2020

IoF

INTERNET OF FOOD & FARM

Open Call

www.IoF2020.eu/opencall

Internet of Food and Farm 2020

Innovation Action: 2017 - 2020
30 M€ funding by DG-CNCT/AGRI

Objective:

Large-scale uptake of IoT in the European farming and food sector

- Business case of IoT
- Integrate and reuse available IoT technologies
- User acceptability of IoT
- Sustainability of IoT solutions

IOF 2020
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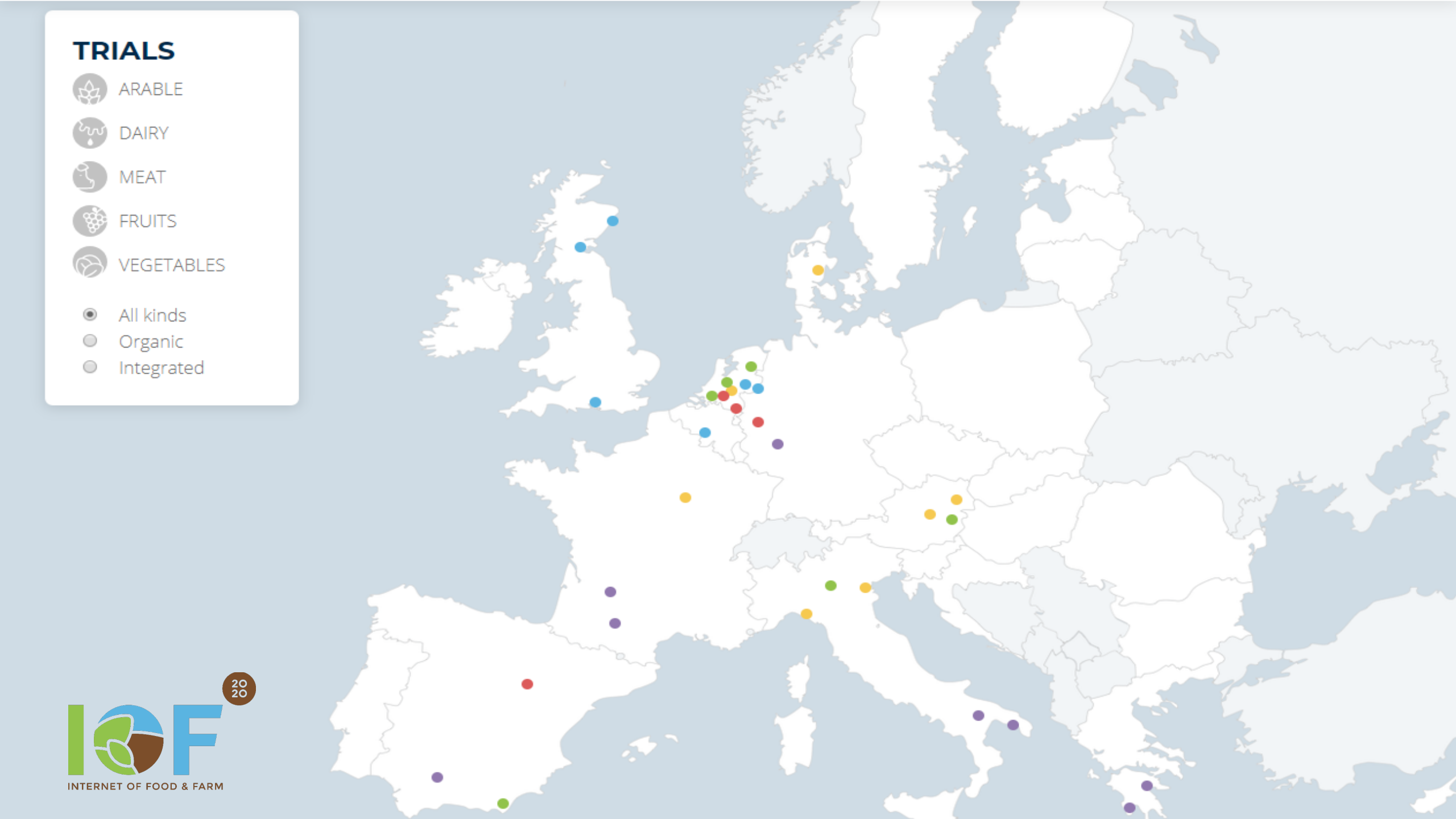

TRIALS
ARABLE
DAIRY
MEAT
FRUITS
VEGETABLES
All kinds
Organic
Integrated
INTERNET OF FOOD & FARM

THE INTERNET OF FRUIT

3.1 Fresh Table Grapes Chain

3.2 Big Wine Optimization

3.3 Automated Olive Chain

3.4 Intelligent Fruit Logistics

Let's take an example

BIG WINE OPTIMIZATION

IoT tools for sustainable wine production, wine quality management and shipping monitoring

Some KPI’s: Pesticides -10% | Production costs -10% | Wine quality +10% | Shipping costs -5%

Multi-actor approach

Denis Dubourdieu Domaines

Wine grower and Wine Producer

VINIDEA

Innovation brokering and dissemination to wineries

Process2Wine

IT provider for a Smarter Viticulture

STMicroelectronics

Semiconductor company leader in IoT components.

ISVEA

Analytical, consulting and R&D services to Wine industry.

Bordeaux INP

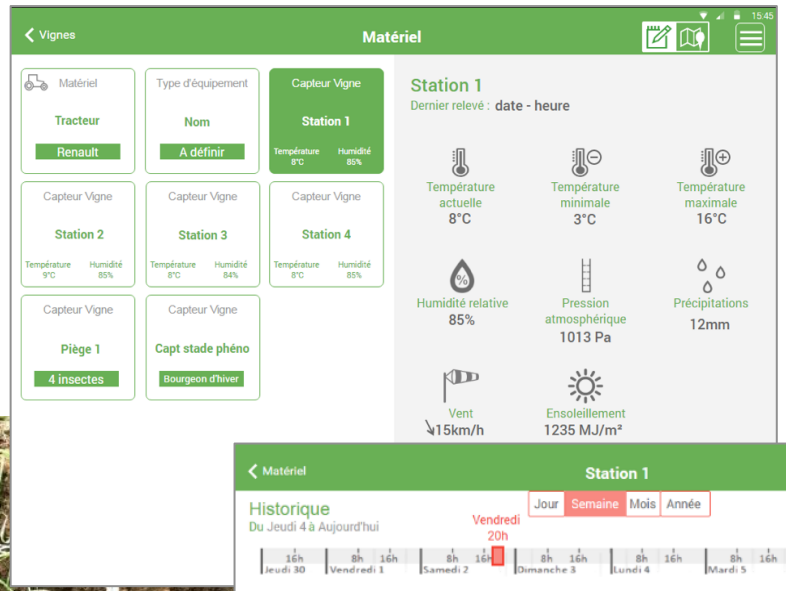
Signal and Image Processing Research lab

CEA

Worldwide, leading, Applied Research center

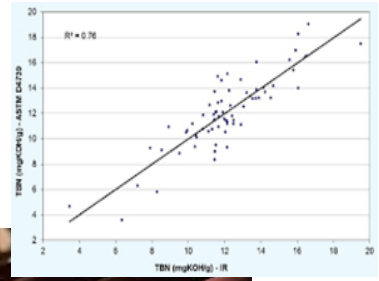
IoT Product Impressions

sensors in the vineyard

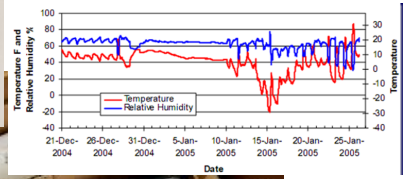


display devices, agronomic parameters and weather forecast

NIR spectrometer
% alc., sugar, etc.



Temperature/RH logg
with data transmissio



IoF2020 open call

Enlarge the ecosystem and create more impact by new use cases

Specific challenges

1. **New regions**

- Eastern and Northern Europe
- Re-use existing use cases

2. **Post-farm and other sectors**

- From farm → supply chain (logistics, processing, retail, consumption)
- Other crops, animals

Call for new use cases

Innovative IoT-based solutions for Farming and Food in Europe

Characteristics

- Higher TRL-levels: 6 → 8/9
- Multi-actor approach (no single parties!)
- Including entire IoT value chain (tech. providers, service integrators, end-users)
- Interoperability, replicability and re-use
- Viable business model and ecosystem development

Total budget of 6 Mio Euro

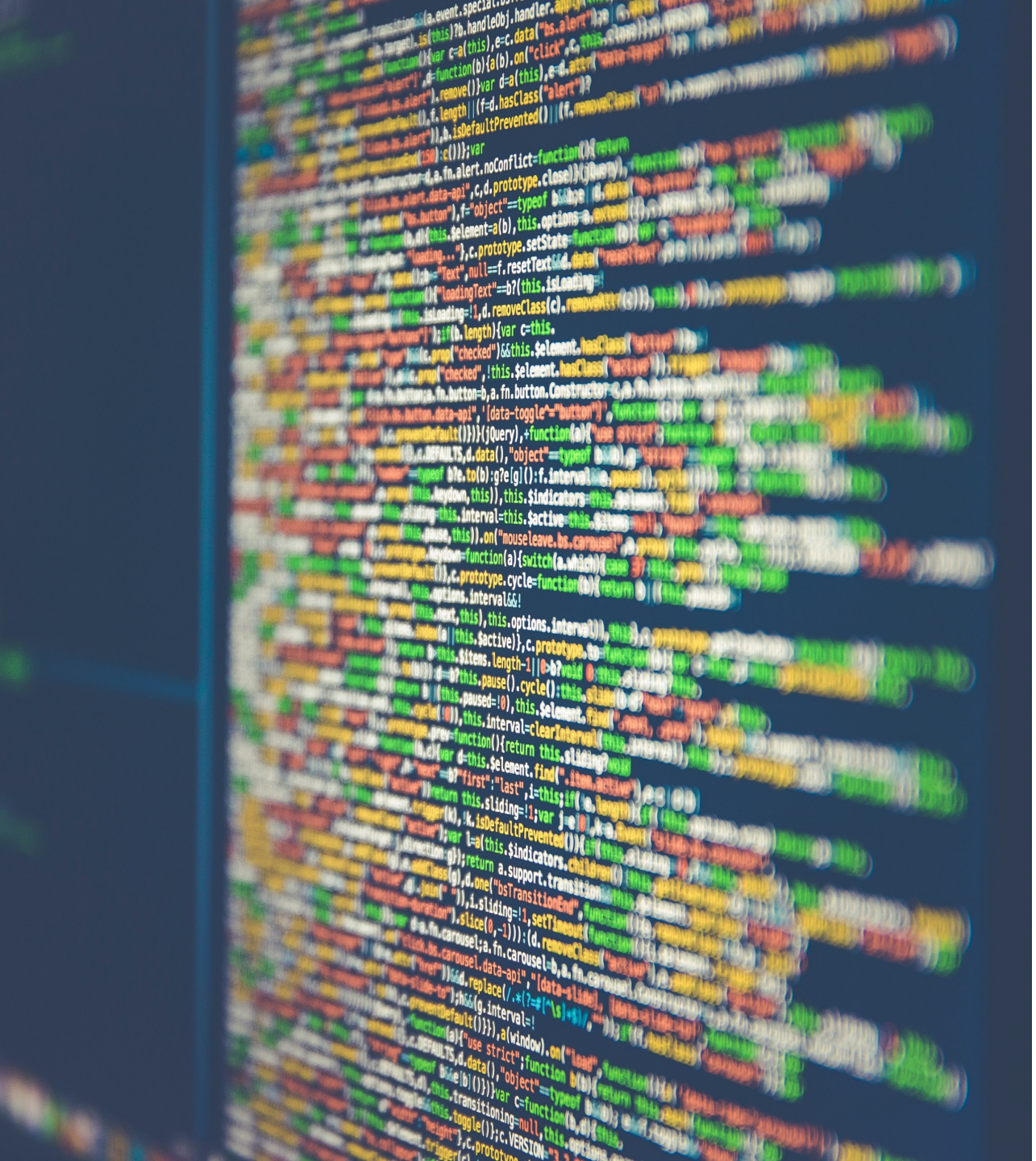
New regions: ± 3.5 Mio Euro

Post-farm/other: ± 2.5 Mio Euro

Funding per proposal: 300-500 kEuro

Schedule

June 5, 2018	Open call official text publication
August 31, 2018	Deadline pre-registering proposal
September 30, 2018	Deadline for receiving applications
October 31, 2018	Communication of the evaluation results to applicants
December 31, 2018	Contracting with successful proposals and prepayment
January 1, 2019	Start of new use cases



Selection criteria

1. Suitability of overall proposal
2. Geographical impact: cross-border test beds
3. Business impact: business plan and scalability
4. Technology impact and use of standards
5. Sustainability impact
6. Financial impact

More information and apply at:

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