

# FOODIE



FARM-ORIENTED OPEN DATA IN EUROPE

## Project ID Card

- Partially funded under the ICT Policy Support Programme (ICT PSP) as part of the Competitiveness and Innovation Framework Programme by the European Commission
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- Theme 2: Digital content, open data and creativity
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## What is FOODIE?

FOODIE is a platform hub on the cloud where spatial and non-spatial data related to agricultural sector will be available for agri-food stakeholders groups. FOODIE approach boosts better adoption of ICT technologies and also sustain for deeper collaboration among stakeholders across the agri-food chain. Utilizing the development of Internet and web technologies, FOODIE can provide different Decision Support Systems (DSS) which effectively manage the production and decision-making processes.

Three pilots have been implemented in order to demonstrate the concept of the project:

- Pilot 1: Precision Viticulture (Spain) which is devoted to the precision viticulture, i.e. the appropriate management of the inherent variability of crops.
- Pilot 2: Open Data for Strategic and Tactical planning (Czech Republic) which focuses on improving management of farms, introducing new tools and management methods.
- Pilot 3: Technology allows integration of logistics via service providers and farm management including traceability (Germany) which deals with the integration of the German machinery cooperatives organisation as service provider connected to farm management and logistic systems.

## What are the main FOODIE platform specialised services?

- Farmers**
- Optimized time for cultivation activities
  - Optimized m<sup>2</sup> precise resource management on the field
  - Maximization of economic benefits through support on crop selection based on future markets prices
  - Tools for his economical calculations
- Early warning practitioners**
- Information to concentrate their efforts in areas where problems with agricultural production are being experienced as a result of natural or socio-economic pressures
- Monitoring and evaluation experts**
- Information to concentrate their efforts in areas where problems with agricultural production are being experienced as a result of natural or socio-economic pressures
- Agricultural researchers**
- Agricultural information necessary to execute their research activities

- National/Regional Ministers of Agriculture**
- Information for supporting them to organize subsidies
  - Information for evaluating landscape changes, cadastre and land taxes
- Logistic service experts**
- Detailed information to do the right actions at the right field to find the right roads to the field and be there at the right time as well as deliver goods to the food industry "just in time"
- Bankers and Insurance**
- Information to get a business-plan to be able to finance the farmers/foresters and get output from the LPIS including a calculation of the growth period (costs and expected return)
  - Information to make the right policies for the right crops on the right fields as they also can get output from the LPIS system that tells which farmer has which crops and how many hectares including a map and use this as a base for the insurance-policy
- All**
- Facilitate the provision of knowledge, skills, relevant experiences, best practices and formal training

## Keywords

Open data, Agri-food, Precision Farming, Environmental Monitoring, GEOSS, Farm Management Information Systems, Cloud Computing, Geographic Information, Satellite Data, Land Parcel Identification System, ICT, Sensor and Remote Sensing Data

## Learn more

Learn more about the project goals, activities and results. Visit the project website [www.foodie-project.eu](http://www.foodie-project.eu). Follow us on social networks and join the FOODIE project community.



## Coordinator

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## Beneficiaries

- seresco** Seresco, S.A (SPAIN)
- WIRELESSINFO** Wirelessinfo (CZECH REPUBLIC)
- CTIC** Centro tecnológico para el desarrollo en Asturias de las tecnologías de la información (SPAIN)
- PSNC** Poznan Supercomputing and networking center (POLAND)
- netcad** Ulusal CAD ve GIS Cozumleri Muhendislik Bilgisayar Egitim Ticaret AS (TURKEY)
- BODEGAS TERRAS GAUDA** Bodegas Terras Gauda S.A (SPAIN)
- MJM Litovel a.s.** MJM Litovel AS (CZECH REPUBLIC)
- PROGIS** PROGIS Software GmbH (AUSTRIA)
- TEHNOLOĢIJU ATTĪSTĪBAS FORUMS** Technology Development Forum (LATVIA)
- enco** ENCO SRL (ITALY)
- BIM comunitel piave** Consorzio Bim Piave Comuni della Provincia di Belluno (ITALY)