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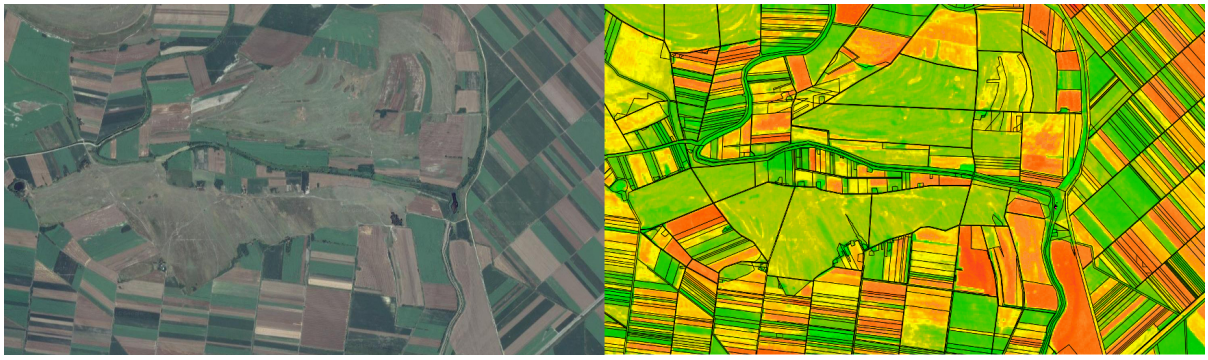
Agricolus



Title	Agricolus
Title (native language)	Agricolus
Category	• Recording or mapping technology • Reacting or variable rate technology • Controlled traffic technology • Farm Management Information System
Short summary for practitioners (Practice abstract) in English)	AGRICOLUS is a cloud applications ecosystem for precision farming with multiple purposes: disease awareness and forecasts, crop monitoring, decision support system for treatments and fertilizers, farm management and end to end traceability bringing valuable information to final users. It is already on the market and multinational agroholding companies, medium-big farms, association of farmers and government are using it successfully.
Short summary for practitioners	
Website	
Audiovisual material	
Links to other websites	
Additional comments	
Keywords	Farming practice | Farming equipment and machinery | Fertilisation and nutrients management | Soil management / functionality | Farming/forestry competitiveness and diversification
Additional keywords	decision support system, farm management, pest forecast, gis, IoT
Geographical location (NUTS)	EU
Other geographical location	North America, Middle East, Africa
Cropping systems	Arable crops | Open field vegetables | Vineyards
Field operations	Fertilization | Pesticide application | Crop protection | Irrigation | Harvesting | Crop and soil scouting
SFT users	Farmer | Contractor | Processor
Education level of users	Primary education
Farm size (ha)	10-50 | 50-100 | 100-200 | 200-500 | >500

Company info

Company name	Agricolus
Address	Loc. Burchio c/o Polo Lionello Bonfanti , Figline e Incisa Val D'Arno (FI) , Italy

Website	
Patent status	no patent

Effects of this SFT

Productivity (crop yield per ha)	Some increase
Quality of product	Some increase
Revenue profit farm income	Some increase
Soil biodiversity	Some increase
Biodiversity (other than soil)	No effect
Input costs	Some decrease
Variable costs	Some decrease
Post-harvest crop wastage	No effect
Energy use	No effect
CH4 (methane) emission	No effect
CO2 (carbon dioxide) emission	Some decrease
N2O (nitrous oxide) emission	Some decrease
NH3 (ammonia) emission	No effect
NO3 (nitrate) leaching	No effect
Fertilizer use	Some decrease
Pesticide use	Some decrease
Irrigation water use	Some decrease
Labor time	No effect
Stress or fatigue for farmer	Some decrease
Amount of heavy physical labour	No effect
Number and/or severity of personal injury accidents	No effect
Number and/or severity of accidents resulting in spills property damage incorrect application of fertiliser/pesticides etc.	No effect
Pesticide residue on product	Some decrease
Weed pressure	No effect
Pest pressure (insects etc.)	Some decrease
Disease pressure (bacterial fungal viral etc.)	Some decrease

Information related to how easy it is to start using the SFT

This SFT replaces a tool or technology that is currently used. The SFT is better than the current tool	agree
The SFT can be used without making major changes to the existing system	agree
The SFT does not require significant learning before the farmer can use it	agree
The SFT can be used in other useful ways than intended by the inventor	no opinion
The SFT has effects that can be directly observed by the farmer	agree
Using the SFT requires a large time investment by farmer	disagree
The SFT produces information that can be interpreted directly	agree

View this technology on the Smart-AKIS platform

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