IOF2020 - STATE OF AFFAIRS

Highlights, achievements, sustainability, scale-up etc.

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Workshop European Industry Partnership
Amsterdam, April 17 2019
IoF2020 fosters a large-scale uptake of IoT in the European farming and food sector. In brief, it aims to:

1. Demonstrate the business case of IoT for a large number of application areas in farming and food sector;
2. Integrate and reuse available IoT technologies by exploiting open infrastructures and standards;
3. Ensure user acceptability of IoT solutions in farming and food sector by addressing user needs, including security, privacy and trust issues;
4. Ensure the sustainability of IoT solutions beyond the project by validating the related business models and setting up an IoT ecosystem for large scale uptake.
IOF2020 IN BRIEF

116 PARTNERS
ORGANISATIONS

28 COUNTRIES

4 YEARS
Start = January 2017

€35 MILLION
BUDGET
(€30 million co-funded under EU H2020 programme)
5 TRIALS, 33 USE CASES

- ARABLE
- FRUITS
- DAIRY
- VEGETABLES
- MEAT
TRIALS & USE CASES

A MULTI-ACTOR APPROACH

End-users
Infrastructure providers
IoT integrators
Researchers
TRIAL & USES CASES METHODOLOGY
LEAN APPROACH

TECHNOLOGY
IMPROVEMENTS
Fine tuning

ECOSYSTEM
END USER FEEDBACK
Involvement & co-creation

BUSINESS
KPIs EVALUATION
Measurement & monitoring

MVP1
Initial Deployment

MVP2
First Release

MVP3
Second Release

DEMO
Large scale
TECHNICAL / ARCHITECTURAL APPROACH

USE CASE REQUIREMENTS

- Use case architecture
- Use case IoT system developed
- Use case IoT system implemented
- Use case IoT system deployed

Project level:
- IoT reference architecture
- IoT catalogue
- IoT Lab

Instance of:
- Reusable IoT components
- Reference configurations & instances
- Collaboration Space

Reuse:
- IoT Lab
- IoT catalogue
- IoT reference architecture

Shared services & data:
- Reference configurations & instances
- Collaboration Space

Reuse:
- IoT reference architecture
- IoT catalogue

Sustain:
- IoT reference architecture
PROGRES

• Highlights:
  • Launch of Catalogue Re-usable components
  • 2 start-up partners successful
  • Cooperation machine builders

• Achievements:
  • 17 Use cases in MVP2+
  • Lively Annual Partner Events → cooperation between UCs
  • Open Call 14 new Use cases
  • Reputation in the AgriFood domain
STANDARDIZATION

• Horizontal & Vertical Agri-Chain integration
  • Diverse groups of stakeholders
  • Usually not 1 dominant player
  • Heterogeneous system, with diverse field of interest

• Smart Farm Management Systems: open approach
  • Fiware roots
  • Common information models easing interoperability
  • Data publication and marketplace platforms based on open standards

• Mapping of RAMI4.0 to the functional view of the IoT Architecture Reference Model
SUSTAINABILITY

• Focus in time:
  • Year 1  Focus on Technology
  • Year 2  Focus on Business
  • Year 3  Focus on Demonstration – convincing stakeholders
  • Year 4  Focus on Sustainability

• SmartAgriHubs
  • Dissemination and regional outreach
  • Re-usable services (IoF-WPs → SAH DIHs)
GAPS

• Demonstration skills
• Data Market Places
• Broadband coverage in Rural Area
STAY-TUNED VIA

- Website: [www.iof2020.eu](http://www.iof2020.eu)
- Twitter: [@IoF2020](https://twitter.com/IoF2020)
- Facebook: [IoF2020](https://www.facebook.com/IoF2020)
- LinkedIn: [IoF2020](https://www.linkedin.com/company/iof2020)
- Newsletter subscription & contact: [communications@iof2020.eu](mailto:communications@iof2020.eu)
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THANK YOU FOR YOUR ATTENTION!

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