# IoF²⁰²⁰

## 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

TRIALS

- ARABLE
- DAIRY
- MEAT
- FRUITS
- VEGETABLES

- All kinds
- Organic
- Integrated

IoF 2020
INTERNET OF FOOD & FARM

# THE INTERNET OF FRUIT

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**
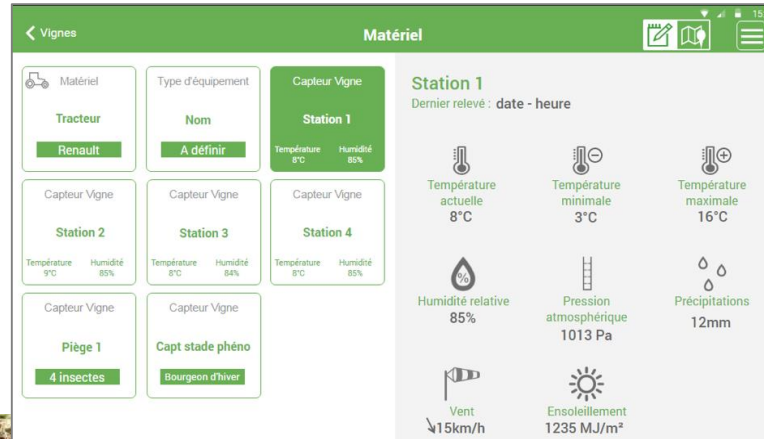
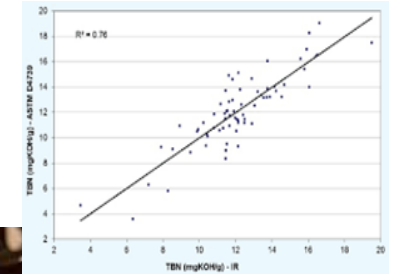Worldwide, leading, Applied Research center

# IoT Product Impressions



NIR spectrometer
% alc., sugar, etc.

sensors in the vineyard
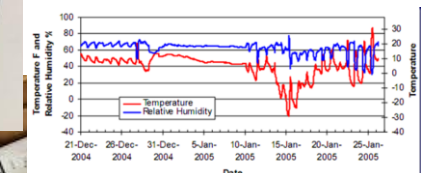
display devices, agronomic parameters and weather forecast

Temperature/RH logger with data transmission

# 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:

## www.IoF2020.eu/opencall

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