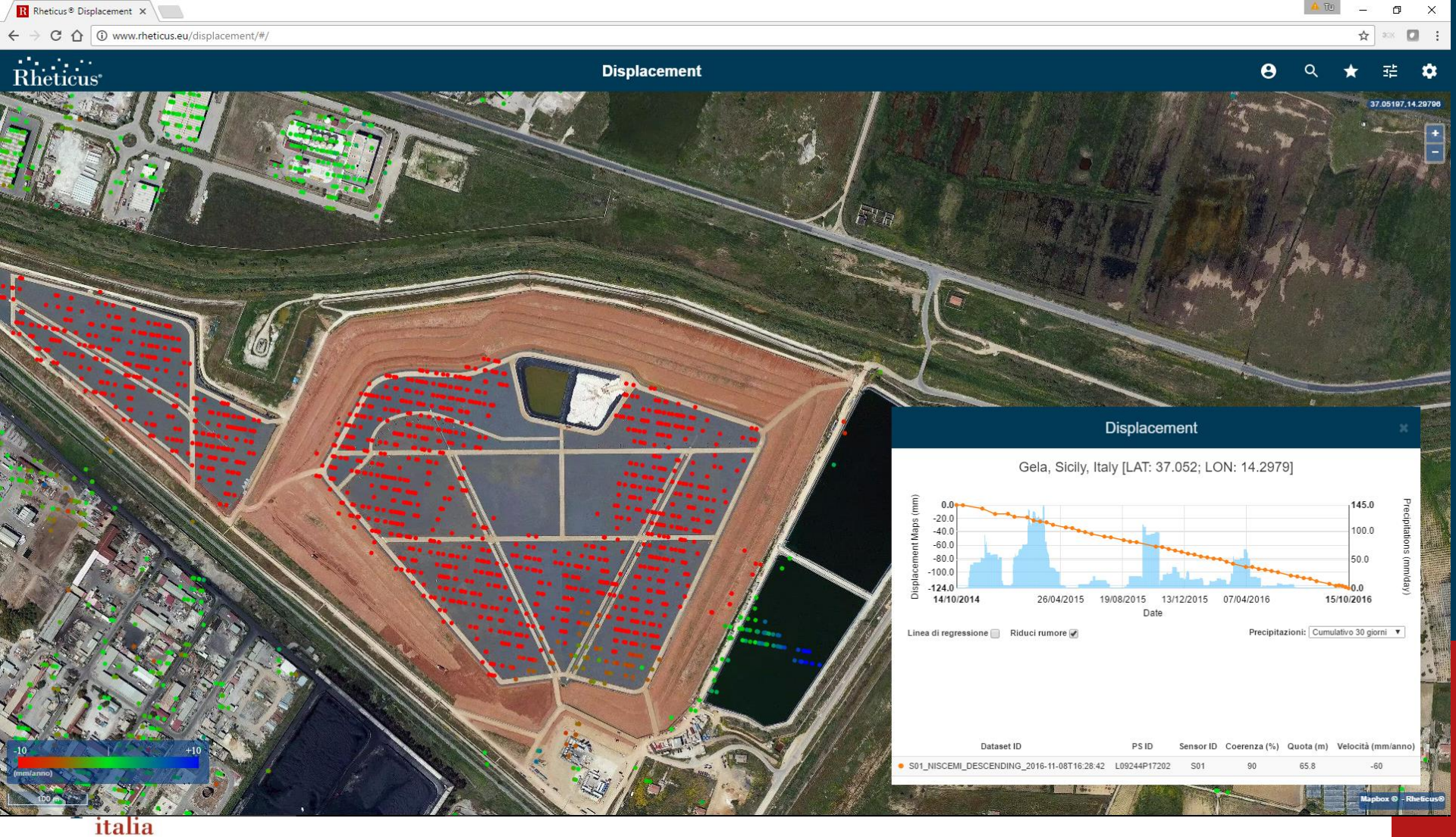
www.linkedin.com/company/planetek-italia



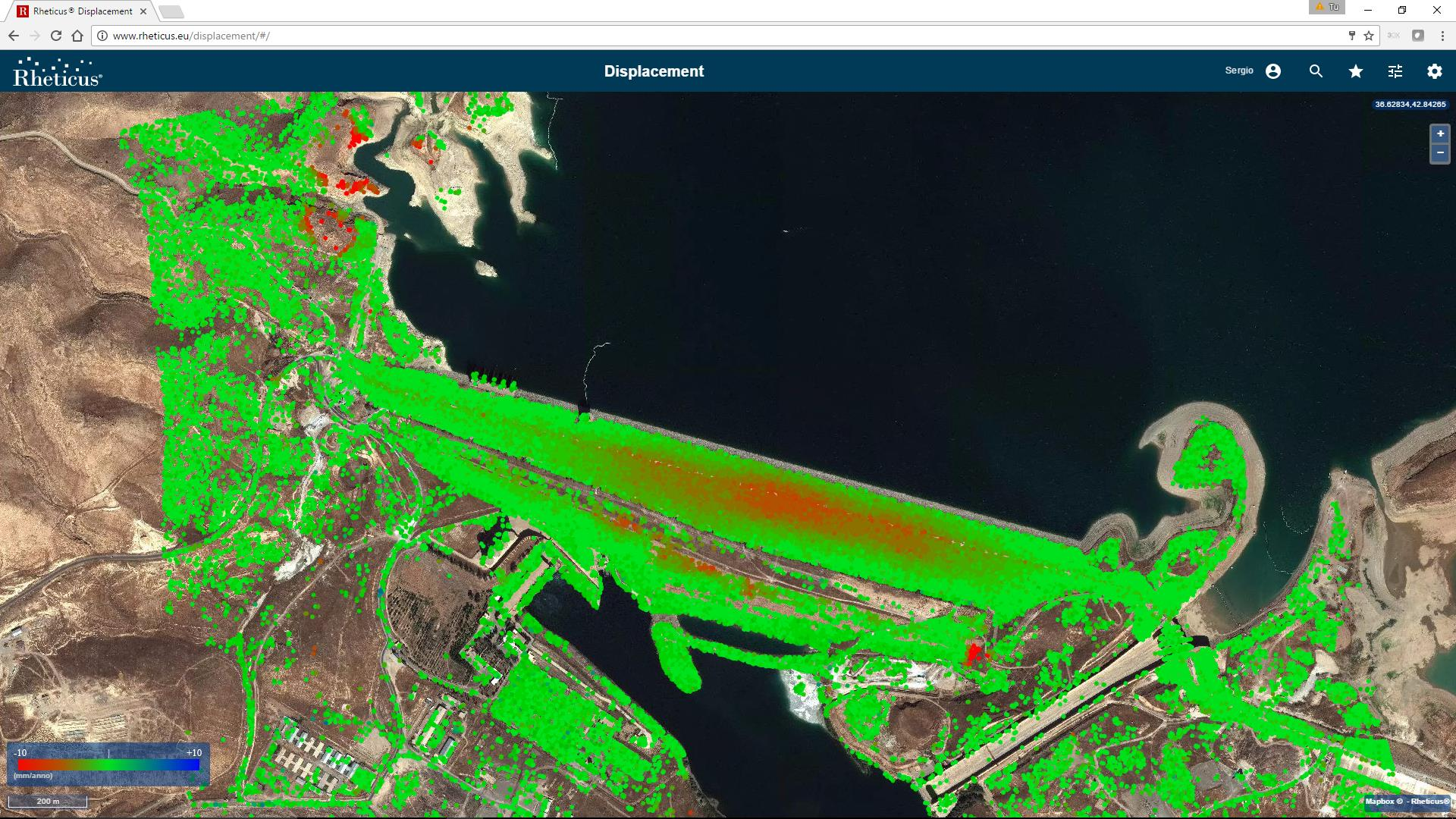
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Integrated International For Environmental Services
Distributor for Kuwait



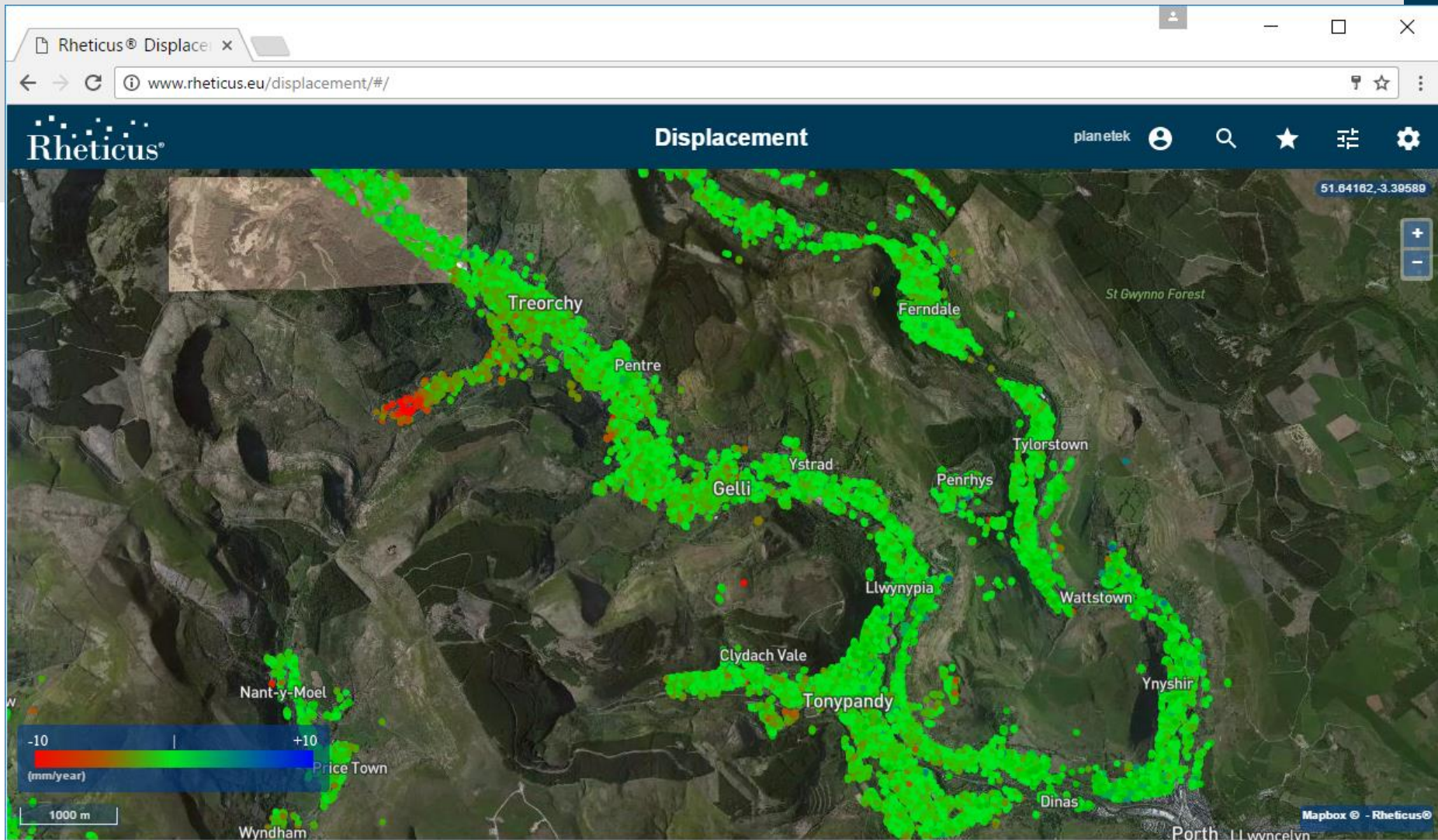


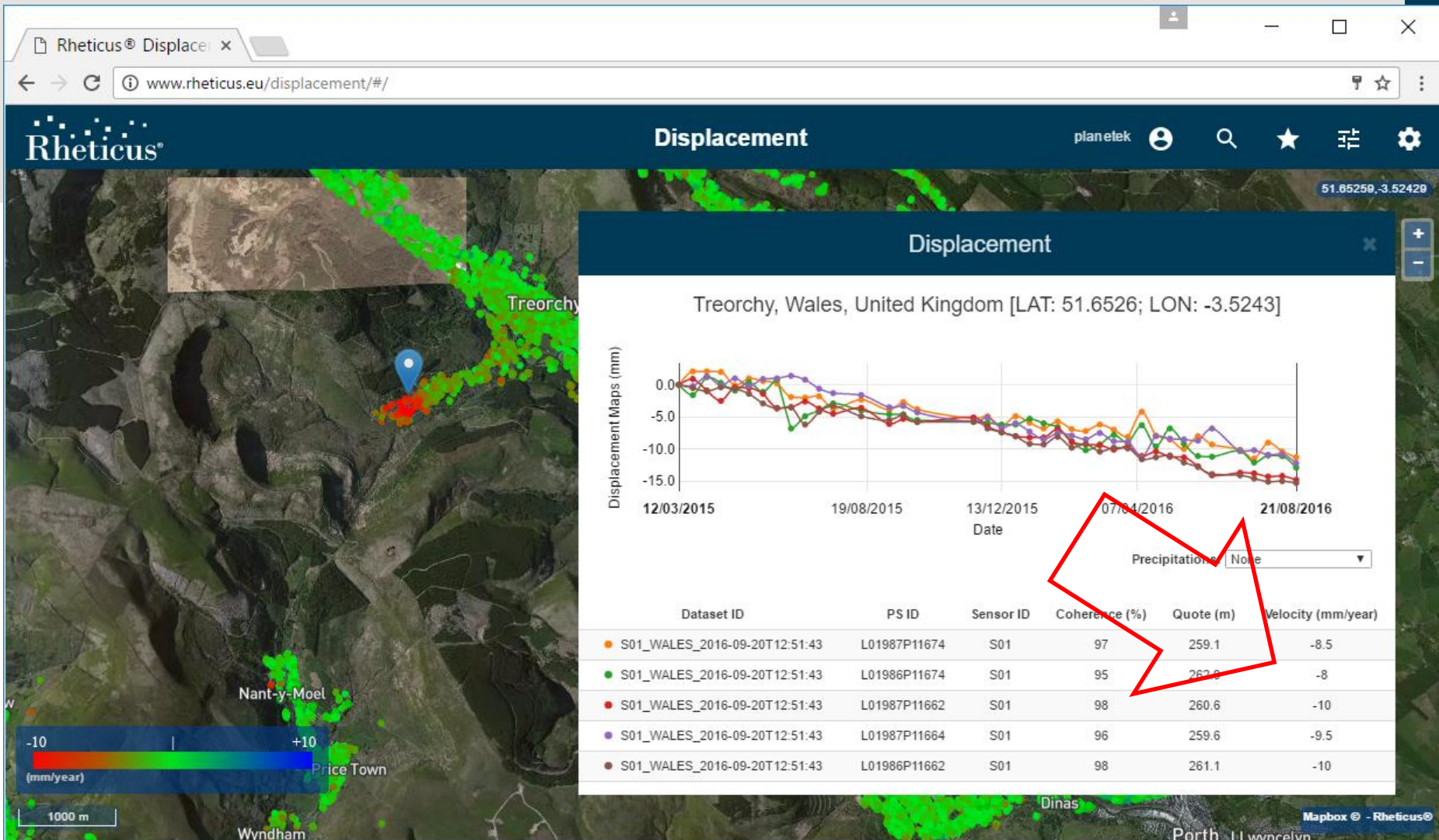


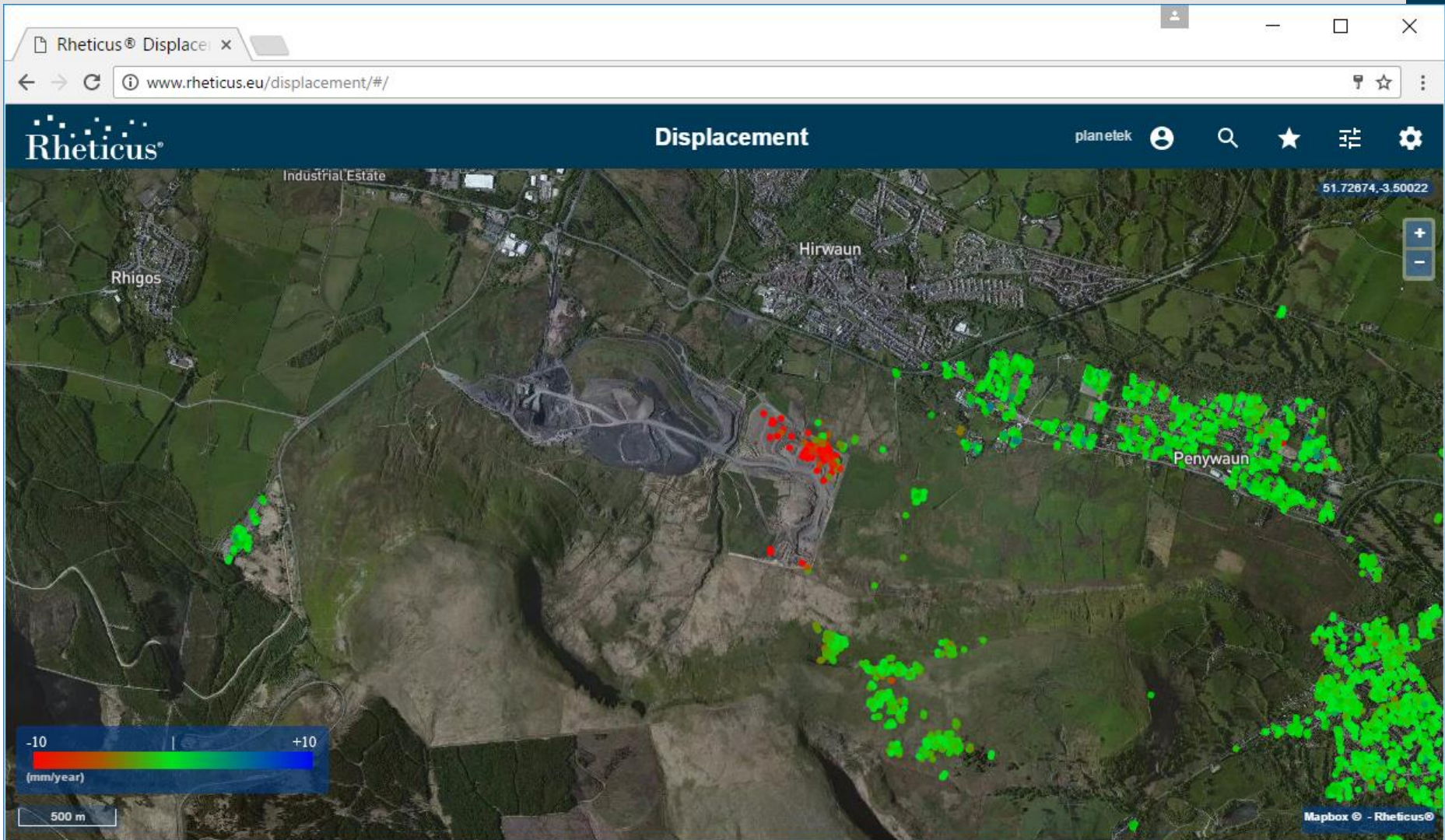
italia

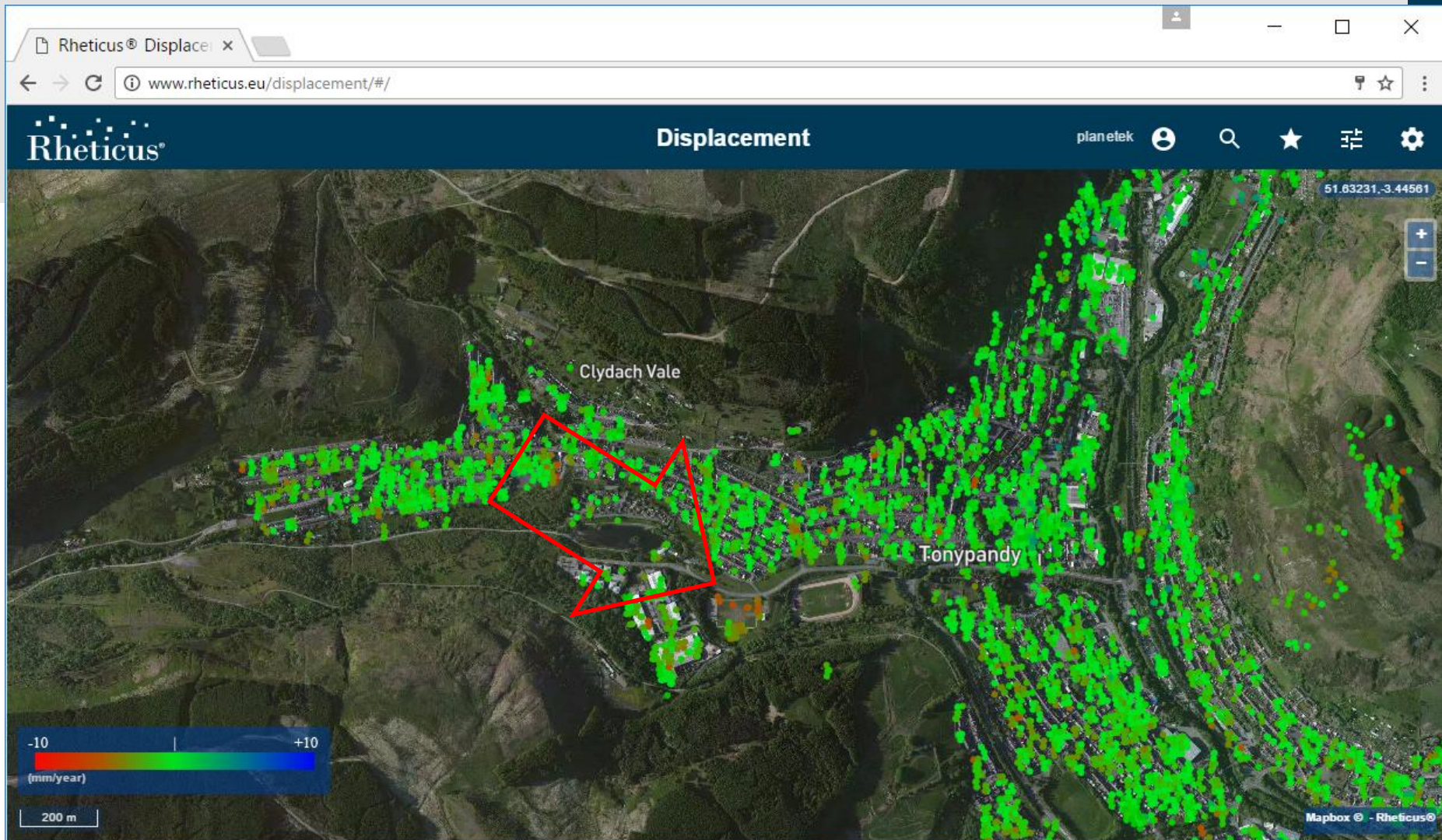


italia

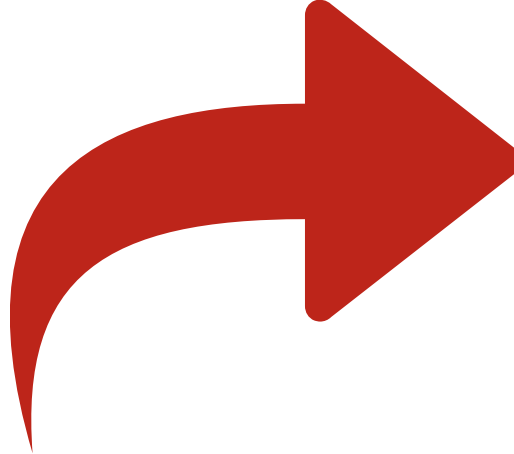








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