FOODIE

FARM-**O**RIENTED **O**PEN **D**ATA **I**N **E**UROPE

FOODIE Newsletter

Issue 2 (October 2014)

FOODIE Team's corner

Dear Members of FOODIE Community,

FOODIE Team is pleased to welcome you to the second issue of the FOODIE newsletter, providing you with all the relevant news and progresses to keep you aware with the project development, up-coming events and summaries of the past events attended.

FOODIE project in brief

The FOODIE project aims at building an open and interoperable agricultural specialized platform hub on the cloud for the management of spatial and non-spatial data relevant for farming production and for integration of existing and valuable European open datasets related to agriculture. Moreover the FOODIE service platform serves the data publication and data linking of external agriculture data sources contributed by different public and private stakeholders, and for providing specific and high-value applications and services for the support in the planning and decision-making processes of different stakeholders' groups related to the agricultural and environmental domains.

FOODIE concepts and objectives will be demonstrated in three different pilot scenarios across Europe: Spain, Czech Republic and Germany.

Last progresses

- FOODIE pilots description and end-users requirements collection

Users and stakeholders have been the basis for collecting the requirements to design and further improve the FOODIE platform. Indeed, the primary objective of FOODIE project is to provide and tailor the services that will fulfil user concrete and daily needs.

By taking feedback from them, FOODIE Team will be able to define the FOODIE platform for true useful purposes.

During the requirement elicitation process the technical partners of FOODIE project identified for each pilot its scenarios. In detail, the three scenarios established for the Spanish pilot (Precision Viticulture) are:

- Scenario A – Registration of geo-located information about operations in field.

- Scenario B – Obtaining of recommendations and predictions of interest for vine-growers.

- Scenario C – Geographical, textual and numerical representation of the registered information.

The Czech pilot (Open data for strategic and tactical planning) will include three scenarios:

- Scenario A- Improving efficiency of transport in agriculture.

- Scenario B - Telematics of farm machinery.

- Scenario C - Monitoring of in-field variability for site specific crop management.

The German pilot (Integration of logistics via service providers and farm management including traceability) will comprise:

- Scenario A – Geographical Information System – WinGIS.

- Scenario B – Farm Management System – DokuPlant.

- Scenario C – Logistics Platform.

Since the FOODIE initial requirements will be extended, FOODIE Team will continue to gather further feedback from users and stakeholder (even from you!).

- First version of FOODIE service platform specification

Based on the initial elicitation of FOODIE pilots descriptions and end-user requirements, FOODIE technical team has successfully delivered the first version of FOODIE Service Platform Specification.

This document, comprises generic aspects of geospatial service-oriented architectures but that are applied and adapted to the agriculture application domain. Based on a glossary of architectural terms, the FOODIE Architecture provides a specification framework for system architects, information modellers and system developers, enabling them in an easy manner the (r) use of open data in the agricultural domain in order to create new applications that provide added value to different stakeholder groups.

In addition, FOODIE Architecture is a platform-neutral specification of the informational and functional aspects of service networks taking into account and evolving out of architectural standards and service specifications of ISO, OGC, W3C and OASIS. The structure of the FOODIE Architecture follows the viewpoints of the ISO/IEC 10746-1 Reference Model for Open Distributed Processing (RM-ODP) in the following manner:

- The FOODIE Enterprise Viewpoint reflects the policy context as well as the analysis phase in terms of the system and the user requirements as well as the technology assessment. Includes rules that govern actors and groups of actors, and their roles.

- The FOODIE Information Viewpoint provides a specification framework of all categories of information including their thematic, spatial, and temporal characteristics as well as their meta-information, with special focus on the agriculture domain. It also describes the manner in which FOODIE deals with the open data and semantic aspects of the data contained in the proposed platform.

- The FOODIE Service Viewpoint (in RM-ODP called Computational Viewpoint) specifies the interface and service types that aim at improving the syntactic and semantic interoperability between services, source systems and applications that will be available in FOODIE Service Platform.

- The FOODIE Technology Viewpoint focuses on the choice of technology used to implement FOODIE services and applications.

- The FOODIE Engineering Viewpoint focuses on the lower level hardware and software components that support FOODIE platform such as the required cloud infrastructure, communication protocols and sensor networks as well as related quality of service and security aspects of FOODIE platform.

Past events

FOODIE Project was presented at:

- "*eAgriculture*" workshop, IST-Africa 2014 Conference, 09 May 2014, Mauritius
- FOODIE-FAO-GFAR meeting, 28 May, Rome, Italy;
- 17th AGILE Conference, 03-06 June 2014 Castellón, Spain;
- 8th INSPIRE Conference, 16 June 2014, Aalborg, Denmark, co-charing the workshop "Open Data for Stimulation of SME Businesses in Agriculture, Transport, Tourism and Environment";
- AgriFuture Days 2014, 17 June 2014, Villach, Austria;
- Smart AgriMatics International Conference 2014, 18-19 June 2014, Paris, France;
- 18th ISAF- International Conference on Information Systems for Agriculture and Forestry, 15-17 September, Jelgava, Latvia;
- IYFF (International Year of Family Farming), 24-25 September in Kampala, Uganda;
- AGROPEC (Feria del Campo y de las Industrias Agricolas, Ganaderas, Forestales y Pesqueras), 26 - 28 September 2014, Gijón, Spain.

Next event

- Czech and Slovak INSPIRE conference, 25-26 November 2014, Pru*honice, Czech Republic.

Publications, Articles and Press Releases

Take a peak to the FOODIE Repository that gathers all the articles published on magazines of interest in order to disseminate and rise people awareness on the project objectives, activities and progresses. Click here to learn more!

We invite you to actively share your comments and experiences with agri-food, ICT, geographical information and open-data related topics by FOODIE social networks (Twitter, Facebook, LinkedIn, slideshare).

Do you know any interested connections in your sector that you would like to motivate to get involved in FOODIE project? FOODIE team can provide you with a brief presentation of the project that you can forward and hand-out to interested parties.

The FOODIE brochure gives an overview of the project's goals, background and strategy. You are invited to download the actual version of the document in English and Spanish.

www.foodie-project.eu

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