

An aerial satellite view of a rural landscape, showing a winding river through a patchwork of agricultural fields in various shades of green and brown. The image is partially obscured by a dark blue banner on the left side.

Earth Observation services contributing to SDGs

Industry contribution to targets
(examples)

EARSC

European Association
of Remote Sensing
Companies



EO services contributing to SDGs

Rheticus[®] Urban Dynamics



- User: Urban planning departments
- Challenge/Needs: enabling continuous monitoring of land use/ land-cover changes, soil consumption, impervious surfaces assessment, and urban heat islands detection, as well as supporting spatial planning to achieve smart growth.
- Initiative: H2020 Eugenius
- Results: allows to monitor urban changes and their evolutionary trend over time, facilitating planning activities and land management
- Service Provider: Planetek Italia's Rheticus platform

References links

- <https://www.rheticus.eu/rheticus-services/urban-dynamics/>

Target 1.5.: eo services focus on: Build resilience of vulnerable populations contributing to management of disaster risk reduction.
Target 9.1.: eo services based on Inform on infrastructures development & planning.
Target 11.3.: eo services based on Urban growth monitoring for sustainable use of land. Indicator 11.3.1: Land consumption
Target 11.6.: eo services based on Spatial mapping of cities & waste management
Target 11.7.: eo services based on Mapping extend of urban areas



Figure: Rheticus[®] Urban Dynamics service geoportals with analytics tools