

## What is Flspace?

The Future Internet Public Private Partnership (FI-PPP) aims to advance Europe's competitiveness in Future Internet (FI) technologies and to support emerging FI-enhanced applications of public and social relevance. As a use case project in Phase 2 of the FI-PPP, Flspace is leveraging on outcomes of the Phase 1 use case projects "Finest" and "SmartAgriFood".

The aim of Flspace is to pioneer towards fundamental changes on how collaborative business networks will work in the future. Flspace will develop a multi-domain Business Collaboration Space (short: Flspace) that employs FI technologies for enabling seamless collaboration in open, cross-organizational business networks.



In total, Flspace will establish eight use case trial experimentation sites in Europe. This is where pilot applications for Agri-Food, Transport & Logistics are tested in early trials and also be prepared for industrial uptake (planned for FI-PPP phase 3) by engaging with players & associations from relevant industry sectors and IT industry.

## What is the Use Case Trial Greenhouse Management and Control about?

The scope of the trial is the enhancement of greenhouse management and control operations, aiming at demonstrating how the Business-to-Business collaboration among the domain stakeholders via the Flspace features, increases the agricultural productivity and revenues as well overall facilitates the diverse food chain business processes.

## Background & Vision of the Greenhouse Trial

Although seemingly, ICT and Agriculture originate from disparate human needs, the first domain proves to be of utmost significance to the second, in order to facilitate modern complex business processes related to agriculture. Agriculture and ICT domain joint effort has been an emerging field for some years, attempting to enhance the agricultural processes through sophisticated information and communication developments. Such aspects of the agriculture industry such as crop cultivation management and control, quality management, transport of food products and food preservation may all be enhanced by taking into account their domain-specific requirements and translating them into the respective functional design, development and applications by ICT experts. Precision farming, precision agriculture, Farm Management Information Systems (FMIS), are all terms, which introduce the notion of sophisticated processes using advanced information and communication tools and systems into agriculture processes -previously unexploited- over the last years. However, what is actually missing is a holistic, end-to-end solution, which is capable of bridging the diverse gaps between different –but directly associated- domains, related to the agri-food chain.

## How does it work?

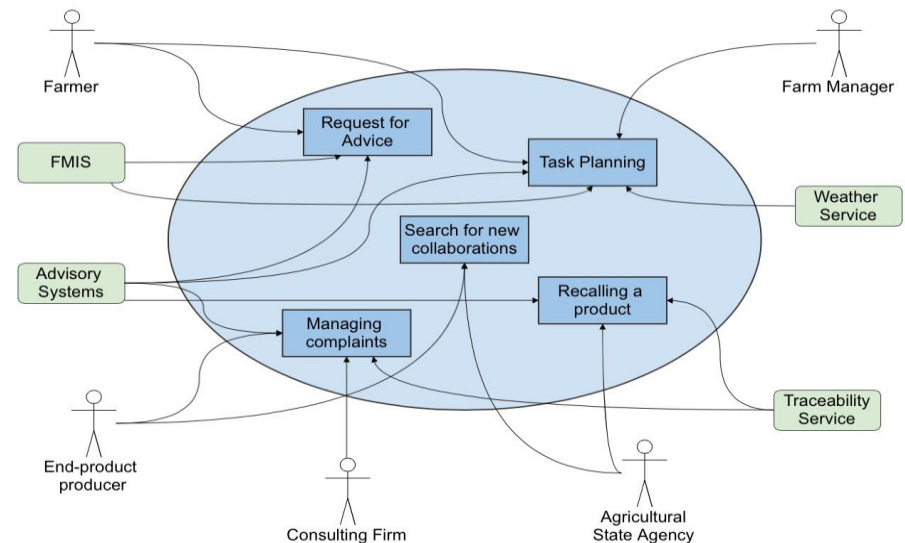
The Greenhouse trial aims at providing to the agri-food related business stakeholders new means of taking advantage of their legacy systems by integrating them into an end-to-end solution, the Flspace platform. Via domain-specific Flspace apps, which are developed, and in the context of diverse scenarios, the users will have the opportunity to participate in the several business collaborations set-up and running on the Flspace cloud to improve their business from multiple perspectives.

## The benefits of the Greenhouse Trial

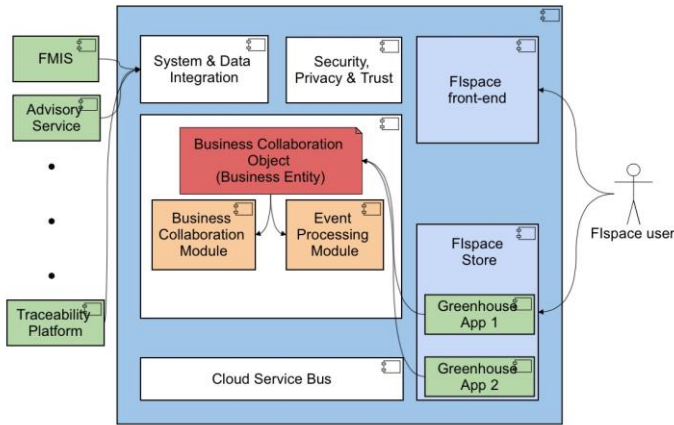
For each one of trial scenarios, several business stakeholders are participating, i.e.: farmers, greenhouse managers, advisory services enterprises, agronomists, end-product producers, Farm Management Information System (FMIS) owners, an agricultural state agency, a weather service, as well as a product traceability platform. What is going to be tested, is whether and to which extent, certain Business KPIs are improved.

Overall, via the use cases, which will be presented below, it is expected that:

- Farm managers/Farmers will be able to manage their Greenhouses in a more efficient way and handle their tasks more efficiently
- End-Product Producers will be able to discover potential partners in a much more efficient way and retrieve updated information about products
- Legacy/Back-end systems' owners will deploy their systems in several collaborations.
- Developers will be able to upload their Apps via the Flspace Store
- Diverse business actors who will be involved in the different scenarios like Consulting Firms, State Agencies etc. will also gain profit from participating in such collaborative processes



## Greenhouse Trial and Flspace platform



## More Information on Greenhouse Trial

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## Flspace Facts

Project Name: Flspace: Future Internet Business Collaboration Networks in Agri-Food, Transport & Logistics

Duration: 01.04.2013 – 31.03.2015 (24 Month)

Call: FP7-2012-ICT-FI

Funding Scheme: Large-scale Integrating Project (IP)

## Consortium

Arcelik - TR	KTBL - DE
Aston University - GB	Kühne + Nagel - CH
ATB Bremen – DE	Kverneland - NL
ATOS - ES	LimeTri - NL
CentMa – DE	Marintek - NO
DLO - NL	Mieloo & Alexander - NL
ENoLL - BE	NKUA – GR
EuroPoolSystem - DE	North Sea Container Line – NO
FloriCode - NL	OPEKEPE – GR
GS1 Germany – DE	Plus Fresc – ES
IBM - IL	The Open Group – GB
iMinds - BE	University Duisburg Essen – DE
Innovators - GR	University Politecnica Madrid – ES
KocSistem - TR	Wageningen University - NL

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## More Information

[www.Flspace.eu](http://www.Flspace.eu)



Future Internet Business Collaboration  
Networks in Agri-Food, Transport & Logistics

# Greenhouse Management and Control



Use Case Trial related to theme:  
**Farming in the Cloud**



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