

Accelerating Internet-based Innovation in Agriculture and Food

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Opportunities of the Future Internet Accelerator Programme



Abstract

The development towards Internet-based information systems could significantly contribute to important challenges in the agri-food domain. For example, the Internet of Services (IoS), including Cloud Computing, has the potential to provide agri-food companies, including SMEs, with flexible and affordable solutions. Furthermore, the advanced sensing capabilities of the Internet of Things (IoT) allow to remotely monitor and control business processes from farming to the end customer.

This presentation will introduce opportunities of the Future Internet Accelerator Programme for Internet-based innovation in the food and agribusiness. This European programme aims to accelerate the development and adoption of Future Internet technologies in Europe, advance the European market for smart infrastructures, and increase the effectiveness of business processes through the Internet. The accelerator programme marks the third and last phase of the Future Internet Public-Private Partnership programme (FI-PPP). It started in the second half of 2014 and launched 16 new accelerator projects in different domains such as agri-food, transport, manufacturing, health, energy, smart-cities, multi-media and gaming. These accelerator projects use new mechanisms to give 80 million euros in grants to SMEs for application developments.

Three of the accelerator projects focus on the food and agri-business domain, i.e. FInish, SmartAgriFood and Fractals. They will manage open calls for SMEs and web entrepreneurs to be financially supported for the development of innovation applications and services, based on the technology enablers of the Future Internet programme (i.e. FI-WARE). At this, the three agri-food accelerator projects specifically encourage the usage of the FIspace platform as a basis when developing novel software applications.

Technology Enablers



Domain App Platform



App Development

16 Future Internet Accelerator Projects



AGRI-FOOD

Figure 1. Future Internet Accelerator Programme

Project	Domain	Objectives	Funding for SMEs	Partners
FInish	Food & Flower Chains	The FInish accelerator will foster the development and operation of intelligent software applications for supply chains of perishable products such as food or flowers. Application is open for SMEs, startups and web-entrepreneurs. Selection will be based on business potential, technological excellence and acceleration. Separate hackathons for natural persons and a competition for SMEs and start-ups will also be organized.	€4,88 Mio (1st call closed 10 Dec 2014, 2nd call Spring 2015)	ATB Bremen (Germany), Wageningen UR DLO (Netherlands), Euro Pool System International (Germany); CentMa (Germany), iMinds (Belgium), Campden BRI (Hungary), DCS Fondazione Democenter-Sipe (Italy), EBILTEM Ege University Science and Technology Centre (Turkey)
Smart AgriFood	Farming	SmartAgriFood aims to provide farmers and agricultural producers throughout Europe with ICT products (services and applications) ready for immediate use through an open and easily accessible online marketplace. Projects are expected to address one or more of three representative farming subsectors (Arable Farming - large-scale, Horticulture, Livestock Farming) and provide smart solutions for specific farm operations or farm management activities. New or existing applications should use FIWARE technologies and ideally be delivered through the FIspace platform (an integrated collaboration system).	€4 Mio (call closed 15 November 2014)	Wageningen UR DLO (Netherlands), EBN Innovation Network (Belgium), Bic Euronova (Spain), South East BIC (Ireland), TVT Innovation (France), Poznan University of Life Sciences (Poland), Poznan Supercomputing and Networking Centre (Poland), Danish Agency for Science, Technology and Innovation (Denmark), Aarhus University (Denmark)
Fractals	Farming	FRACTALS aims to support the community of innovative ICT SMEs and web-entrepreneurs to develop FIWARE based applications with high market potential, addressing the needs of the agricultural sector. FRACTALS Call will be open to all European SMEs and web-entrepreneurs but will additionally focus on areas which are considered as "white spots" (Balkans, South East Europe).	€5.5 Mio (call closes 28 February 2015)	Development Fund of Vojvodina (Serbia), ATOS (Spain), The National and Kapodistrian University of Athens (Greece), Wageningen UR DLO (Netherlands), University of Novi Sad (Serbia), SEPVE (Greece), Vojvodina ICT Cluster (Serbia), YASAD (Turkey), BASSCOM (Bulgaria)

Source: www.finish-project.eu / www.smartagrifood.com / fractals-fp7.com

