

# EO services contributing to SDGs

## Rheticus<sup>®</sup> Agriculture



- User: Agriculture, winegrowers and/or agriculture associations, National / Local Authorities, insurance companies
- Challenge/Needs: Generating land cover map it allows to optimize the farm's management at the local, regional and national levels. Further, by using the biomass health indicator (vegetation index, Reflectance Index, Moisture Index, Leaf Area Index, Water index), the service can also work as a diagnostic tool and serve as an early warning system, allowing the agricultural community to detect and counter potential problems before they spread widely and negatively impact crop productivity
- Initiative: Internal Development
- Results: designed to help farmers in daily crop production tasks.
- Service Provider: Planetek Italia's Rheticus platform
- Reference: <https://www.rheticus.eu/>



Figure: Rheticus<sup>®</sup> Agriculture service geoportal with analytics tools

Target 1.5: By 2030, build the resilience of the poor and those in vulnerable situations and reduce their exposure and vulnerability to climate-related extreme events and other economic, social and environmental shocks and disasters.

Target 2.4: By 2030, ensure sustainable food production systems and implement resilient agricultural practices that increase productivity and production, that help maintain ecosystems, that strengthen capacity for adaptation to climate change, extreme weather, drought, flooding and other disasters and that progressively improve land and soil quality.

Target 6.4: By 2030, substantially increase water-use efficiency across all sectors and ensure sustainable withdrawals and supply of freshwater to address water scarcity and substantially reduce the number of people suffering from water scarcity.

Target 13.1: Strengthen resilience and adaptive capacity to climate-related hazards and natural disasters in all countries