OBJECTIVES

FOODIE project aims at:

- building an 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 existing and valuable European open datasets related to agriculture;
- linking of data publication with data from external agriculture data sources, through an Application Programming Interface (API);
- providing specific and high-value applications and services for the support in the planning of decision-making processes of different stakeholders groups;
- providing a marketplace where data can be discovered and exchanged and external companies can publish their own agricultural application based on the data, services and applications provided by FOODIE.

INNOVATIVE ASPECTS

FOODIE project presents a number of innovative aspects:

- Cloud deploying of basic and standardized services, decreasing not only deploying costs but also production and maintenance costs;
- Easily discoverability and composability of services;
- "Pay as you go" paradigm;
- Reward mechanisms for data sharing;
- Clear Return of Investment (ROI) for the end user;
- Multi-device/multiplatform/multipurpose front-ends.

DESCRIPTION OF THE PILOTS

FOODIE concepts and objectives will be realized by means of the resulting service platform hub, which will be demonstrated in three different pilot 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,
- **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,
- **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.

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CHALLENGE

The agriculture sector is a strategically unique sector which should ideally be constituted by a network of interacting organizations. In carrying out their activities, such stakeholders have to manage many different and heterogeneous sources of information, such as:

- definition of policies,
- valuation of ecological performances,
- development of sustainable agriculture, crop recollection, and definition of timing and pricing,
- plagues detection.

In this context, future agriculture knowledge management systems not only have to support the direct profitability of agriculture or the environmental protection, but also have to combine and coordinate the efforts and the behaviours of the agri-food industry, consumers, public administrations and wider stakeholders communities.

Atos
www.atos.net

seresco
www.seresco.es

WIRELESSINFO
www.wirelessinfo.cz

CTIC Centro Tecnológico
www.fundacionctic.org

PSNC
www.man.poznan.pl

netcad
www.netcad.com

Bodegas Terras Gauda
www.terrasgauda.com

MJM Litovel a.s.
www.mjm.cz

PROGIS
www.progis.com

Technologijų attistbas forumas
Technology Development Forum
www.tdf.lv

enco engineering & consulting
www.enco-consulting.it

BIM comunidel piave
www.consorziobimpiave.bl.it

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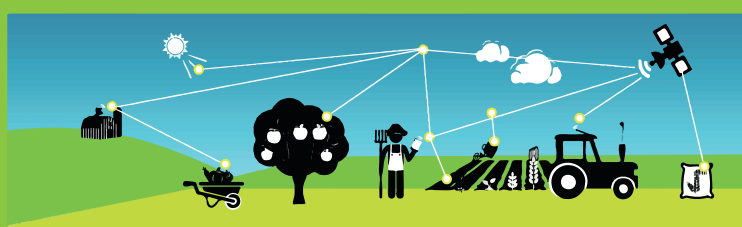
FARM-ORIENTED OPEN DATA IN EUROPE



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