



Future European Strategy & Funding opportunities

Agricultural digital integration platforms

DT-ICT-08-2019

Bilbao 05/06/2018

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Focus Area 'Digitising and transforming European industry and services', Platforms and Pilots

LEIT-ICT

<i>DT-ICT-07-2018-2019: Digital Manufacturing Platforms for Connected Smart Factories</i>	95 M€
<i>DT-ICT-08-2019: Agricultural digital integration platforms</i>	30 M€
<i>DT-ICT-09-2020: Digital service platforms for rural economies</i>	30 M€
<i>DT-ICT-10-2018-2019: Interoperable and smart homes and grids</i>	30 M€
<i>DT-ICT-11-2019: Big data solutions for energy</i>	30 M€
<i>DT-ICT-12-2020: The smart hospital of the future</i>	25 M€
<i>DT-ICT-13-2019: Digital Platforms/Pilots Horizontal Activities</i>	4 M€

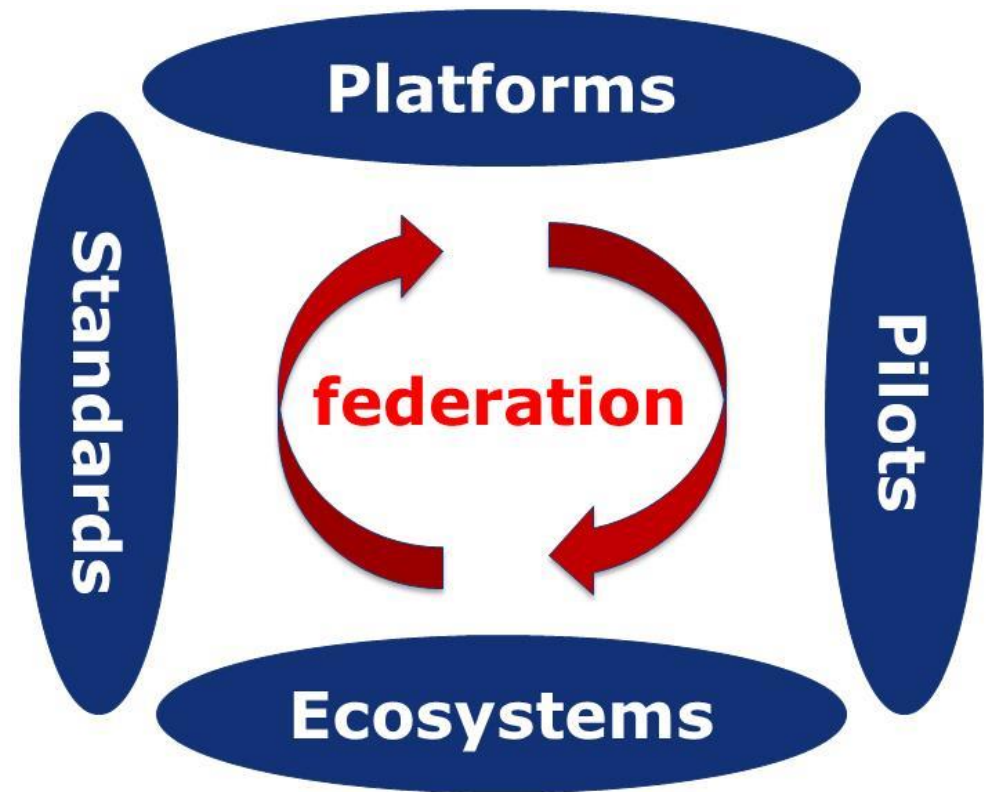
SC1:

- DT-TDS-01-2019: Smart and healthy living at home* 60 M€

EU actors join forces along common interests
Future global standards & platforms driven by interests of EU actors

Focus investments on:

- **Integration** of key digital technologies
- Digital industrial platforms, reference architectures, ...
- Reference implementations, **large-scale piloting**, experimentation environments
- **Ecosystem building** and standardisation



Farmers at the center of collecting and processing of data

- ❑ ***Lack of interoperability***
- ❑ ***Existing data flows are not exploited***
- ❑ ***Links with co-operatives at the regional level***
- ❑ ***Different Requirements (size & needs of the farms)***

- ✓ ***Plug-and-play freedom***
Farmers easily shift to use other platforms
- ✓ ***Transparency***
Clarification of rights to access and process data
- ✓ ***Hands-on experience***
Engaging farmers and developers
- ✓ ***Platforms for optimisation***
Fertiliser / pesticide / water usage / quality

Topic: DT-ICT-08-2019

Timeline:

- Call opening: 26th July 2018
- Call deadline: 14th November 2018, 17.00
- Budget: 30 Mio €

Specific Challenges:

- Sustainability (farms revenues) - pressures on natural resources.
- Information and knowledge not fully exploited – need to speed up knowledge creation.
- Limited interoperability and lack of openness of systems.
- Lack of information on effectiveness of digital technologies.

Scope: Pilots should address the 3 aspects:

1. Building platforms integrating different technologies.
 - Technologies combined with applications based on data analytics and knowledge management. Pilots to validate interoperability of systems.
2. Sharing data and generating knowledge.
 - To deliver tailored advices to farmers. Feedback to the farmers on practices and management. Data analytics to enable low maintenance, robust and scalable monitoring and communication systems.
3. Developing decision support systems.
 - To enable benchmarking system on the productivity and sustainability performance of farms. Performance indicators, decision support, sharing data with others

Further guidance:

- Cover the supply and demand sides.
- Financial support to third parties to extend the innovation ecosystems.
- Platforms should have a mass-tailored advisory services including economic and technical benchmarking.
- Cover large and small farms.
- Investigate advisory services based on local ecosystems.
- Allow for recruiting pilot farms.

Further guidance (continued):

- Under the concept of multi-actor approach to allow the strong involvement of the farming sector and other relevant actors.
- Data governance should be proposed.
- At least 3 sub-sectors shall be covered (e.g. arable crops, livestock, vegetable and fruit production)
- Contribute to the horizontal activities (DT-ICT-13-2019)
- Proposal of up to 15M€ allow to address the area.

Thank you - useful links



- Digitising European Industry Strategy (DEI):

<https://ec.europa.eu/digital-single-market/en/digitising-european-industry> → FUTURIUM

- The Alliance of Internet of Things Innovation

<http://www.AIOTI.eu>

- Contact points at EC for Pilot DT-ICT-08:

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