AgrifoodTEF

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CoordinaTEF Webinar

4th December 2025

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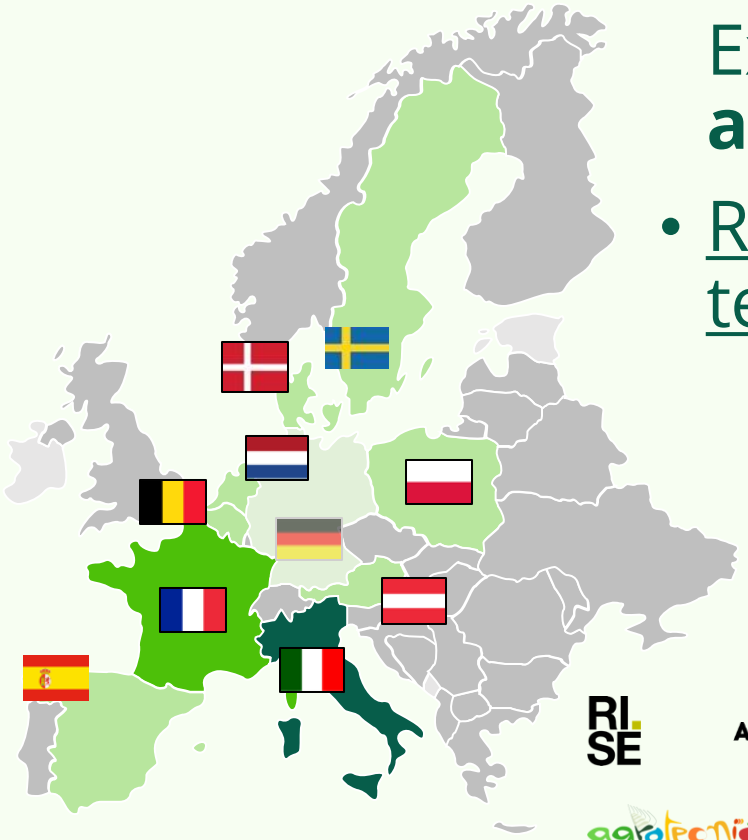
AgrifoodTEF – what is it?



- The European **Network** of Testing and Experimentation Facilities to assess and **validate AI and Robotics** solutions for the **Agrifood sector**
- Real-life conditions, our services available to all technology companies in Europe

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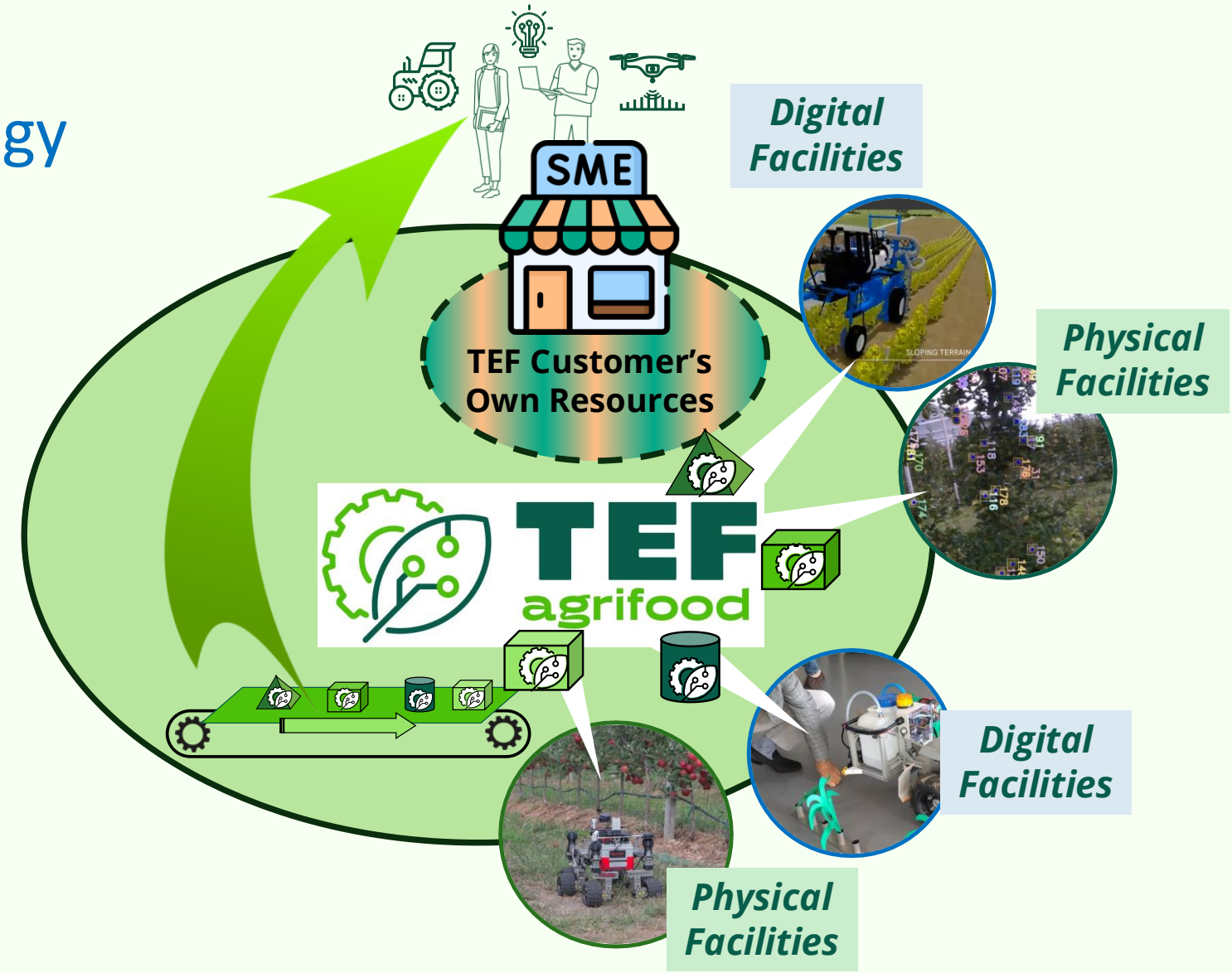
Services to Technology Companies

1. Technology

2. Compliance

3. Business



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Where is the value in the Agrifood sector?

- Overall fields of application
  - Precision Agriculture
  - Crops Monitoring
  - Automation

AGRI

AI?

Robotics?

IMPACT

Target Improvements

HIGH VALUE

Farmers Time
Chemicals
Yields
Natural Resources

TECH

- ***AgrifoodTEF technology offer?***

WEEDING EFFICIENCY
IRRIGATION
VIRTUAL FACILITIES FOR AI
PATHOGENS RECOGNITION
REMOTE MONITORING EVALUATION
CLIMATE RISK
YIELD PREDICTION
DATA VALORISATION
LIVESTOCK
ACCURACY
BENCHMARKING
PRECISION SPRAYING
ROBOTICS
GREENS AND HERBICIDES
VINEYARD TREATMENTS
ORCHARD MANAGEMENT

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Status of services as of 3rd December 2025

IMPACT ON EU AI LANDSCAPE

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Some of our customers…(~200 across Europe)

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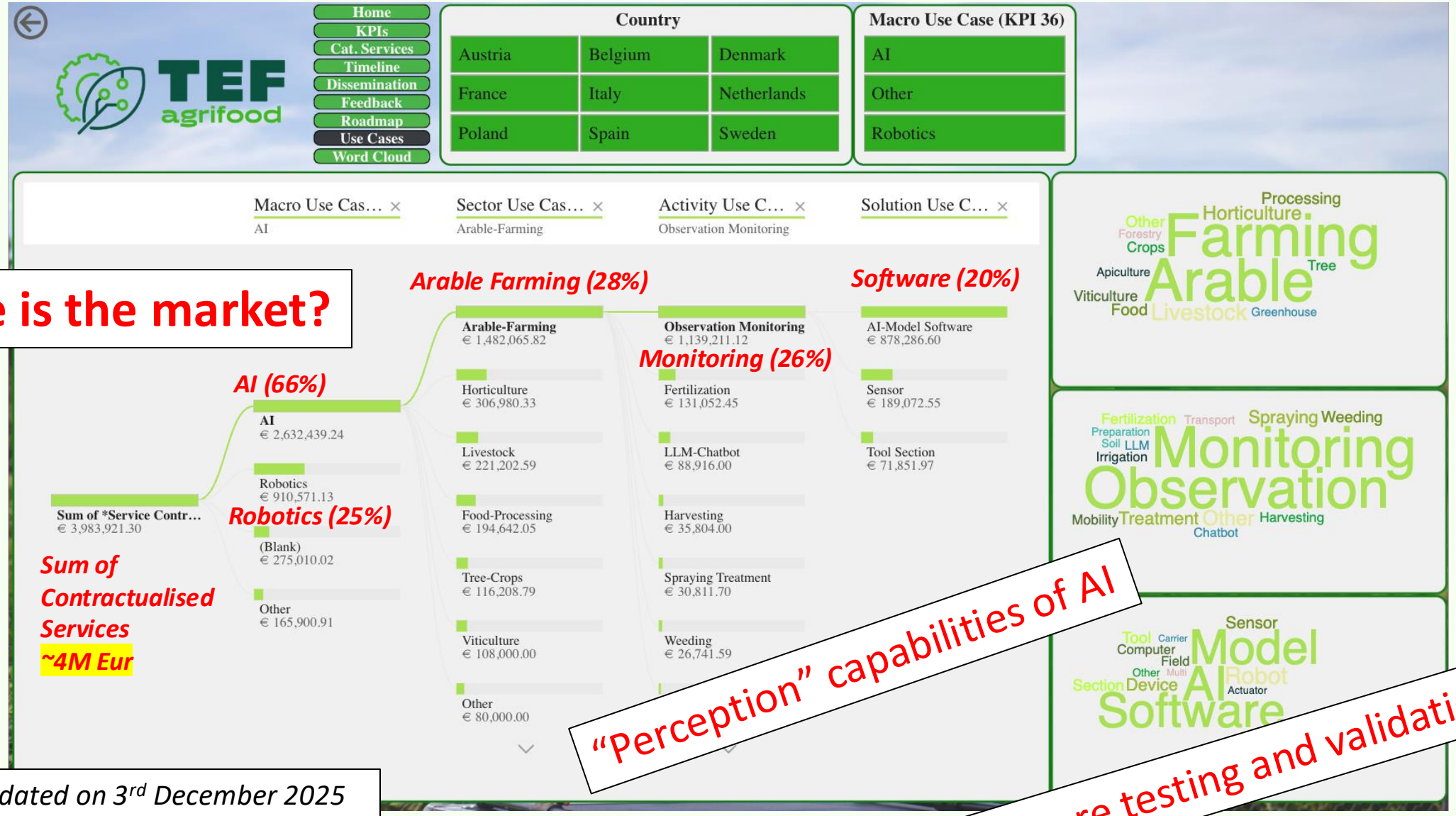
Testing and validation of AI and Robotics in the European Agrifood sector



Updated on 3rd December 2025

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Field validation of Edge AI solutions

What they do

Add-ons on agri-implements for fruit yield, calibre estimation, phenotyping and growing patterns monitoring

What they ask for

benchmarking rugged hardware for AI edge real-time operations ~~to be mounted as additional ag-machinery implement~~

THROUGHOUT GROWING SEASON

GEO inference

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Spot-on for the future with

FARM-ING
SMART FARM EQUIPMENT

The company

- Austrian agri-tech SME
- Automation and robotics for sustainable agriculture
- AI-powered precision technologies

The tested solution

- Spot sprayer: an intelligent, automated system that can distinguish crops from weeds and only applies spraying liquids where needed

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TEF agrifood

Agri Flight

Taking agricultural innovation to new heights with drone technology

- Belgian drone company
- The first licensed provider in Belgium
- offering professional drone flights for agricultural field work and environmental monitoring.

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Micr fy.AI

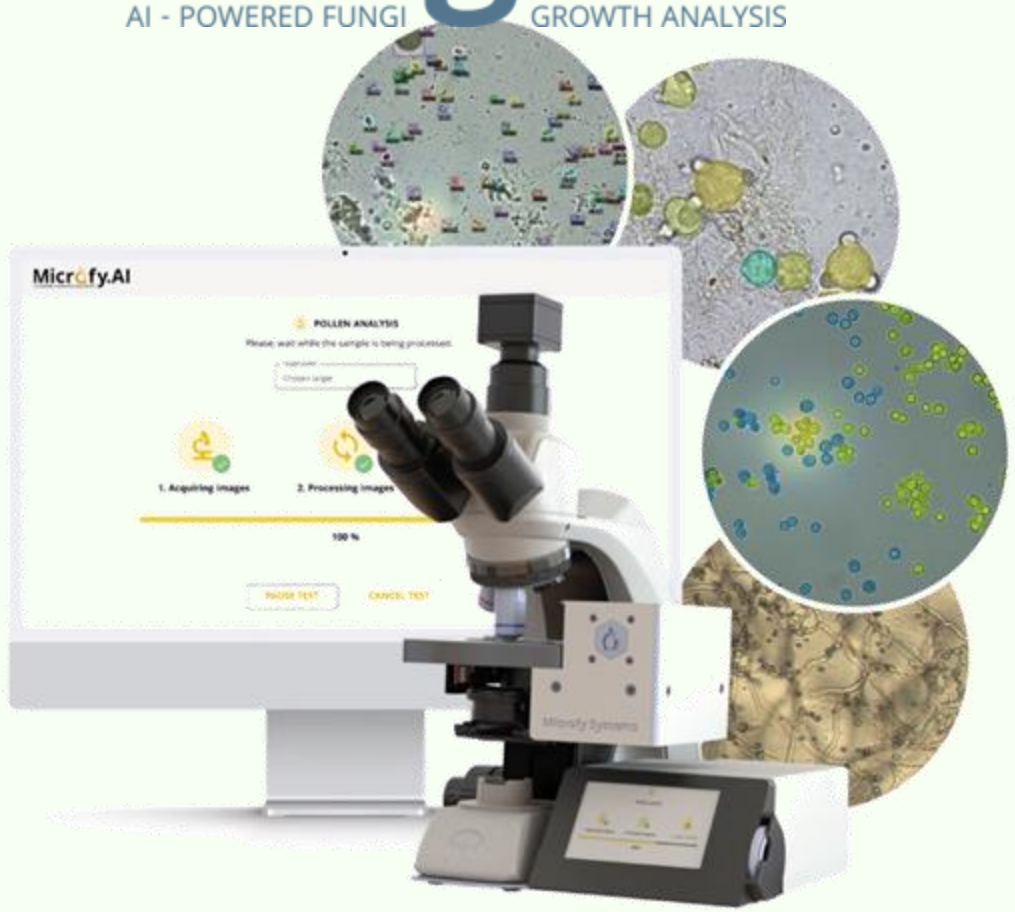
AI-POWERED AUTOMATED MICROSCOPY

Automated digital microscopes with Artificial Intelligence

- **AI/Robotics Product/Service**
  - Fungi.AI, cell count of fungi and their growth rate

Fungi.AI

AI - POWERED FUNGI GROWTH ANALYSIS



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Case study – conformity assessment

Testing an autonomous feed-pushing robot → Verification of compliance with standards and assessment of remote communication between the robot and the control system

Łukasiewicz PIT

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