

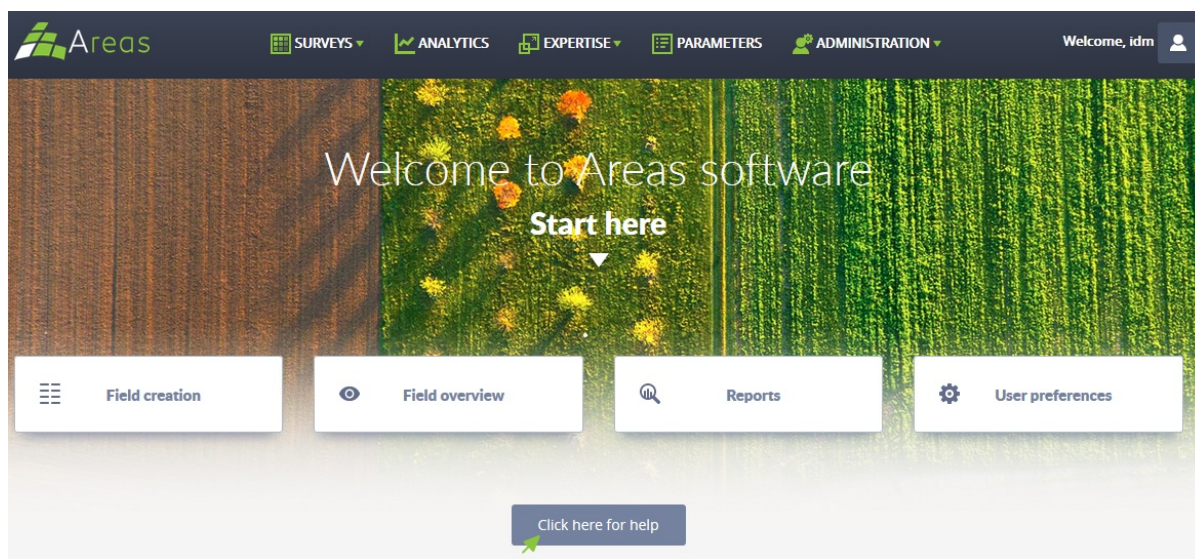


smart **AKIS**  
Smart Farming Thematic Network



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## Agriculture Remote Aerial Sensing



Title	Agriculture Remote Aerial Sensing
Title (native language)	
Category	<ul style="list-style-type: none"> <li>• Recording or mapping technology</li> <li>• Reacting or variable rate technology</li> <li>• Controlled traffic technology</li> <li>• Farm Management Information System</li> </ul>
Short summary for practitioners (Practice abstract) in English)	AREAS (Agriculture Remote Aerial Sensing) is part of Precisions Agriculture that uses remote sensing for surveying large farm areas, gathering large amount of data in near real-time manner, and processing and analysing data using statistical methods and machine learning algorithms. The results produced from data provide to end users (farmers) explained basis for timely decision making.
Short summary for practitioners	
Website	<a href="http://www.logit-solutions.com/agrisens/">http://www.logit-solutions.com/agrisens/</a>
Audiovisual material	
Links to other websites	
Additional comments	
Keywords	Farming practice   Energy management
Additional keywords	remote sensing; weed identification; stress monitoring
Geographical location (NUTS)	RS
Other geographical location	
Cropping systems	Arable crops   Tree crops   Open field vegetables   Vineyards   Grassland
Field operations	Weed control   Crop protection
SFT users	Farmer
Education level of users	Apprenticeship or technical school education   University education
Farm size (ha)	>500

## Company info

Company name	LOGIT
Address	Mlutina Milankovića 25b, Novi Beograd, Serbia
Website	<a href="http://www.logit-solutions.com/">http://www.logit-solutions.com/</a>
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	No effect
Biodiversity (other than soil)	No effect
Input costs	Some decrease
Variable costs	Some decrease
Post-harvest crop wastage	Some decrease
Energy use	Some decrease
CH4 (methane) emission	No effect
CO2 (carbon dioxide) emission	No effect
N2O (nitrous oxide) emission	No effect
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	Some decrease
Stress or fatigue for farmer	Some decrease
Amount of heavy physical labour	Some decrease
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	Large decrease
Pest pressure (insects etc.)	Large decrease
Disease pressure (bacterial fungal viral etc.)	Large 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	disagree
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	no opinion
The SFT produces information that can be interpreted directly	no opinion

[View this technology on the Smart-AKIS platform](#)

### SMART AKIS PARTNERS:



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