

FOODIE



FARM-ORIENTED OPEN DATA IN EUROPE

Challenge

The agriculture sector is a unique sector due to its strategic importance for both European citizens (consumers) and economy (regional and global) which, ideally, should make the whole sector a network of interacting organizations. Rural areas are of particular importance with respect to the agri-food sector and should be specifically addressed within this scope.

The different groups of stakeholders involved in the agricultural activities have to manage many different and heterogeneous sources of information that need to be combined in order to make economically and environmentally sound decisions, which include among others the definition of policies (subsidies, standardisation and regulation, national strategies for rural development, climate change), valuation of ecological performances, development of sustainable agriculture, crop recollection, timing and pricing; plagues detection etc. Such processes are very labour intensive because most parts have to be executed manually and the necessary information is not always available or easily accessible.

In this context, future agriculture knowledge management systems have to support not only direct profitability of agriculture or environment protection, but also activities of individuals and groups allowing effective collaboration among groups in the agri-food industry, consumers, public administrations and wider stakeholders communities, specially in the rural domain.

Objectives

FOODIE project aims at

- building and open and interoperable agricultural specialized platform hub on the cloud for the management of spatial and non-spatial agriculture related data from heterogeneous sources;
- integrating of existing and valuable European open datasets related to agriculture;
- data publication and data linking of external agriculture data sources contributed by different public and private stakeholders, through an open and flexible lightweight Application Programming Interface (API), allowing
- providing specific and high-value applications and services for the support in the planning a decision-making processes of different stakeholders groups related to the agricultural and environmental domains,
- providing a marketplace where data can be discovered and exchanged but also external companies can publish their own agricultural application based on the data, services and applications provided by FOODIE.

Project ID Card



• Funded under the EU Seventh Framework Programme for research, technological development and demonstration

- Call: CIP-ICT-PSP-2013-7
- Theme 2: Digital content, open data and creativity
- Total cost: € 5,291,971
- EU contribution: € 2,960,985
- Grant agreement no: 621074
- Execution: 01/03/2014 to 28/02/2017
- Contract type: ICT-PSP Pilot Type B
- Project website: www.foodie-project.eu



Pilot scenarios

FOODIE concepts and objectives will be realized by means of the resulting service platform hub, which will be demonstrated in three different pilots scenarios across Europe, providing each of them thus a set of common and specific requirements:

- **Pilot 1: Precision Viticulture (Spain)** will focus on the appropriate management of the inherent variability of crops, an increase in economic benefits and a reduction of environmental impact.
- **Pilot 2: Open Data for Strategic and Tactical Planning (Czech Republic)** will focus on improving future management of agricultural companies (farms) by introducing new tools and management methods, which will follow the cost optimization path and reduction of environmental burden, improving the energy balance while maintaining the production level.
- **Pilot 3: Technology allows integration of logistics via service providers and farm management including traceability (Germany)**. This pilot will focus on integrating the German machinery cooperatives systems with existing farm management and logistic systems as well as to develop and enlarge existing cooperation and business models with the different chain partners to create win-win situations for all of them with the help of IT solutions.

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Beneficiaries

seresco

Seresco, S.A (SPAIN)

WIRELESS INFO

Wirelessinfo (CZECH REPUBLIC)

CTIC
Centro Tecnológico

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
Software that shows

PROGIS Software GmbH (AUSTRIA)

TEHNOLOGIJU ATTISTIBAS FORUMS

Technology Development Forum (LATVIA)

enco
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ENCO SRL (ITALY)

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