

SMARTAGRIHUBS & IOF2020

BEST PRACTICES OF EU PILOT PROJECTS

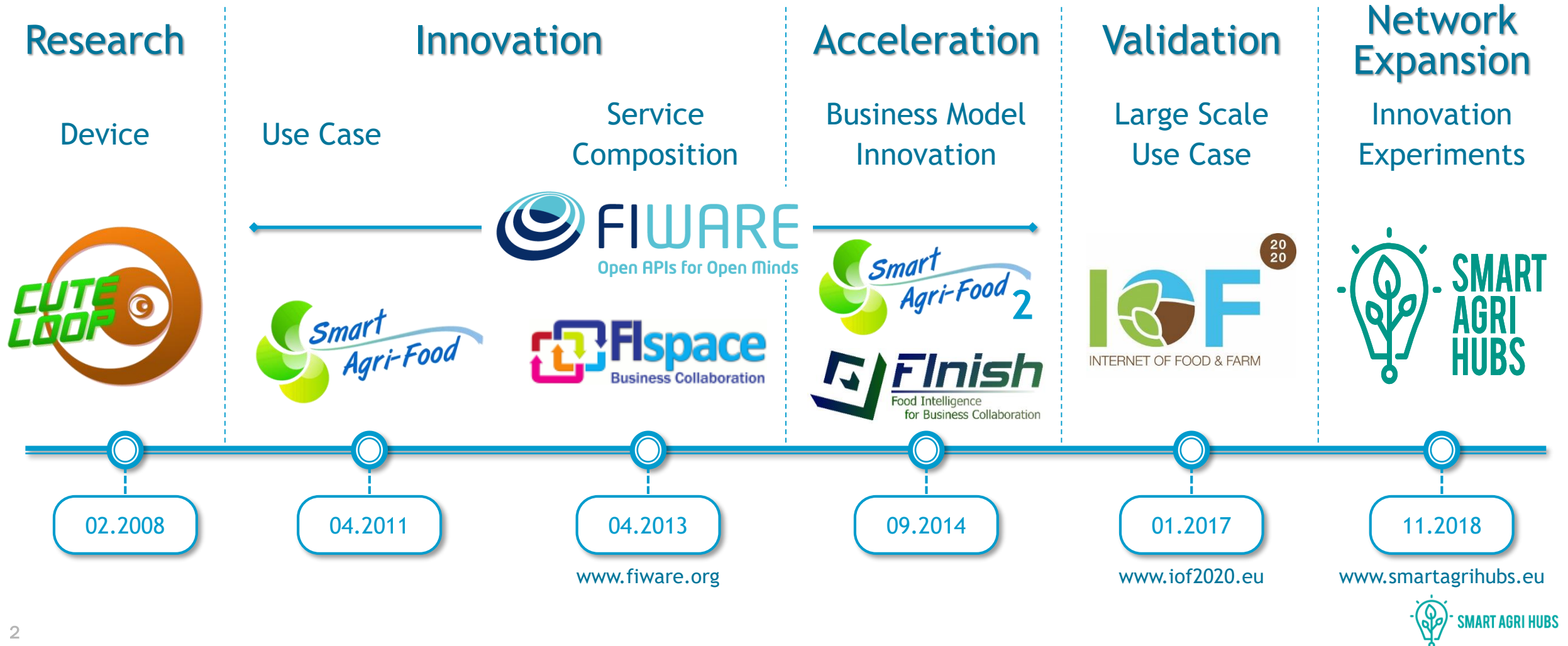
ICT-AGRI-FOOD FORUM, NOVEMBER 19, 2020

GEORGE BEERS, WAGENINGEN UNIVERSITY & RESEARCH

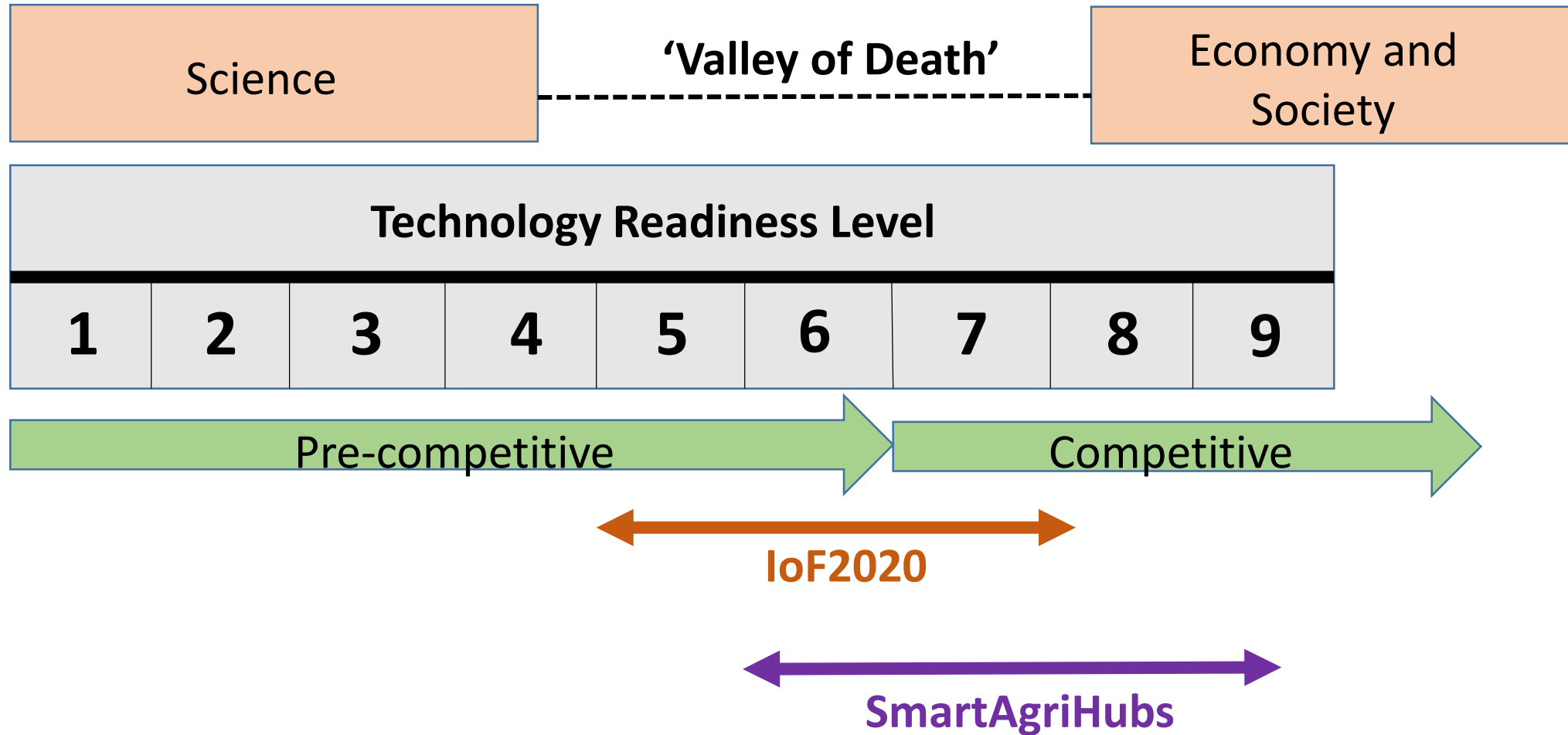


Expansion of Innovation in Agri-Food

Based on strategic initiatives - Examples



H2020 – Innovation Action



IOF2020 IN BRIEF



**100+ PARTNERS
ORGANISATIONS**



22 COUNTRIES



4 YEARS

Start = January 2017



€35 MILLION BUDGET
(€30 million co-funded under
EU H2020 programme)

5 TRIALS, 33 USE CASES, 22 MS_s



ARABLE



FRUITS



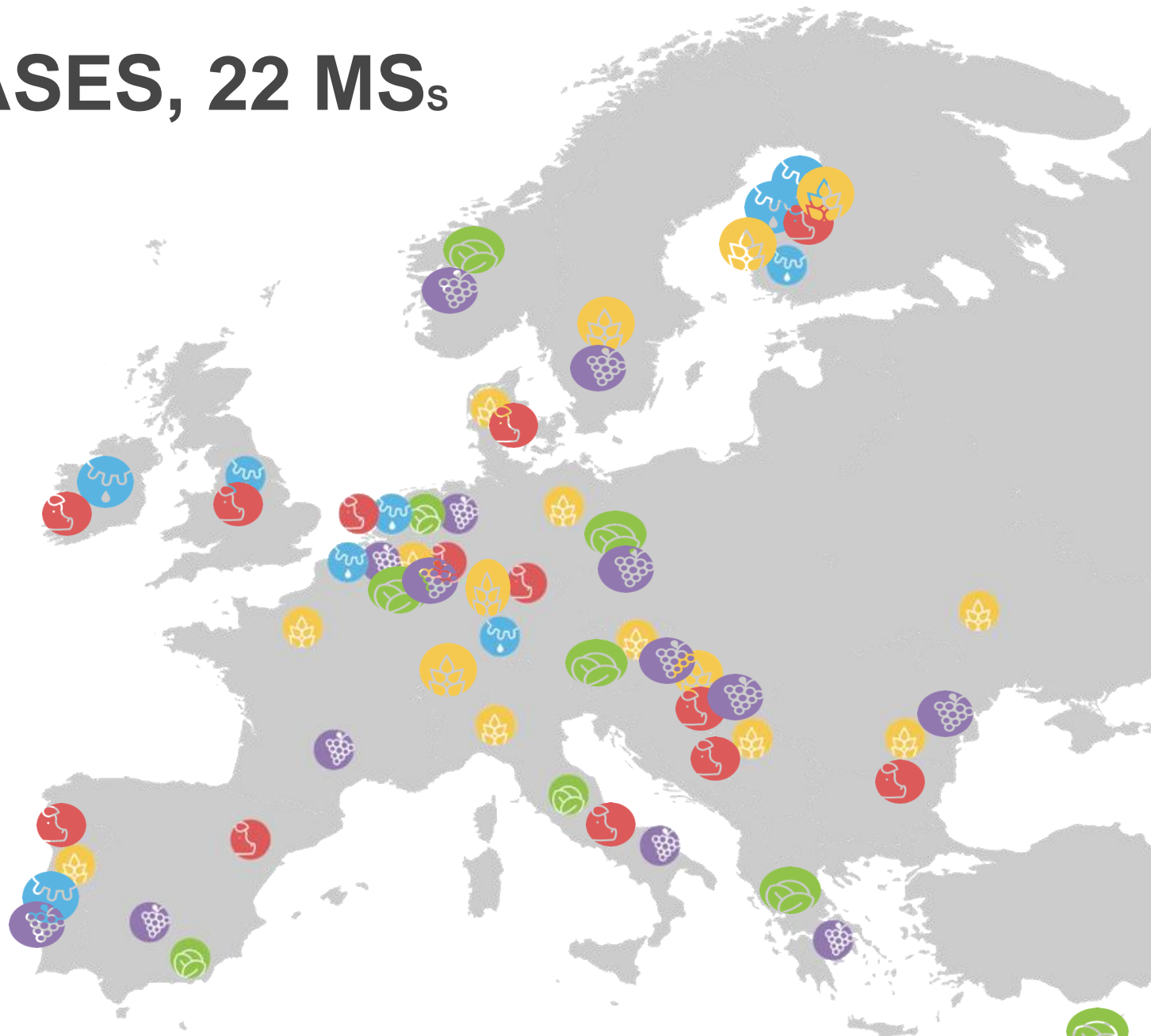
DAIRY



VEGETABLES



MEAT



4.3 ADDED VALUE WEEDING DATA



5/8

CURRENT TRL
& TARGET TRL

+ 5%

PRODUCTION
CROP/M²

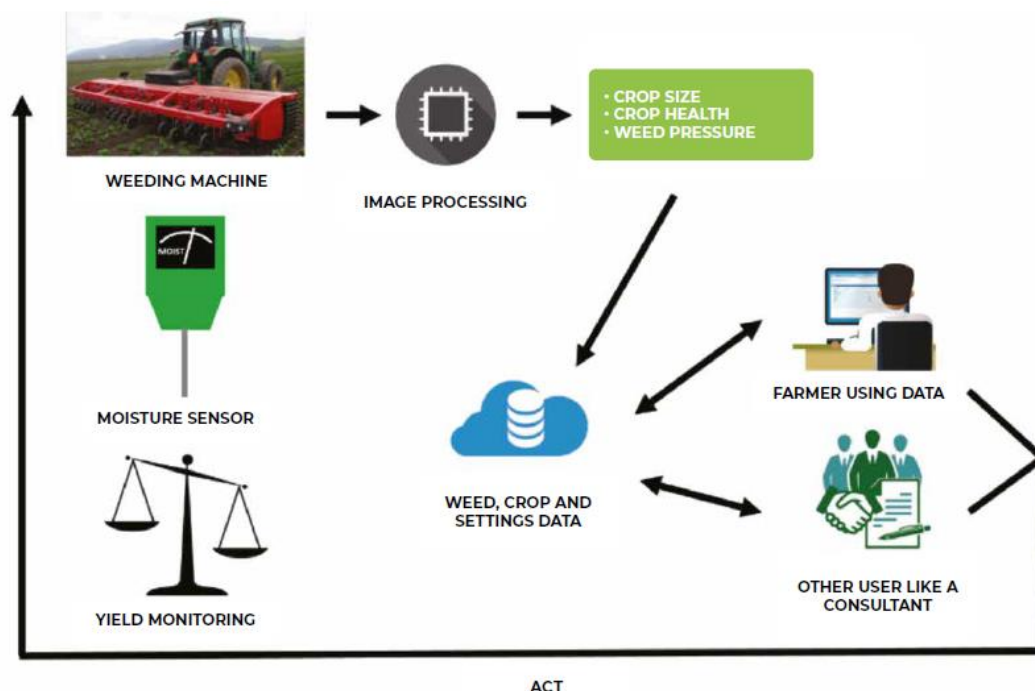
+ 10%

€/CROP

- 10%

LABOUR REDUCTION

HOW IT WORKS



COUNTRIES



THE IMPACT

OUR OBJECTIVES

Through improved crop and field monitoring, resulting in better field management we aim to reduce the labor required for organic crop production, while improving the yield.

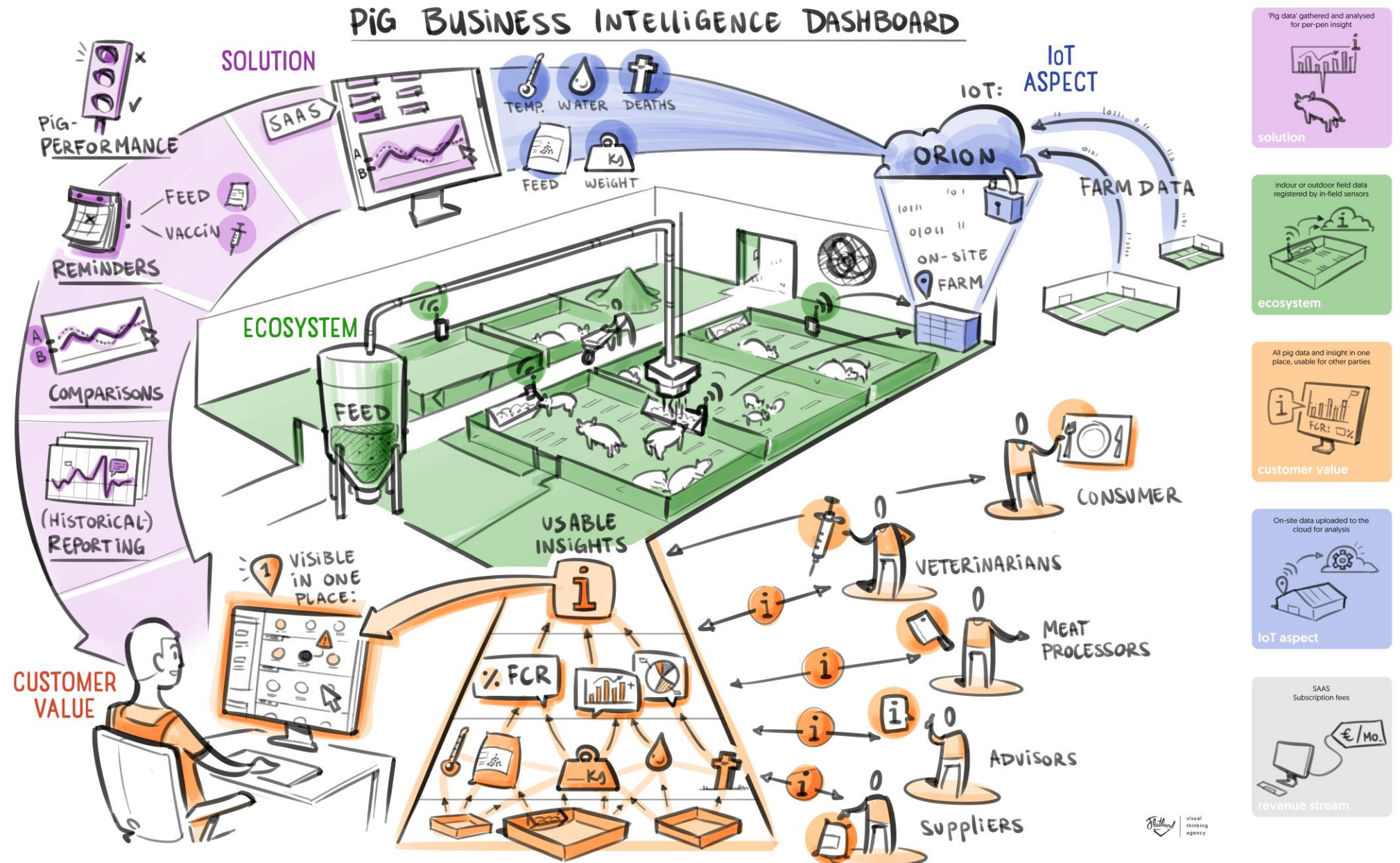
ON ECONOMY

- Crop yield +5%,
- Sales turnover +5%.

OTHER IMPACT

- Work time -5%,
- Prediction uncertainty -10%.



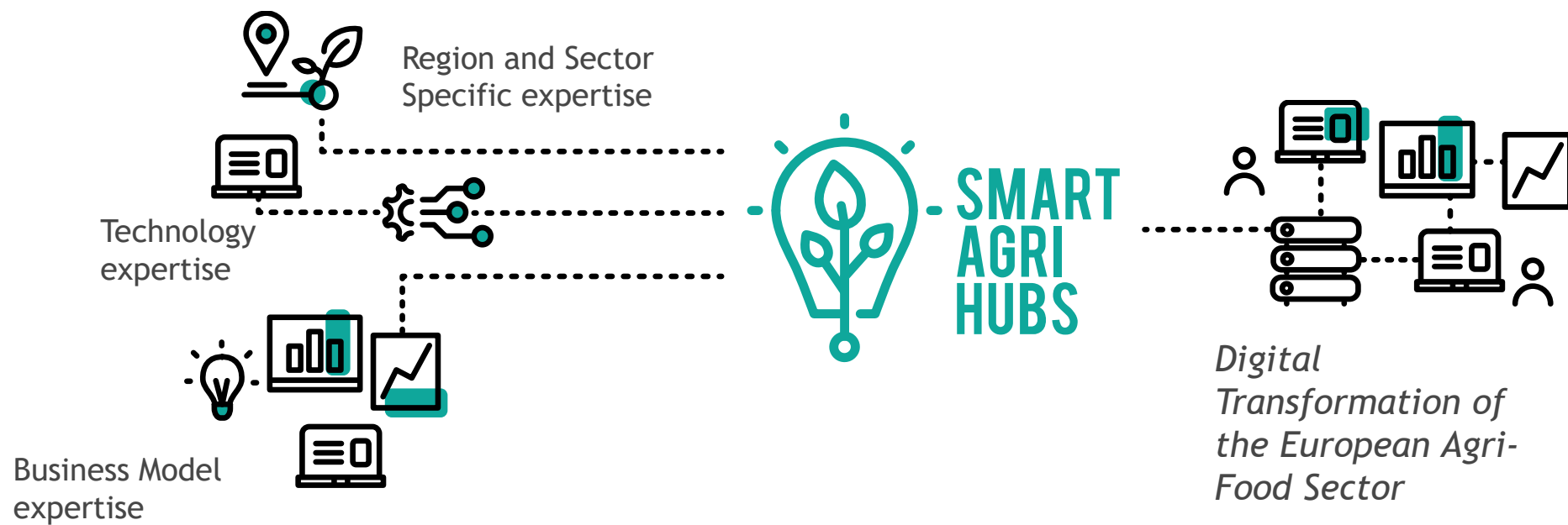


IOF2020 RESULTS & IMPACT

- **Improvement on KPI's** (e.g. use of chemicals, water efficiency, antibiotics, yield, product quality, animal welfare, efficient certification, traceability, labor, etc. etc.)
- **Development new businesses from Use Cases**
- **Re-Usability IoT Catalogue** (collection re-usable components)
- **Tools for Use Case support → Dissemination: SmartAgriHubs**

Consolidate and foster EU-wide network of Ag DIHs to enhance digital transformation for sustainable farming and food production

Overall objective



SmartAgriHubs

What I am talking about

- 48 months project
- Funded by EC
- Partners all over EU
- Network of Networks
- **Key Regional Enabler: Digital Innovation Hubs**



Ecosystem

168 Partners

Involving covering all EU

68 partners are SMEs

54% of budget allocated to SMEs



Flagship innovation experiments

28 FIEs

22 Countries involved

13 Cross-border collaboration FIEs (47%)



Impact

30M additional funding

Mobilized from other sources(public, regional, national and private)

80 new digital solutions

Introduced into the market

2M Farms involved in digitisation



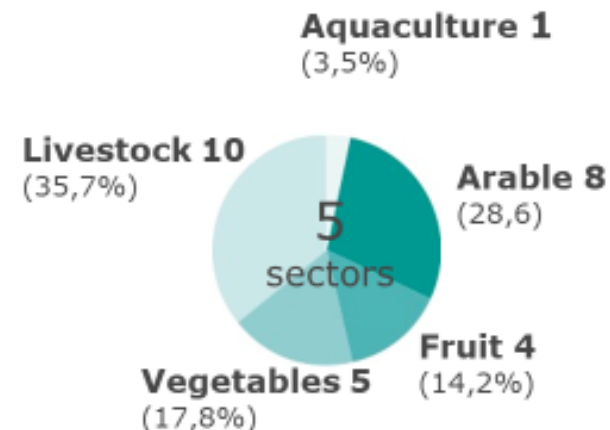
Digital Innovation hubs

140 DIHs in the existing Network covering all **28 Member States**

Regional Approach

9 Regional Clusters

Attract **260 New DIHs**



Open Calls

6M Euros distributed through Open Calls

75% Open Call budget to SMEs

70 New Innovation Experiments

Agricultural Digital Innovation Hubs

- Acts as one-stop-shop in proximity of the farmers
- Support facility for companies (SMEs)
- Enables access to the latest knowledge, expertise, and technology
- Stimulate & promote digital transformation in Agriculture
- Provides connection with investors
- Already exist on the ground



STATUS Nov 2020

Innovation Portal - Ready to Go

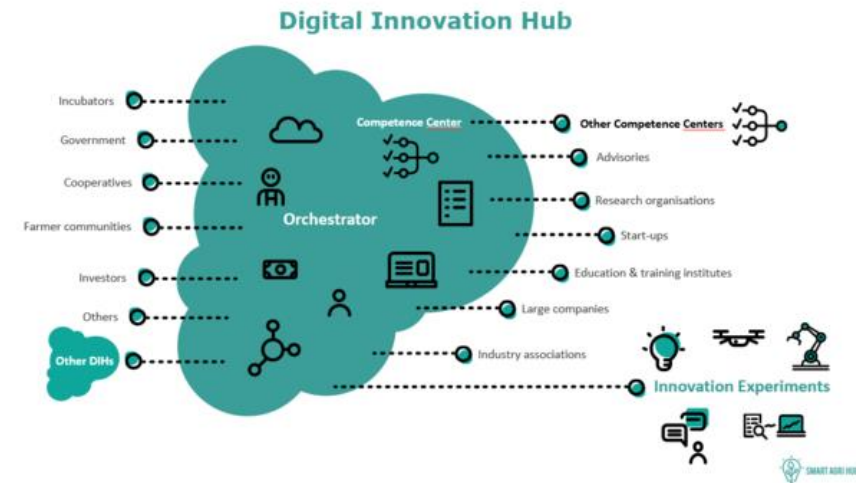
- **DIHs**
- **Competence Centres**
- **Good Practices**
- **Supporting material for DIH Services**
- **Events**
- **Discussion platform**

Activating the SmartAgriHubs Ecosystem

Activities 2020-2021

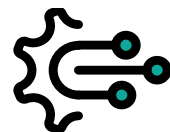
- Flagship Innovation Experiments and DIH Services
- Support DIH Development
- Open Calls

Digital Innovation Hubs Innovation Services



Ecosystem

- Community building
- Strategy development
- Ecosystem learning
- Project development
- Lobbying



Technology

- Technical support on scale-up
- Provision of technology infrastructure
- Testing and validation
- Strategic RDI
- Contract research



Business

- Incubator/accelerator support
- Access to finance
- Skills and education

General information about DIHs:

<https://s3platform.jrc.ec.europa.eu/digital-innovation-hubs> &

RESTART Open Call



- Topic:** Open call for hackathon type of activities contributing to a RESTART of the EU Agri-Food Economy after COVID-19 Crisis
- Proposer:** Digital Innovation Hubs
- Funding:** 10,000-60,000 EUR/project – max 20% of total budget
- Total Funding:** 500,000 Euro total funding for the RESTART Open Call
- Opening:** July 08th 2020
- Evaluation:** Continuous Submission Scheme with evaluation of submitted batches of proposals – planned dates in 2020: Sept. 03rd 2020, Nov. 05th 2020
- Call Closure:** July 28th 2021, 17:00 (Brussels time)
or earlier, in case reserved budget is completely allocated
- Implementation:** latest until December 2021 – usually a project duration of 6-12 months

EXPAND Open Call



Topic:	Initiatives of DIHs to support digital innovation in their region and facilitate the set-up and realisation of Innovation Experiments (IEs)
Proposer:	Digital Innovation Hubs
Funding:	100,000-500,000 EUR/project – max 20% of total budget
Total Funding:	2-4.5 Mio. EUR total funding for the EXPAND Open Call
Opening:	July 08 th 2020
Evaluation:	Continuous Submission Scheme with evaluation of submitted batches of proposals – planned dates in 2020: Sept. 03 rd 2020, Nov. 05 th 2020
Call Closure:	July 28 th 2021, 17:00 (Brussels time) or earlier, in case reserved budget is completely allocated
Implementation:	latest until July 2022 – usually a project duration of 12-18 months

Links to additional Information

Links to resources in the SmartAgriHubs Website:

- Open Call Website with download of open call documents:
<https://www.smartagrihubs.eu/portal/open-call>
- Questions and Answers in the SAH forum:
<https://forum.smartagrihubs.eu/c/open-call>
- Announcement of Webinars and online events:
<https://www.smartagrihubs.eu/portal/trainings>





SMART AGRI HUBS