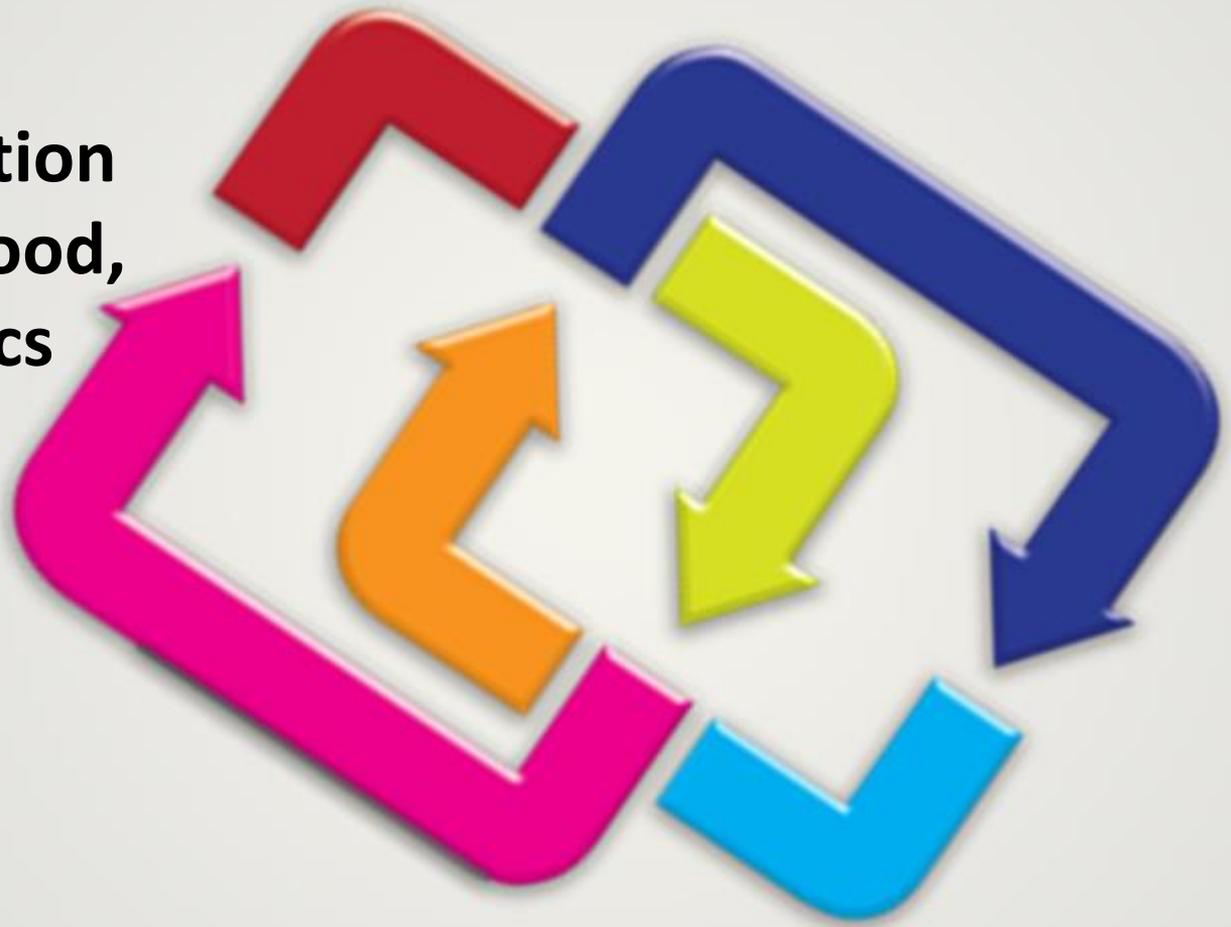


Future Internet Business Collaboration Networks in Agri-Food, Transport & Logistics



Short introduction
webinar, 24 July 2014



Sjaak Wolfert
Project Coordinator
LEI Wageningen UR





Outline

- Future Internet Public Private Partnership (FI-PPP)



- Flspace
 - B2B platform with App store & B2B collaboration core

FI-WARE serving usage areas

TARGET SERVICE AREAS



FI-WARE
FI-Lab

ENERGY

- Bigdata
- M2M Platform
- Things abstraction
- Semantic tools
- Virtual Sensors (CDVA)

MANUFACTURING

- M2M Platform
- Apps repository
- Semantic tools
- Virtual Sensors (CDVA)

LOGISTICS

- Bigdata
- M2M Platform
- Cloud solutions
- Apps repository
- Semantic tools

SMARTCITIES

- Bigdata
- M2M Platform
- Things abstraction
- Apps repository
- CEP
- Semantic tools
- Virtual Sensors (CDVA)

E-HEALTH & SAFETY

- Bigdata
- M2M Platform
- Semantic tools
- CEP
- Virtual Sensors (CDVA)

TOURISM & ENVIRONMENT

- Bigdata
- M2M Platform
- Things abstraction
- Apps repository
- CEP
- Semantic tools
- Virtual Sensors (CDVA)

CONTENTS

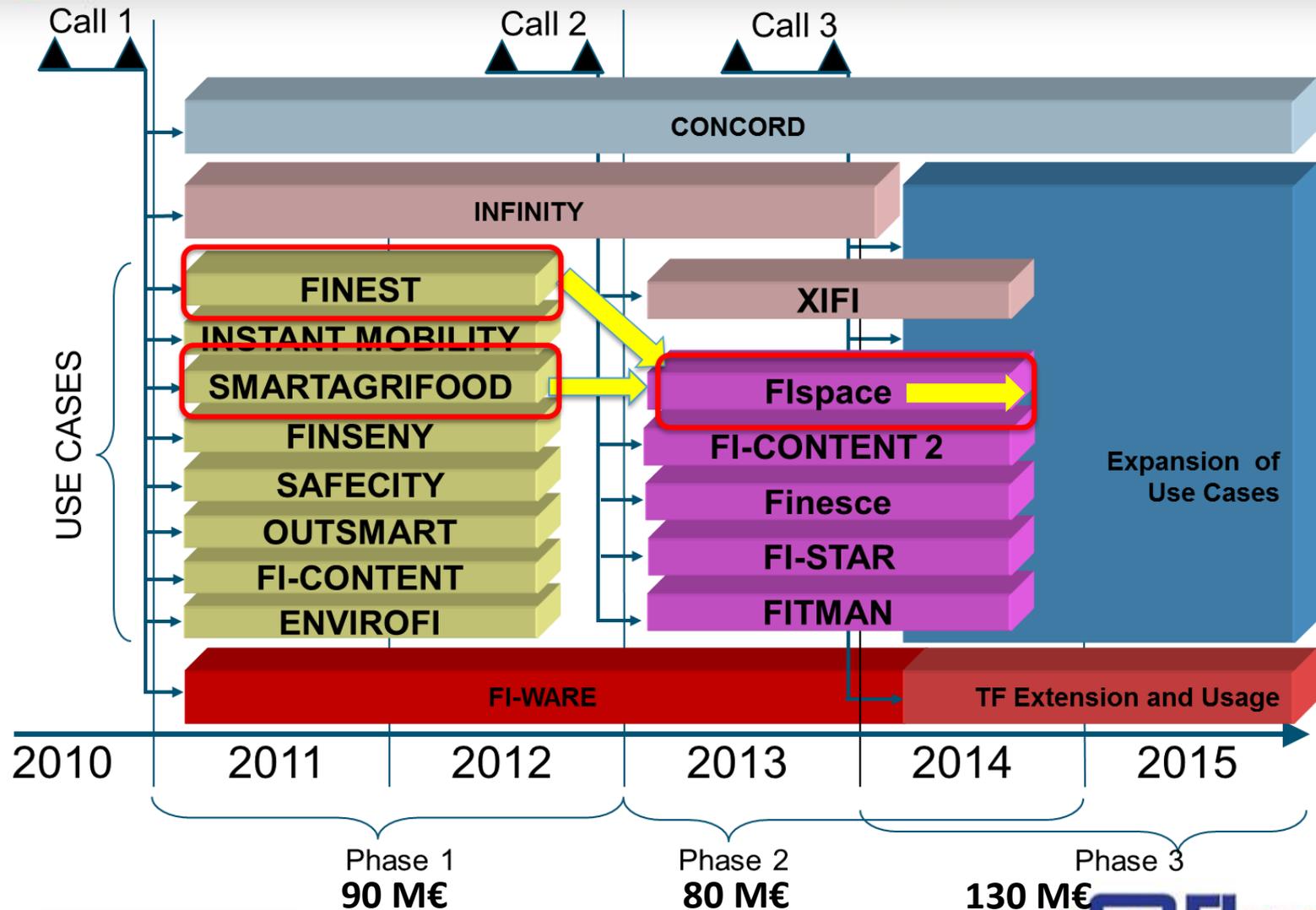
- Apps repository
- Semantic tools
- Video analysis

ICT in AGRIFOOD

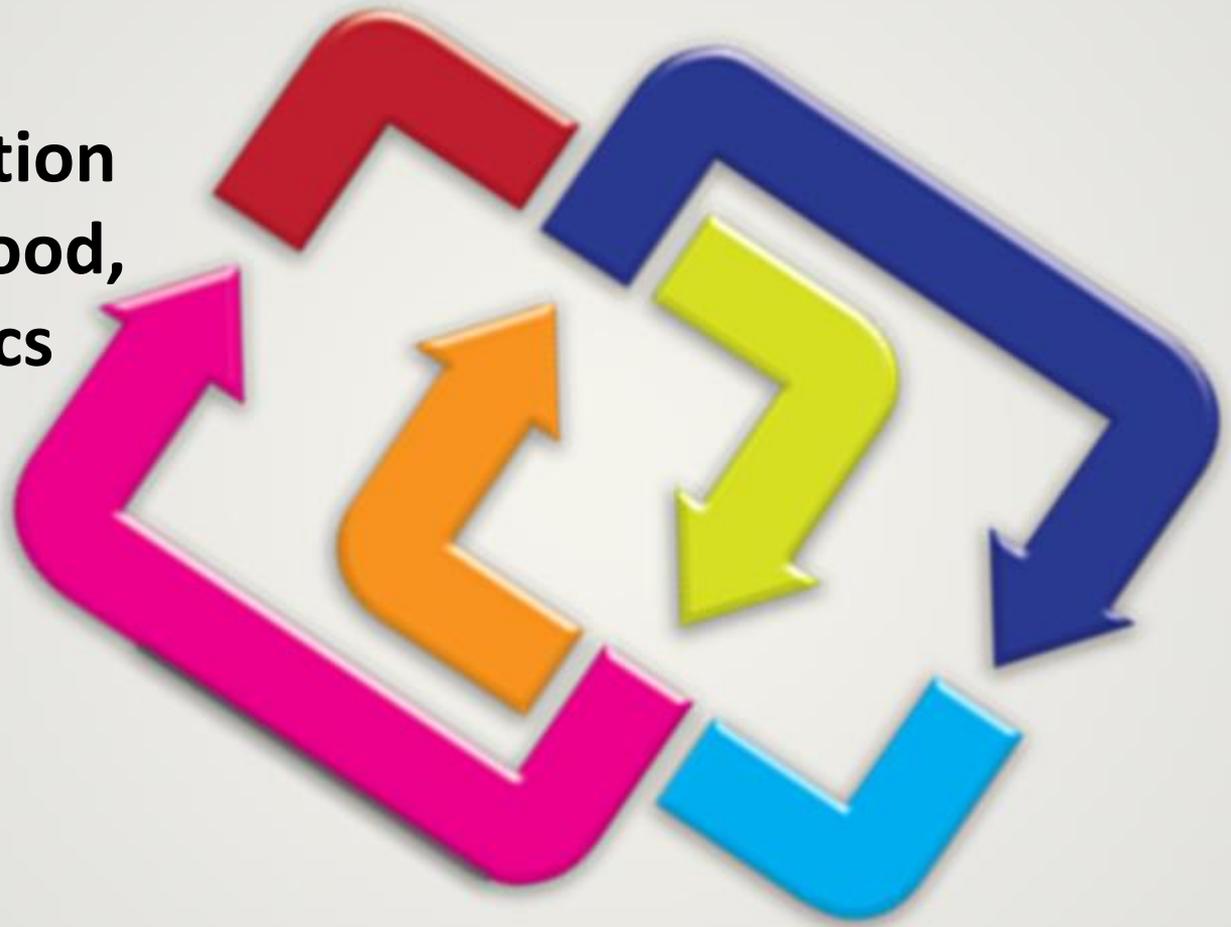
- Bigdata
- M2M Platform
- Things abstraction
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FI-PPP Programme Architecture

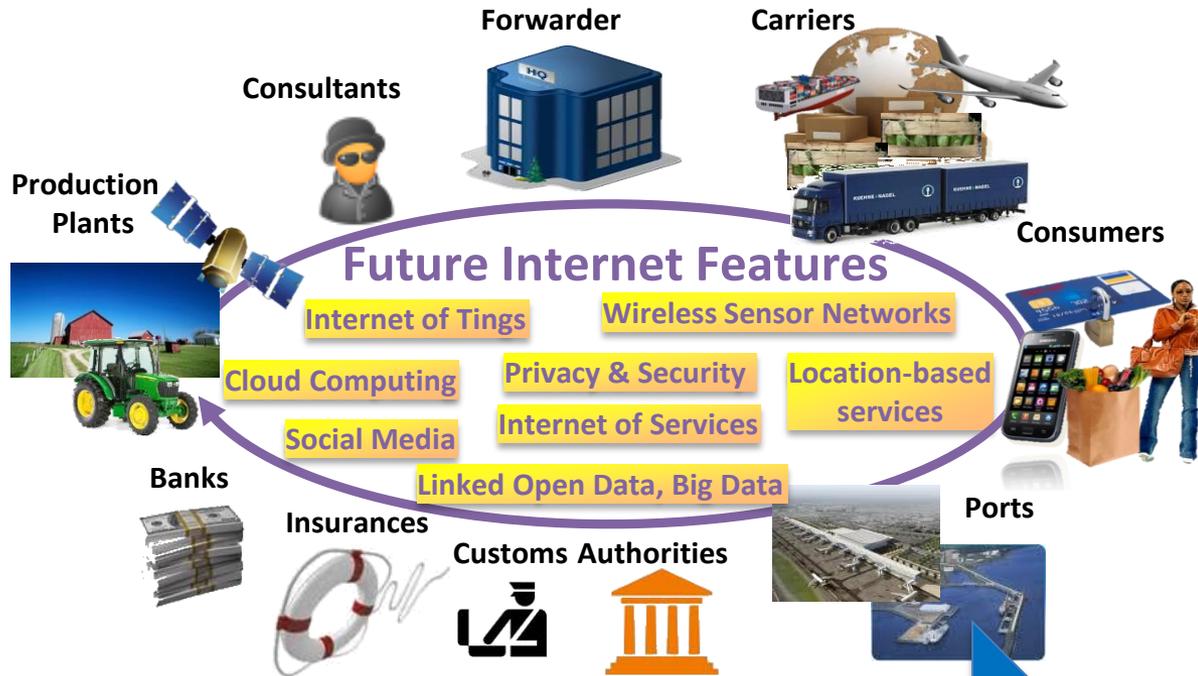


**Future Internet
Business Collaboration
Networks in Agri-Food,
Transport & Logistics**





Motivation and Impact



Agri-Food, Transport and Logistics:

- EU turnover: 1,500 billion €
- Efficiency: 148-220 billion € savings
- Sustainability: 26.5% of CO₂ emissions

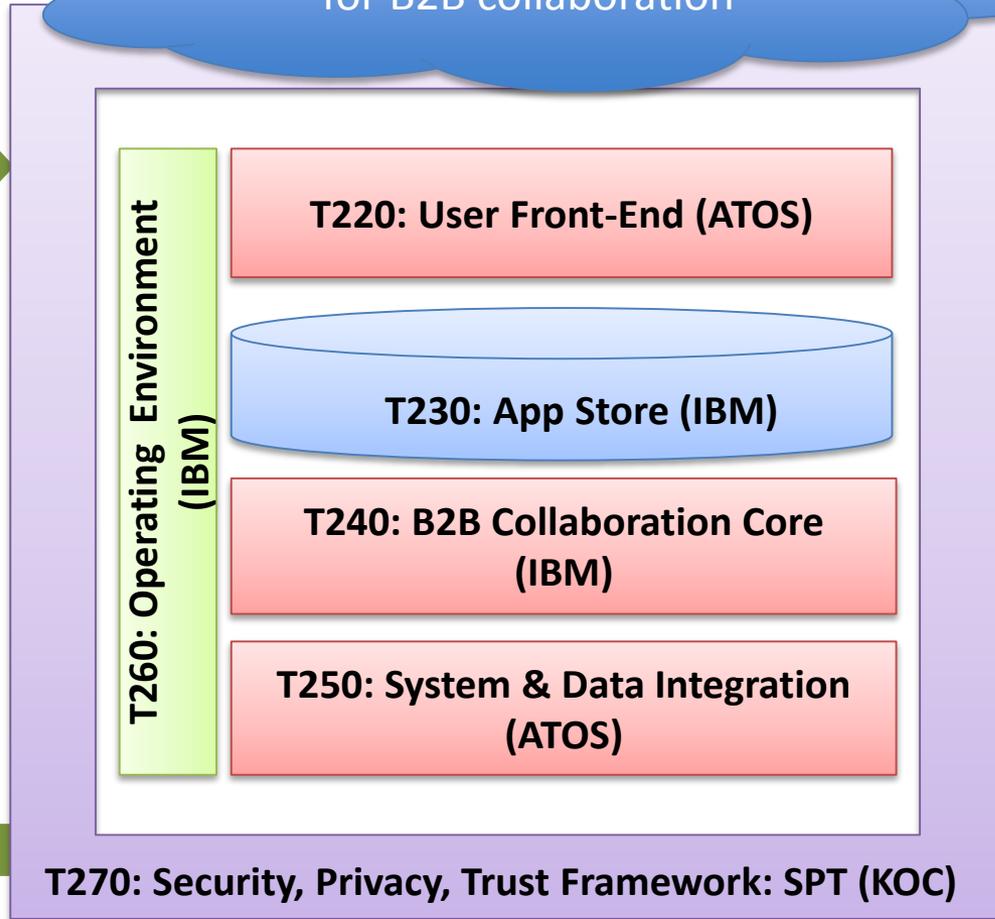
Flspace will facilitate:

- ... **seamless cross-organizational collaboration** (information exchange, communication, coordination of activities)
- ... **unprecedented transparency, visibility and control of processes** (using Internet-connected sensors and IoT devices)
- ... **rapid, easy, low cost development and deployment of customized solutions** (apps and services)
- ... **agile formation of business networks and ecosystems** (social networks and app/service markets)

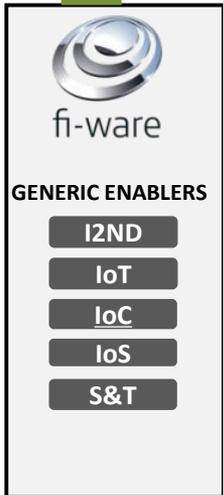


Fispace platform High Level Architecture

Fispace = the Facebook/LinkedIn for B2B collaboration



Base Technologies



Validation

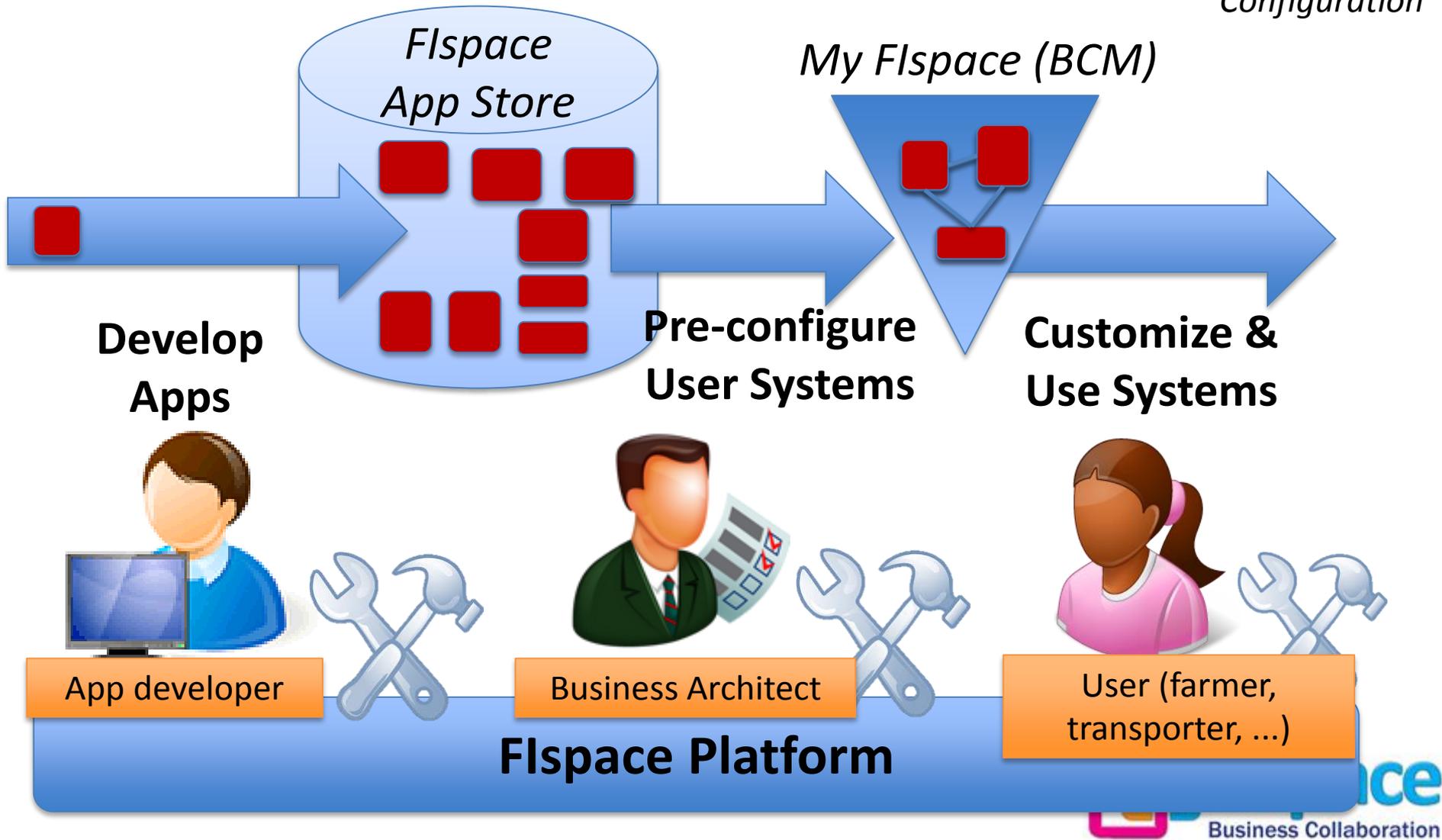
Trials:

1. Crop Protection Information Sharing
2. Greenhouse Management & Control
3. Fish Distribution & (Re-)Planning
4. Fresh Fruit and Vegetables QA
5. Flowers & Plants SC Chain Monitoring
6. Meat Information Provenance
7. Import & Export of Consumer Goods
8. Tailored Information for Consumers



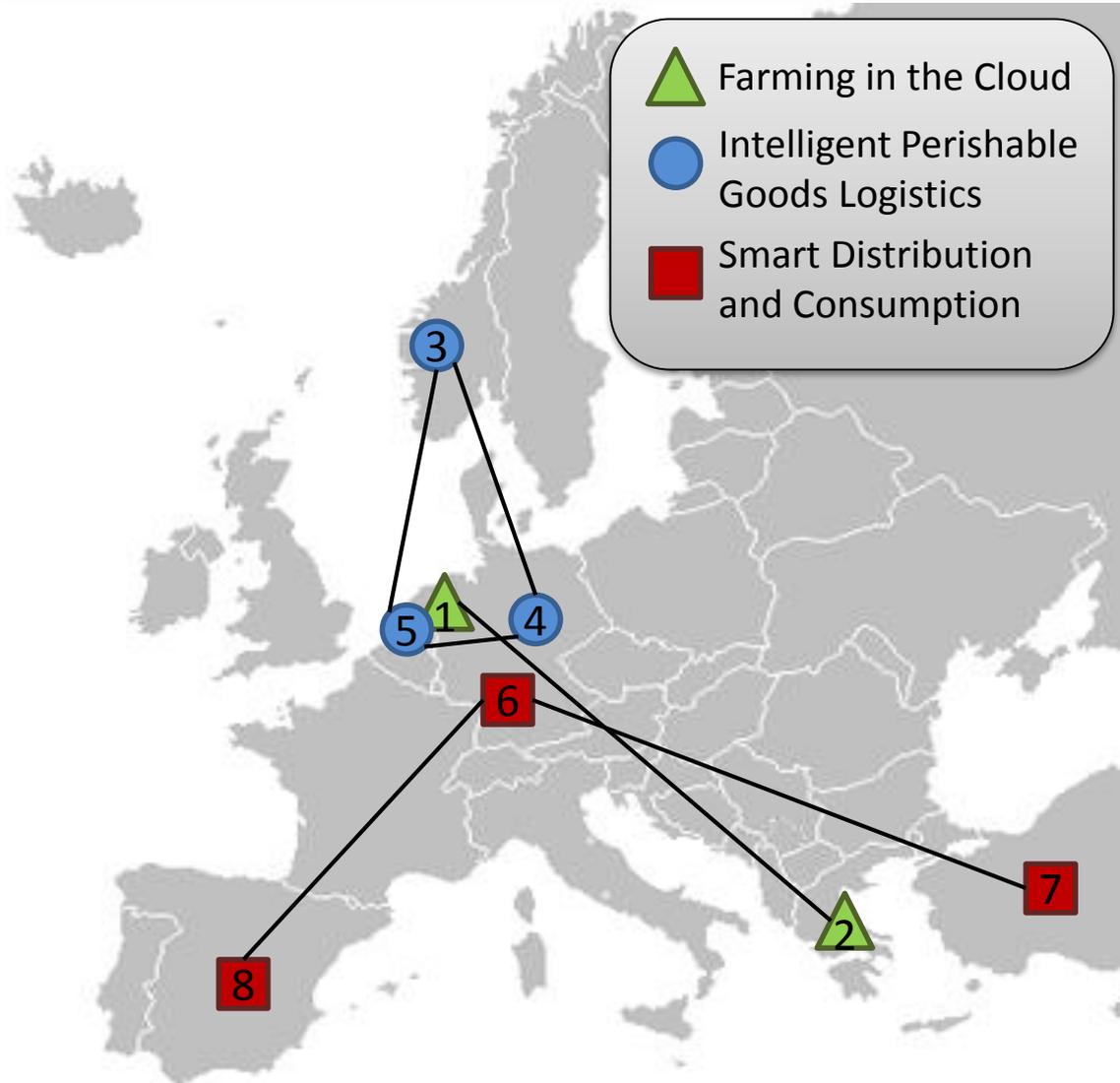
Flspace approach: Software Mass Customisation

*Single App
Configuration*





Use Case Trial Experimentation Sites



1. Crop Protection Information Sharing
2. Greenhouse Management & Control
3. Fish Distribution and (Re-) Planning
4. Fresh Fruit and Vegetables Quality Assurance
5. Flowers and Plants Supply Chain Monitoring
6. Meat Information Provenance
7. Import and Export of Consumer Goods
8. Tailored Information for Consumers



Project Details

- EU Seventh Framework Program (7FP)
 - Future Internet Public Private Partnership programme (FI-PPP)
- Project type: Collaborative Project - Large-scale Integrated Project (IP)
- Total budget: ~ 20 M€
- EU funding: 13.5 M€
- Duration: April 2013 – April 2015 (Phase II)
- Grant Agreement: 604123

Coordinator



Partners



Trial partners



MARINTEK



MIELOO & ALEXANDER



ΟΡΓΑΝΙΣΜΟΣ ΠΡΩΜΩΜΩΝ ΚΑΙ ΕΛΕΓΧΟΥ ΚΟΙΝΩΤΙΚΩΝ ΕΝΙΣΧΥΣΕΩΝ ΠΡΟΪΟΝΤΩΝ ΕΛΑΙΟΥ ΚΑΙ ΕΠΙΧΥΣΕΩΝ (Ο.Ι.Λ.Ε.Α.Σ.Ε.)

Technical partners



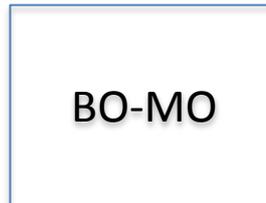
ΕΘΝΙΚΟΝ & ΚΑΠΟΔΙΣΤΡΙΑΚΟΝ ΠΑΝΕΠΙΣΤΗΜΙΟΝ ΑΘΗΝΩΝ
NATIONAL & KAPODISTRIAN UNIVERSITY OF ATHENS

Knowledge and networking partners





Open Call partners





Flspace ecosystem development

Industries
(converging)

Farming & Manufacturing



(Producers, Farmers, Manufacturers, Suppliers, ..)

Transport & Logistics



(Forwarder, Carriers, 3PL / 4PL, Ports, ...)

Wholesale & Retail



(Warehouses, Supermarkets, Stores, ...)

Health Sector



(Banks, Insurances, Authorities, ..)

Base Technologies



fi-ware
(+ follow up)

GENERIC ENABLERS

I2ND

IoT

IoC

IoS

S&T

**DEVELOPMENT
TOOLKIT**

Validation

T260: Operating Environment (IBM)

T220: User Front-End (ATOS)

T230: App Store (IBM)

T240: B2B Collaboration Core (IBM)

T250: System & Data Integration (ATOS)

T280: Software Development Toolkit: SDK (ATOS)

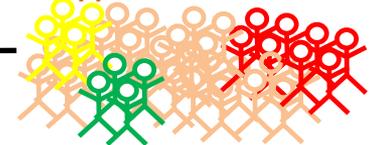
T270: Security, Privacy, Trust Framework: SPT (KOC)

ICT Industry
(going to the Cloud)

Business Configurators

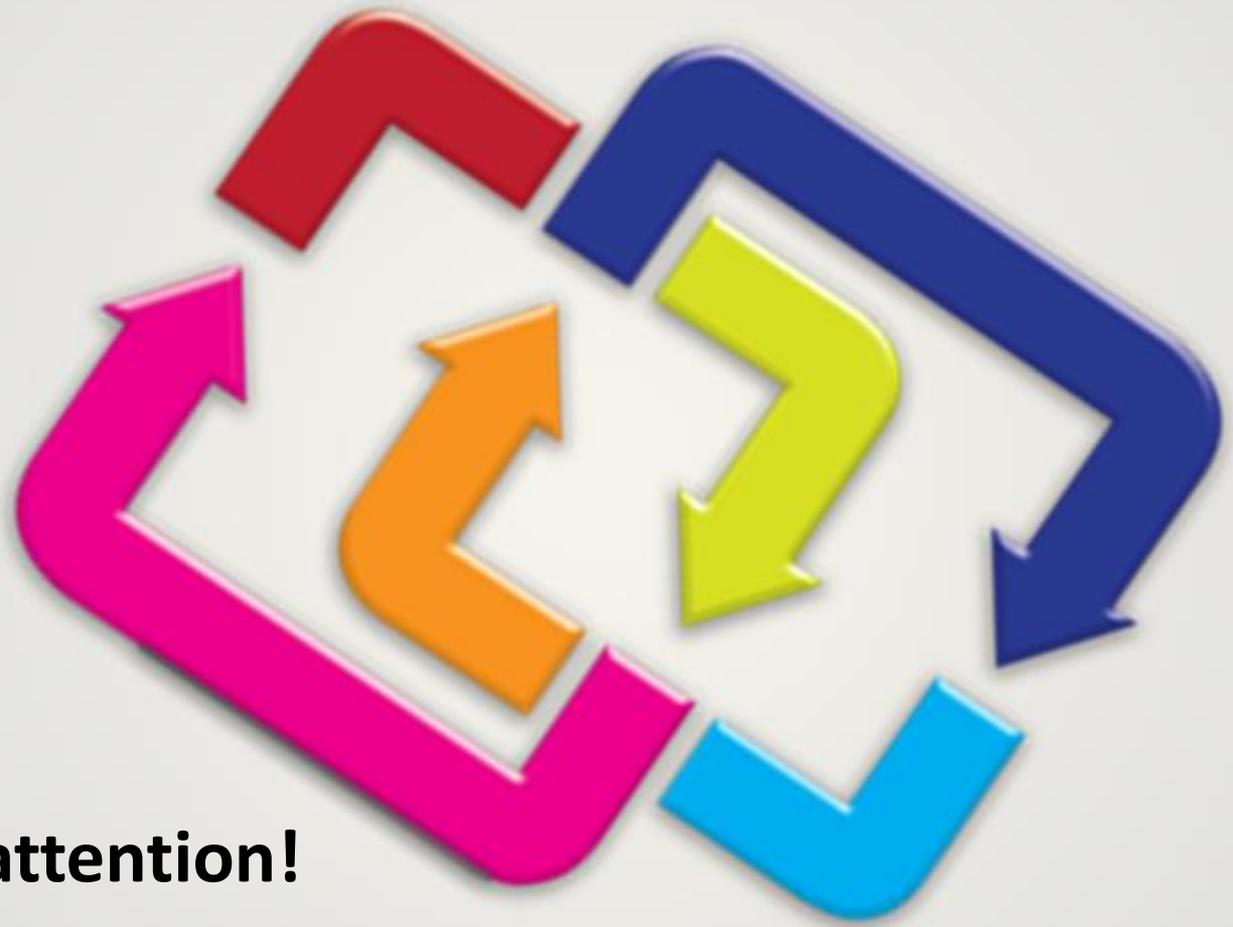


App & Service Providers



Cloud Operators & Infrastructure Providers





Thanks for your attention!



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www.Flspace.eu