

EO services contributing to SDGs

Wago



- User: Cooperatives, farmers
- Challenge/Needs: Adjust the water inputs to the crop needs and have early detection of drought
- Initiative: Wago gives water balance monitoring and irrigation recommendations at field level. It is based on Sentinel-2 images and an approved scientific model originally developed by Cesbio, the *Centre for Space Studies of the Biosphere*. The end-user can save water and time
- Results: early alerts and irrigation recommendations at field level.
- Benefits: (i) Follow on the same platform vegetation index and water balance to get a complete overview of the crop evolution and current situation (ii) Receive alerts and notifications with actionable information at the right time to schedule irrigation (iii) Build precise knowledge of each plot over time and plan crop rotation accordingly (iv) Understand and follow precisely the soil water content and its structure
- Impact: Use the right amount of water needed by your crops to eventually increase quality and crop yield, and save water
- Highly repeatable solution, Clear market focus with distinctive market positioning, Outcome-focused offering, SaaS type of sales process
- Service Provider: TerraNIS

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.

Indicator 6.4.2.: Water stress



Alerts and irrigation recommendations at field level

Water balance per field

