



Agricolus - the Platform for Precision Farming

AGRICOLUS®

Name of the Organisations Involved

- Agricolus, Italy

Challenges Identified

The initiative to introduce cutting-edge agricultural technologies throughout Italy stemmed from the industry's challenges, including increased management costs, climate change, and European legislation. Facilitating the adoption of such technologies aims to help agriculture fulfil its obligations to uphold environmental and economic sustainability.

Goals and Solution

Agricolus, based in Perugia, Umbria known as the "green heart" of Italy, is a pioneering company in smart farming, with a mission to "Make AgriTech sustainable." Using its digital tools, Agricolus aims to assist every participant in the agri-food chain and maximize agronomic techniques.



Photo: Agricolus team, Source: Agricolus

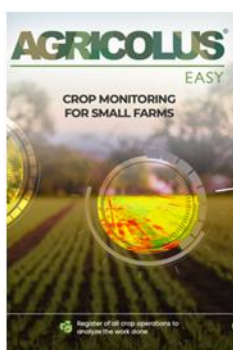
Actions Taken

- Agricolus developed the user-friendly Agricolus platform, accessible directly from the web through a simple registration process. The Agricolus Platform comprises key applications of Smart Farming, including geolocated field mapping, satellite imagery with vegetation indexes, forecast models for phenology, irrigation, pest and diseases, task management, crop scouting with a mobile app, and prescription maps for fertilization. This integrated platform combines data from various sources, providing farmers with a user-friendly Decision Support System (DSS). This empowers farmers to make timely and appropriate decisions based on the actual needs of their crops.

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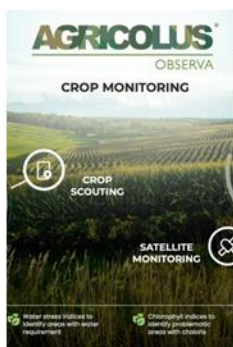


- The Agricolus Academy was established. This educational initiative is crucial to empower agronomists, agricultural specialists, and agrotechnicians with the skills to effectively use AgriTech tools and analyze data. The Agricolus Professional Academy offers various certification levels, with credits recognized by the relevant Order.
- To support the digitization and sustainability, Agricolus developed AgriTrack, a digital tool for communication and analysis tailored for agricultural organizations such as associations, cooperatives, distributors, and food processors.
- Agricolus offers several solutions tailored to farmers' requirements such as Agricolus Easy, Agricolus Observa, and Agricolus Plus:



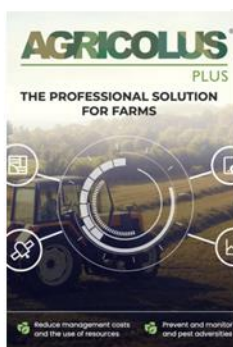
Agricolus Easy

With Agricolus Easy you may map an area up to 50 hectares and view your plots' NDVI vigor index. Sentinel 2 photos with a spatial resolution of 10 meters are accessible every 5 days, allowing to remotely monitor crops and assess their growth to effectively plan the tasks to be done in the field. The Agricolus Farmer mobile app allows to geolocate data, take direct field measurements, and add notes and photographs about diseases, pests, and damage.



Agricolu Observa

Agricolus Observa is the answer for farms in need of reliable assistance with crop monitoring and management. The emphasis is on field data collection and satellite imagery, a method that gives all herbaceous, cereal, and horticultural crops the best possible outcomes.



Agricolus Plus

Agricolus Plus is the answer for farmers seeking cutting-edge technology assistance for a comprehensive 360-degree agronomic approach. The platform can be tailored to meet the unique requirements of any farm, especially those who grow many crops and wish to link weather stations and use forecast models.

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Benefits and Impact

Agricolus, an advanced AgriTech platform, simplifies and elevates farmers' work: farmers can efficiently schedule tasks, optimize resource usage and potentially reducing inputs (fertilizer, water, and treatments) by up to 20%. Membership options, including Agricolus Free, cater to diverse needs.

The Agricolus Academy empowers farmers with comprehensive AgriTech knowledge, enabling informed decisions and maximizing farm output. Certification levels validate farmers' expertise, instilling confidence in leveraging digital tools for enhanced agricultural practices.

Contact Information

Website: <https://www.agricolus.com/en/>

Facebook: <https://www.facebook.com/AGRICOLUSsrl/>

Twitter: https://twitter.com/i/flow/login?redirect_after_login=%2FAgricolusSuite%2F

Instagram: https://www.instagram.com/agricolus_srl/

Youtube: <https://www.youtube.com/channel/UCgPvHu4sIIWCtmioOZf2y-Q>

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Application Area

☒ Soil ☒ Terrain

Digital Technology in the Value Chain

☒ Agromonic Services

Digital Technologies

☒ IoT ☒ Big Data

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