



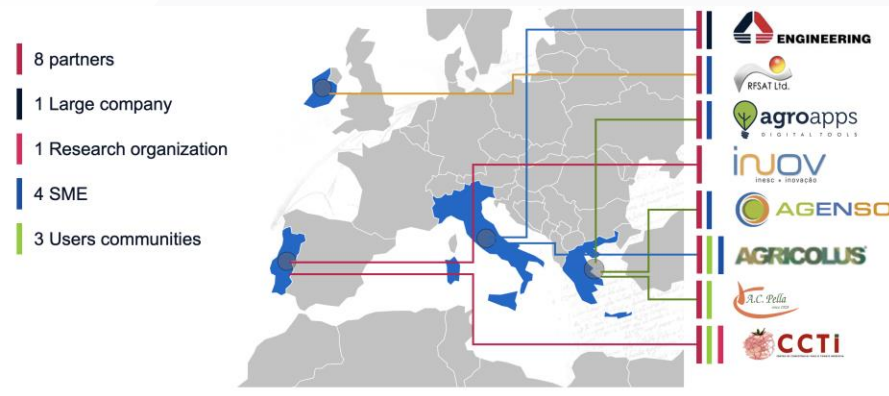
# AgriBIT

## AgriBIT Project

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

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Project Coordinator



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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

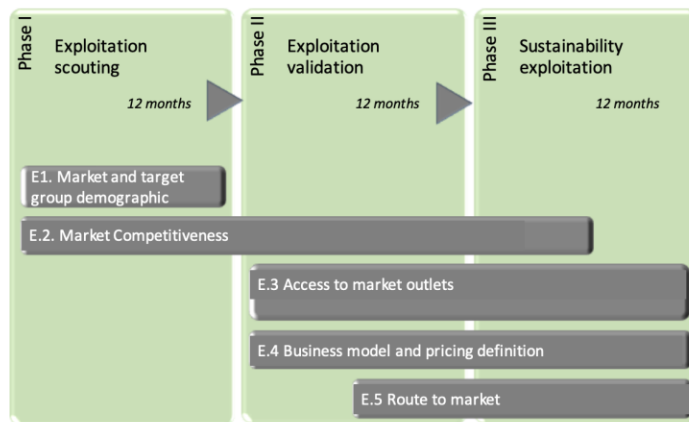
Artificial Intelligence technologies

Machine vision technologies

Machine learning Algorithms



# A roadmap to the market



## Portuguese Pilot Tomatoes

The pilot in Portugal focuses on the detailed management of diseases, speeding up the detection of diseases earlier during the growth period and delivering the ability to apply corrective measures earlier than without the use of GNSS services, i.e. before the harvest.



## 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



## Italian Pilot Vineyards

The pilot in Italy focuses on the management of 200 ha of vineyards, with a focus on being able to improve automatic guidance, decrease water usage and connect AgriBIT services to other management platforms.



# Thank you!

**Giuseppe Vella**  
Project Coordinator

**AgriBIT**

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