AgriBIT Project

Artificial intelligence applied to pPrecision farming By the use of GNSS and Integrated Technologies

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AgriBIT mission

AgriBIT improves the agriculture chain in terms of

- **optimised usage of resources** ranging from fertilizers and pesticides to water
- **increased crops diversity** across smaller areas of land
- **extended availability of Precision Agriculture (PA) services** even in **challenging conditions** such as high cloud coverage, for which AgriBIT takes advantage of multispectral satellite observations capabilities provided by Landsat 8, CropMonitoring service from EOS or CropSAT service from Datavaxt.
AgriBIT in a nutshell

Precision Farming solutions
- Climate and weather services for farmers
- Irrigation scheduling
- Crop growth monitoring
- Prescription mapping
- Tillage scheduling and intelligent monitoring
- Pest and Disease Early Warning System
- Crop yield estimation and seasonal yield prediction service

Data driven services
- Earth observation
- Global Navigation Satellite System
- On field sensors
- On machine actuators
- Agricultural Knowledge

Artificial Intelligence technologies
- Machine vision technologies
- Machine learning Algorithms
A roadmap to the market

**Greek Pilot**
**Peach orchards**

The pilot in Greece focuses on the full management of peach orchards, benefiting from the capability to overcome the limitation of EO and UAV data which cannot provide accurate results in orchards crops due to tree...
Thank you!

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