

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



Short introduction
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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

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)



FI-WARE
FI-Lab

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

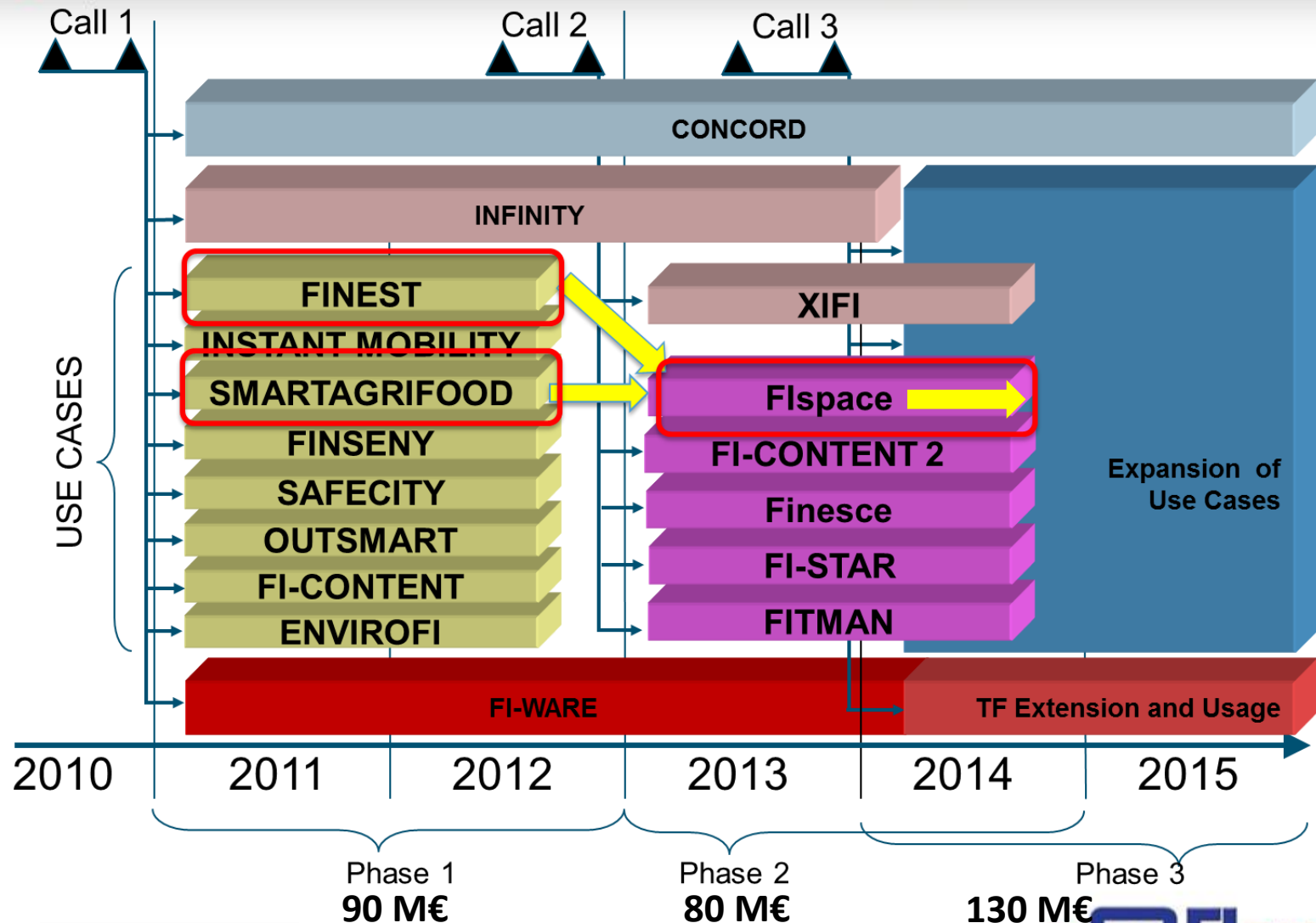
- Apps repository
- Semantic tools
- Video analysis

ICT in AGRIFOOD

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



FI-PPP Programme Architecture

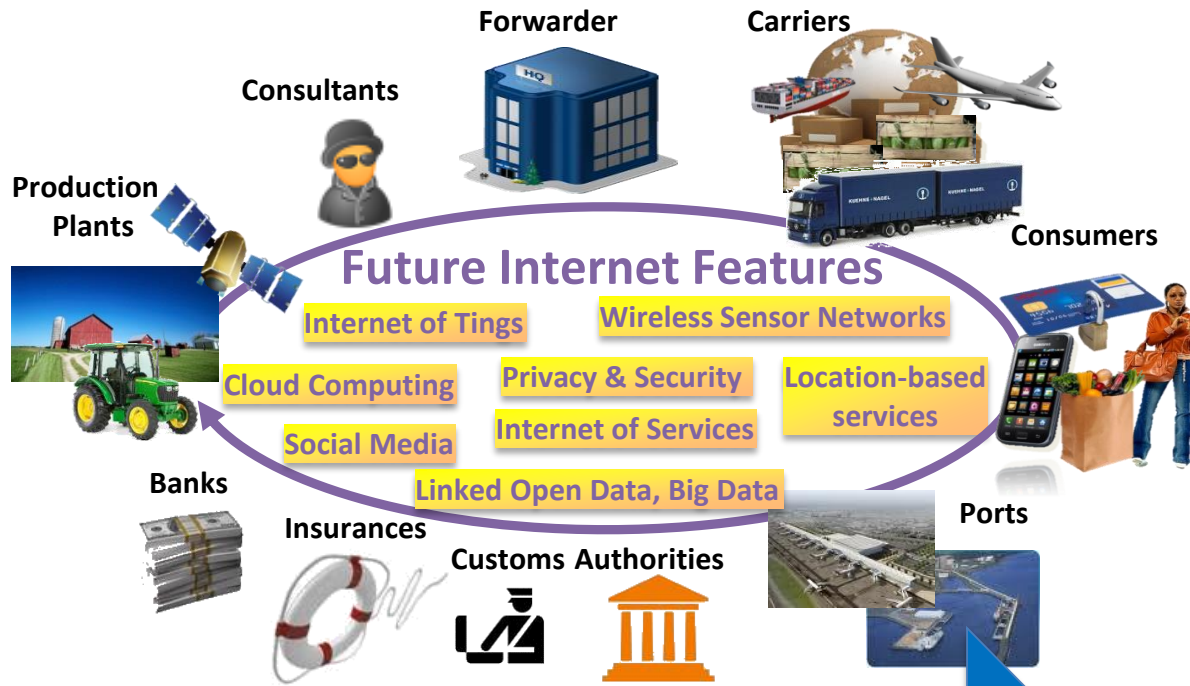


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Motivation and Impact



Agri-Food, Transport and Logistics:

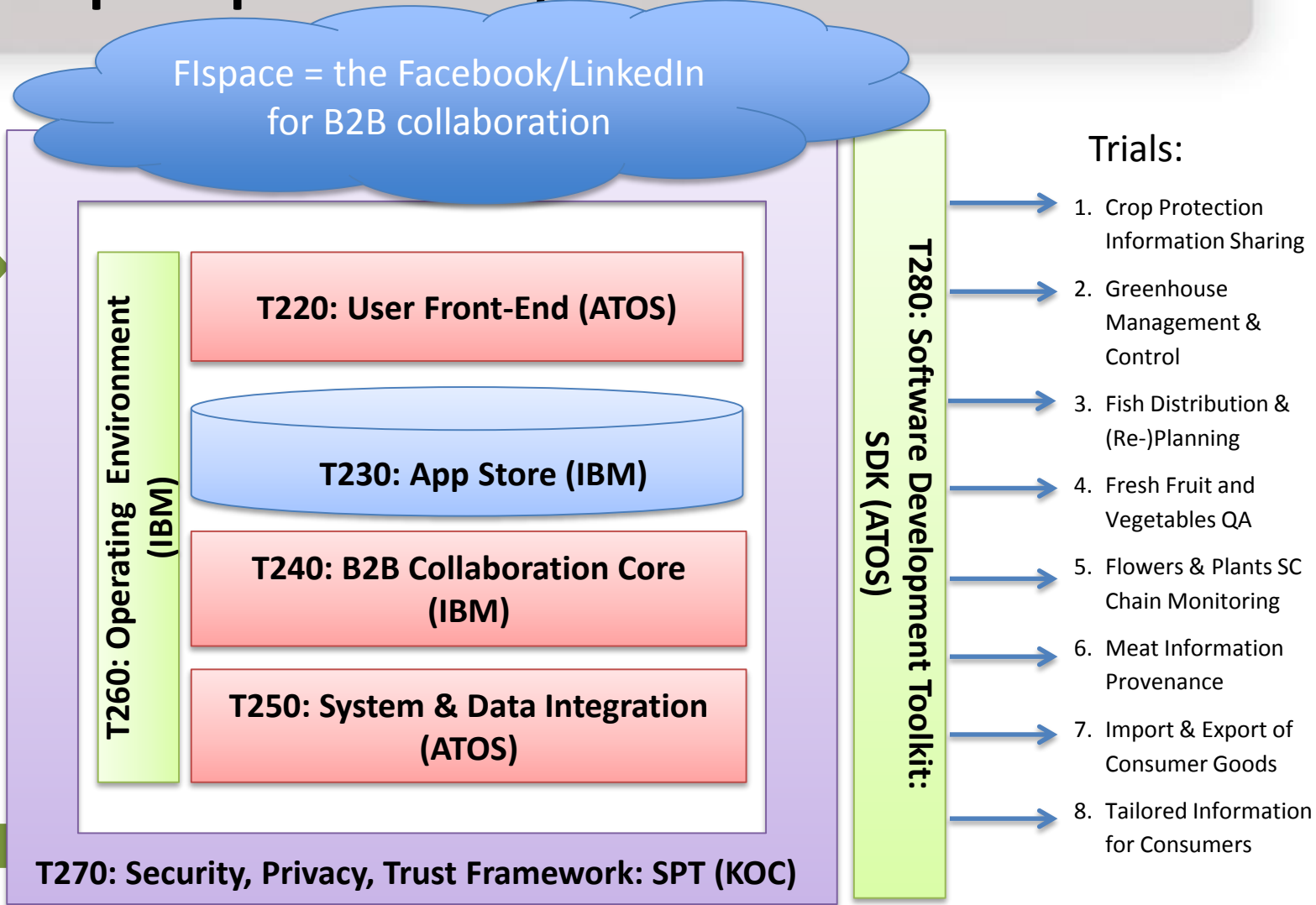
- EU turnover: 1,500 billion €
- Efficiency: 148-220 billion € savings
- Sustainability: 26.5% of CO₂ emissions

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)



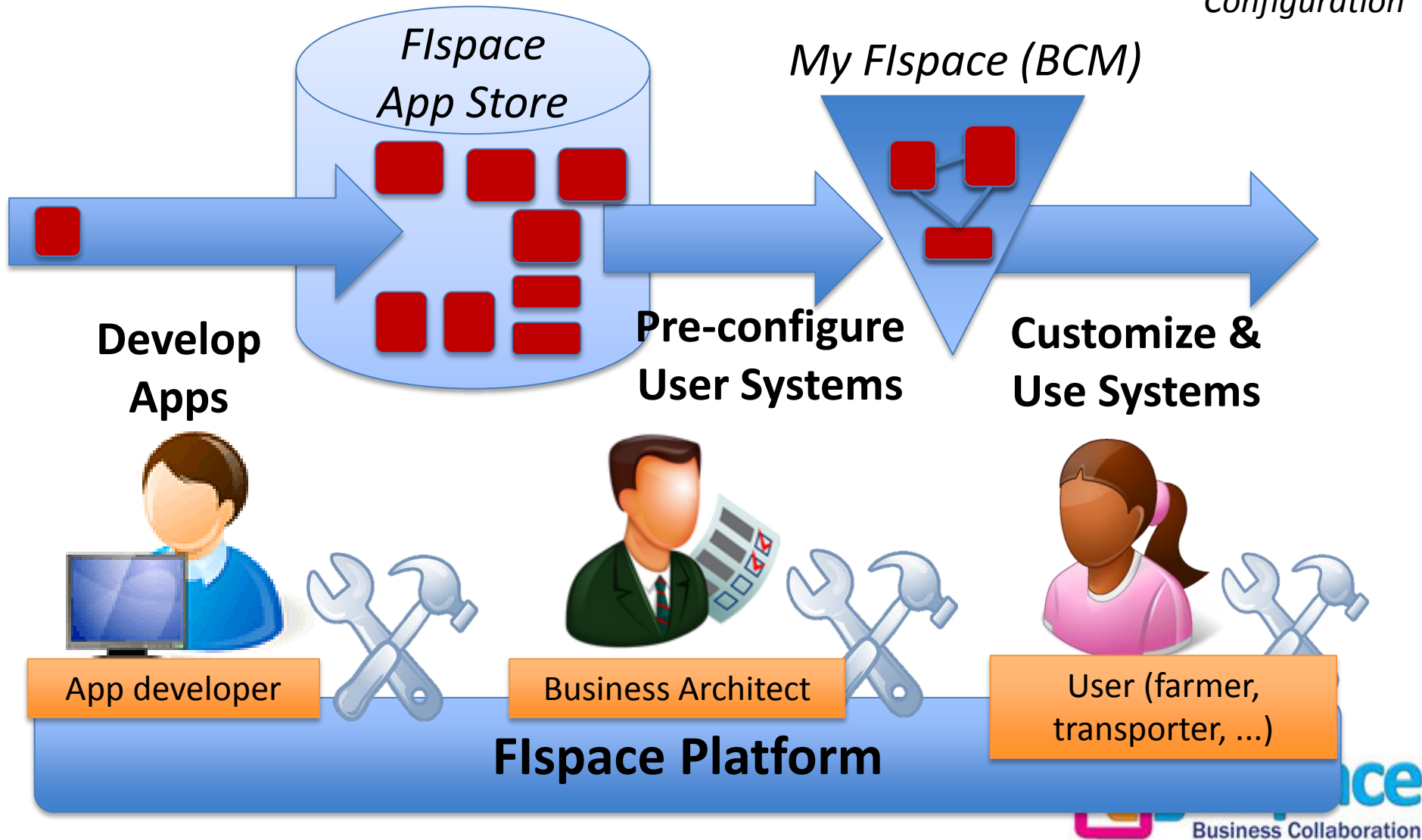
Flspace platform High Level Architecture





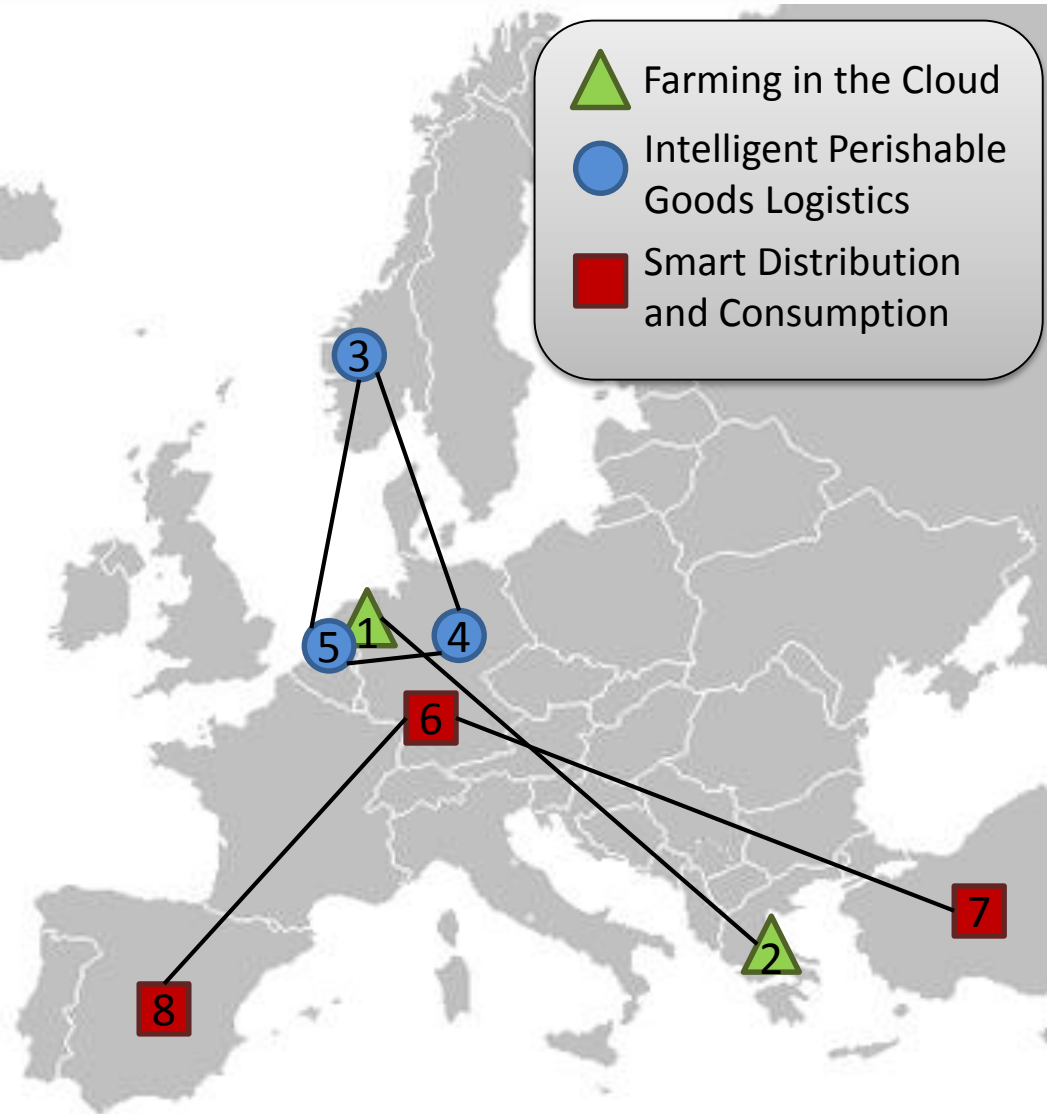
Flspace approach: Software Mass Customisation

*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



Technical
partners



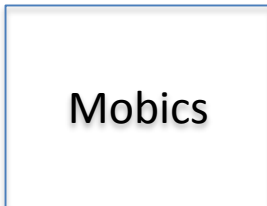
ΕΘΝΙΚΟΝ & ΚΑΠΟΔΙΣΤΡΙΑΚΟΝ
ΠΑΝΕΠΙΣΤΗΜΙΟΝ ΑΘΗΝΩΝ
NATIONAL & KAPODISTRIAN
UNIVERSITY OF ATHENS

Knowledge
and
networking
partners



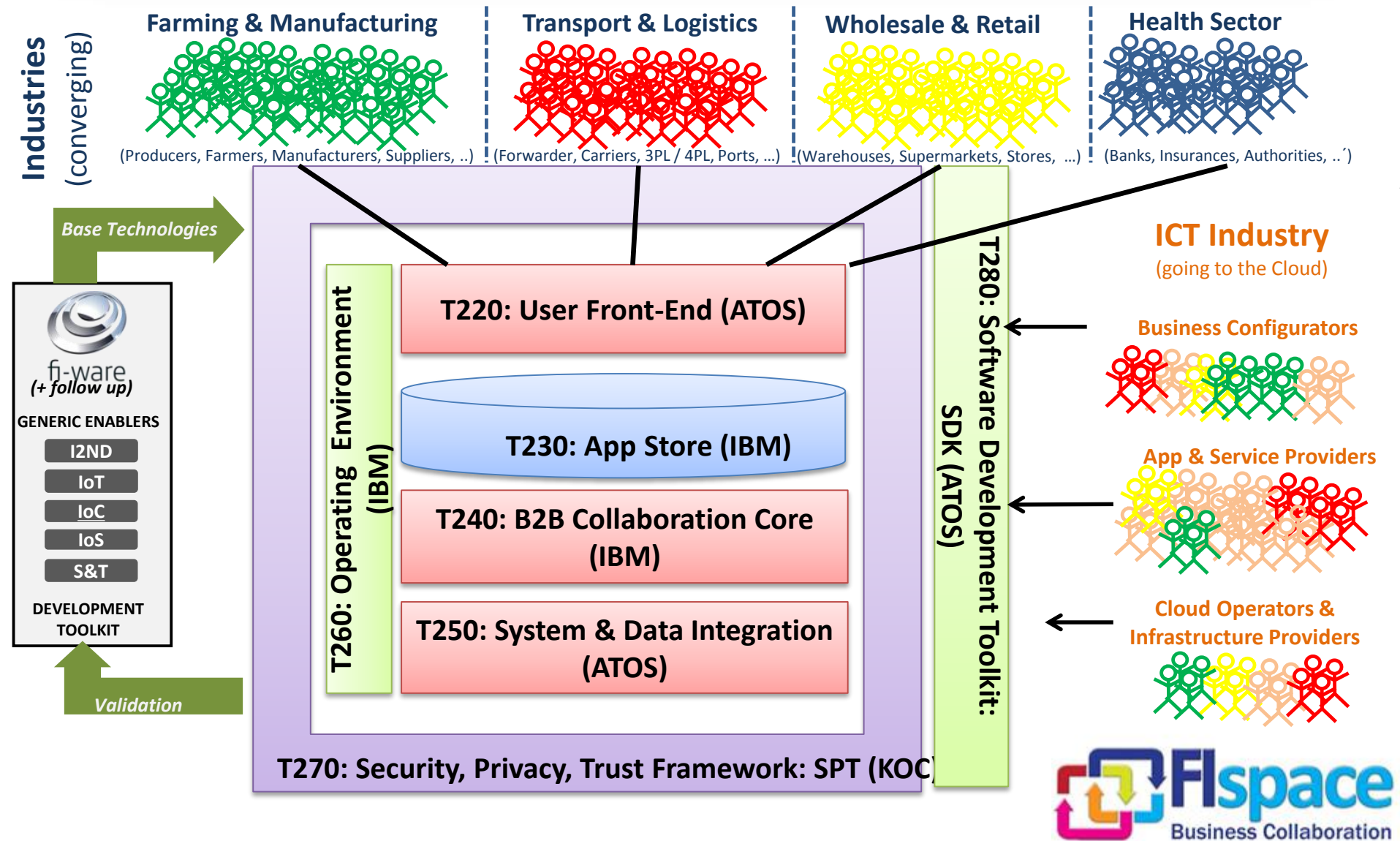


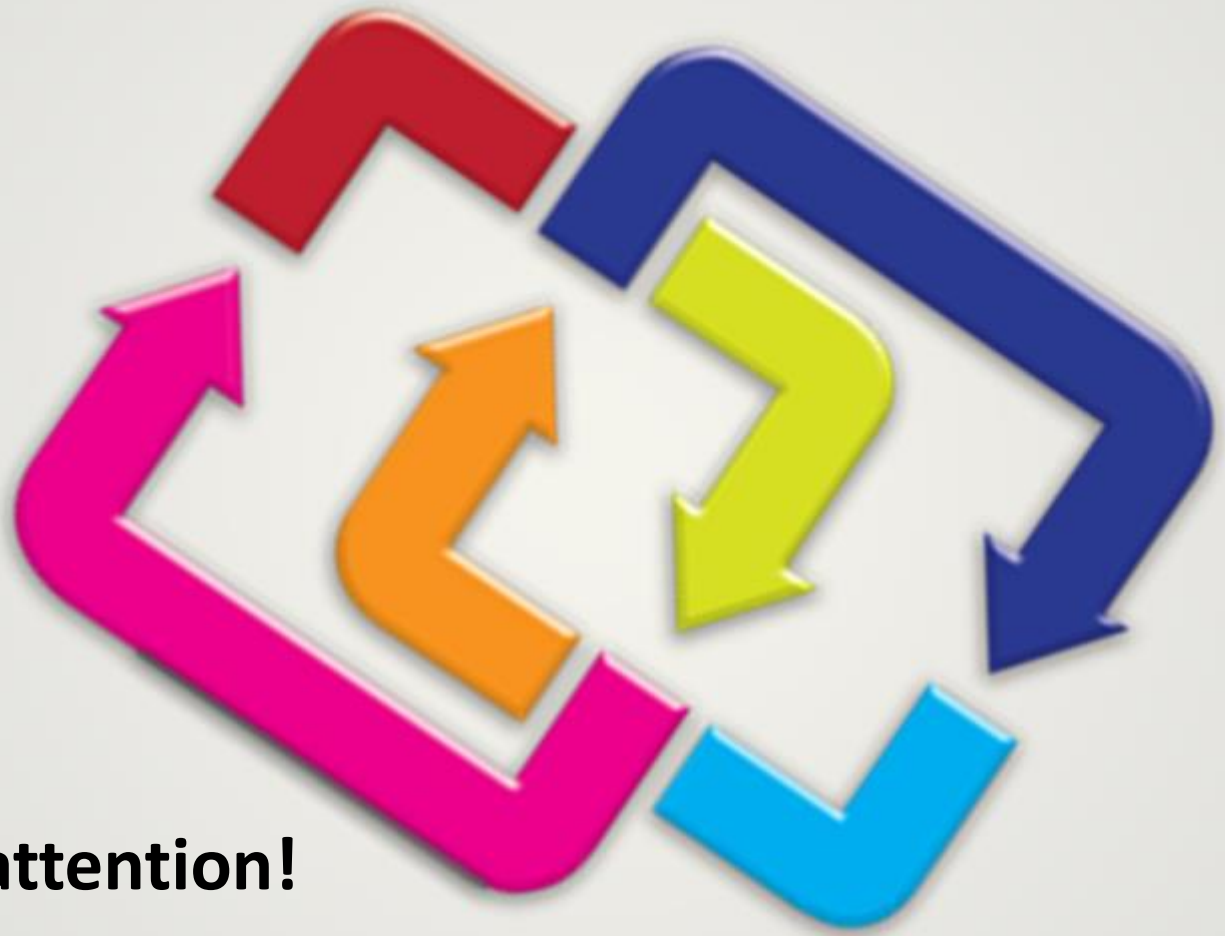
Open Call partners





Flspace ecosystem development





Thanks for your attention!