About

S3 High Tech Farming Partnership

European Commission

SMART SPECIALISATION PLATFORM

Thematic Platforms

High Tech Farming

About the Partnership

High Technology Farming is a broad concept which refers to a wide range of new tools (Robotics, ICT, Big Data, Earth Observation, etc.). The synergic use of these instruments allows the shifting to the new paradigm of Sustainable Precision Agriculture (SPF).

The main objective of the partnership is the development of joint activities for accelerating the adoption of high and new technologies that can improve the performance of farming practices and farm management. Specific objectives are: adoption of advanced agri-technologies in small and family farms; new solutions for early detection of pests and diseases; improvement of livestock health and wellbeing.

The S3 HIGH TECH FARMING Partnership has aggregated more than 20 Regional and National Administrations with a strong priority related toinnovation and adoption of new technologies in the agricultural sectors. The mapping activity allowed a broad involvement of different stakeholders from the business sector. Many clusters are directly involved in the partnership and some businesses are also directly involved in the business cases under development.

The Partnership has also been selected as one of the Pilot Partnerships under the DG REGIO support Pilot Action launched in October 2017.

Focus and Topics

The focus areas relates to 4 Value Chains (VC): arables; horticulture; protected cultivations and livestock. They are segmented in the following technology areas: EYES & TOUCH to monitor what is happening (Meteo sensors, Soil sensors, Canopy sensors, Product sensors; On-board/proximal sensors), MIND to elaborate data and provide instructions (Data acquisition, Data analysis, Layers/images, DSS), INTELLIGENT ARMS to do precise and timely activities (Machineries, Programming/Automation, Robotic), technology oriented SERVICES (Installing, Maintenance, Repairing), and educational oriented SERVICES (Training, Demo farms and sites).

Participating regions

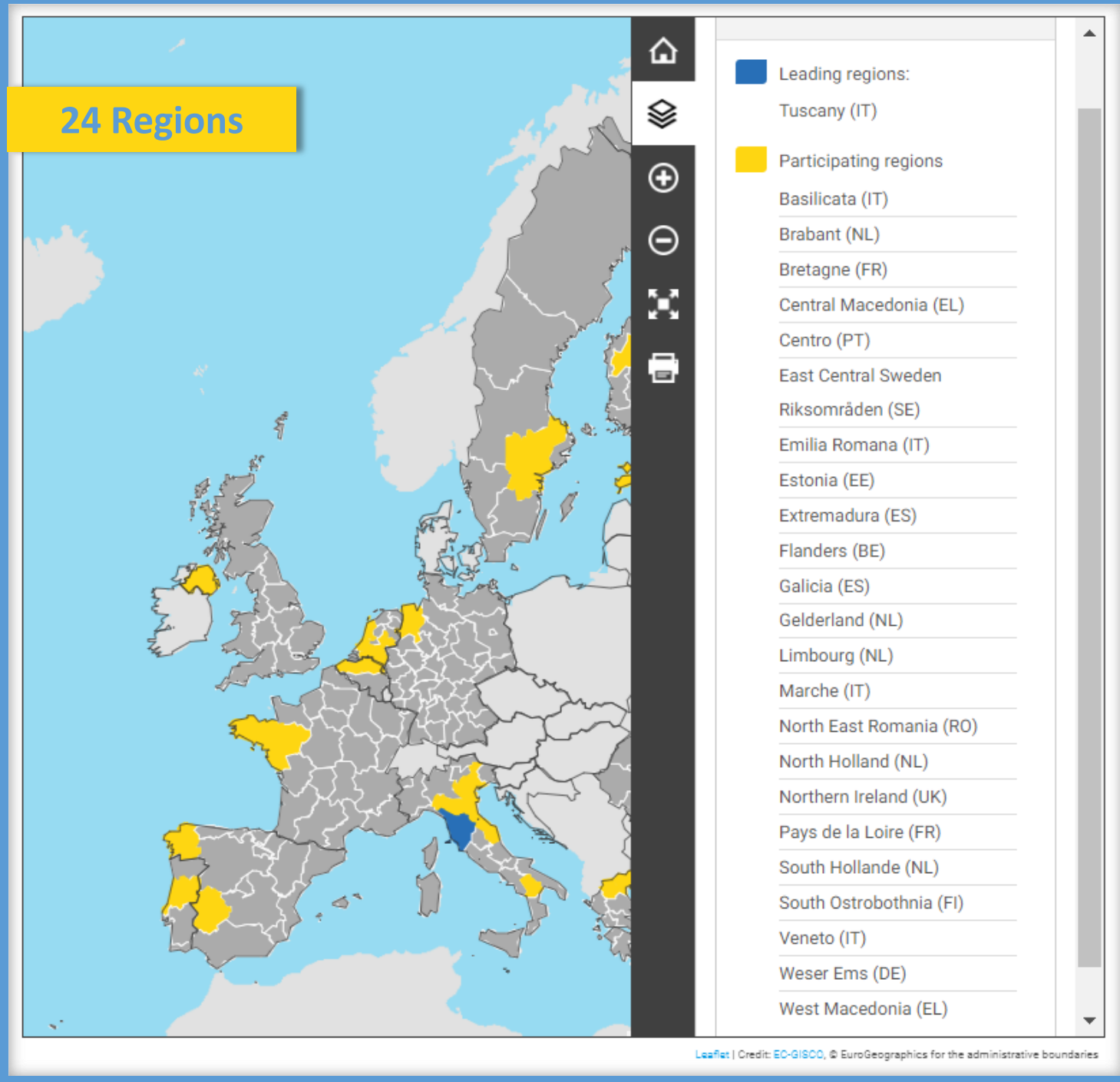
CENTRO (PT)

ccdrc comissão de coordenação e desenvolvimento regional do centro

inovcluster

tice.pt

IPN INSTITUTO PEDRO NUNES ASSOCIAÇÃO PARA A INOVAÇÃO E DESENVOLVIMENTO EM CIÊNCIA E TECNOLOGIA



State of development of the partnership and achievements today

24.02.2017: S3 High Tech Farming technical meeting

13.04.2017: S3 High Tech Farming technical meeting

1-2.06.2017: Smart Regions 2.0 Conference (Helsinki)

10.2017: Launch of the call for an Action Pilot of DG Regio - Pilot Interregional Innovation Projects "to pilot interregional innovation partnerships aimed at facilitating the commercialisation and scale-up of inter-regional innovation projects and to incentivise business investments"

10.10.2017: Technical meeting (Brussels)
Homework – Mapping potential in each region

31.10.2017: Submission of the Expression of Interest for Thematic Partnerships to Pilot Interregional Innovation Partnerships (PT: CENTRO with InovCluster, Tice.pt and IPN and, as partner, Inov Inesc Inovação)

13.12.2017: DG REGIO communication of selection of the Pilot Action on Interregional Innovation Projects - 1st Technical meeting S3 HTF partnership

26-02.2018: Pilot Action on Interregional Innovation Projects - 1st Technical meeting S3 HTF partnership (Brussels)

18.05.2018: Pilot Action on Interregional Innovation Projects - 2nd Technical Meeting S3 High Tech Farming partnership (Tuscany)

Multilateral parallel meetings:
Planning in terms of demo cases and potential business cases

1. **Soil management and irrigation**
2. **Crop protection and management**
3. **Animal health and wellbeing**
4. **Overall farm management**
5. **Quality management for food processing and distribution**

Parallel Session 4: Overall Farm Management

Participants:

Susana Caio – InovCluster André Pardal – Instituto Pedro Nunes Thomas Bartzanas – CERTH	Fabio Slaviero – ABACO Group Fabio Boscaleri – Tuscany Region