ICT-AGRI-FOOD knowledge exchange forum
Bringing research results to market

Panel 1: Meet agrifood innovation actors

S3 High Tech Farming:
Vision for Sustainable Precision AgTech

Regione Toscana

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SMART SPECIALISATION PLATFORM

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1. The S3 Agrifood Platform

▶ Initiative of the European Commission DG REGIO started in 2016 (Kick off event in Florence) to thematically connect European Regions through their Research and Innovation Smart Specialization Startegies (RIS3) - https://s3platform.jrc.ec.europa.eu/agri-food

▶ **5** active partnerships:

   ▶ Consumer Involvement (Ostergötland / Regio FOOD Valley)

   ▶ **High Tech Farming (Toscana)**

   ▶ Nutritional Ingredients (Wallonia)

   ▶ Smart sensors for agri-food (Flanders)

   ▶ Traceability & Big Data (Andalusia and Emilia Romagna)

▶ Overall aims:

   ▶ Support Regions in developing interregional synergies to increase the impact of R&I expenditure and promote Interregional Innovation Investments

   ▶ Promote Integrated European Value-Chains

2. The S3 High Tech Farming Partnership

Focus
New and High technologies relevant for farming practices (sensoring, data acquisition/management, automation/robotics, including ancillary activities such as maintenance & repairing, training and on-farm demo activities)

Involved Regions (including observers)

Flanders, Weser–Ems, Central Macedonia, Western Macedonia, Galicia, Extremadura, South Ostrobothnia, Pays De la Loire, Bretagne, Toscana, Marche, Umbria, Veneto, Emilia-Romagna, Friuli Venezia-Giulia, PA Bolzano, Basilicata, North East Romania, East Central Sweden, Northern Netherlands, Gelderland, Noord Holland, Zuid Holland, North-Brabant, Limburg, Norther Ireland, Centro, Eastern Slovenia

and Countries
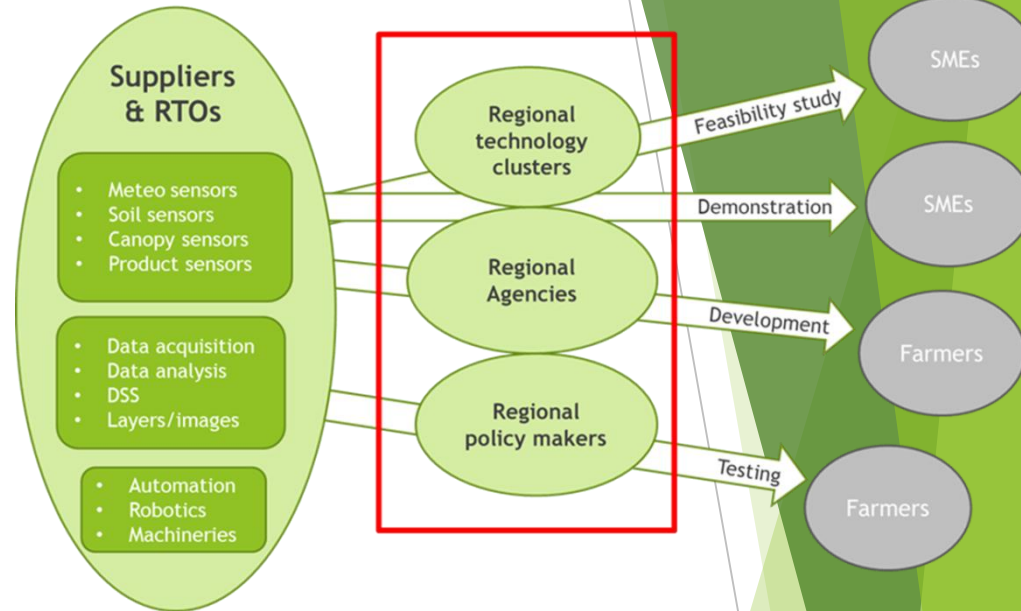
Luxembourg, Norway, Estonia and Slovenia
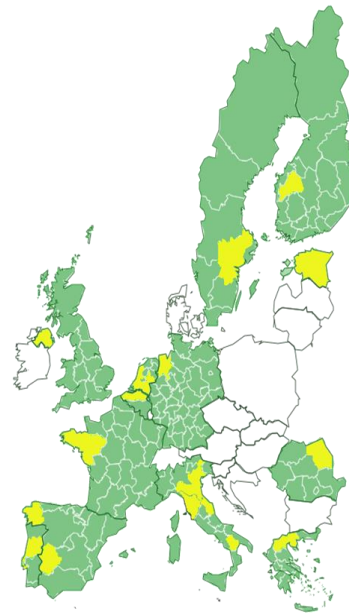
Objectives
- Improving projects impact
- Reducing gaps in funding and/or knowledge
- Allowing a better management and better marketing of new technologies
- Enabling farmers to use/master technologies

3. The current role

A place for **Regions and actors** of their **Innovation Ecosystems** to share, promote and connect

Pilot Projects: strategic interregional investment projects
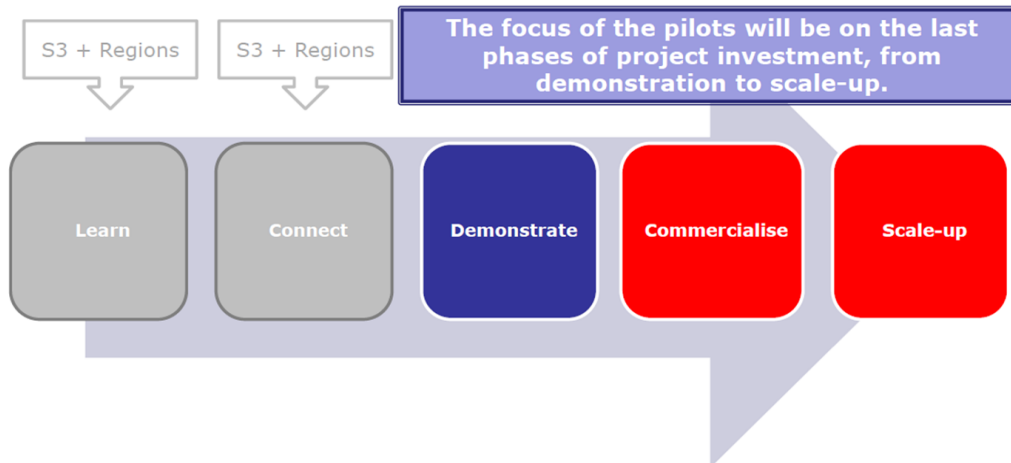
A place for **innovators** to expand, integrate and partnering **at EU level**

3. The current role

Interregional Pilot Projects

FreshFruit

Development of a new service for determining the quality of grape

Regional

Farmer

International

Product delivery →

← Demand for higher quality

Retailer

Implementation

Translation

International
Regional

Innovation
intermediary

International

Technology
provider

Determine the
choice of technology
to be implemented

Deployment requirement

Regional

Technology
infrastructure
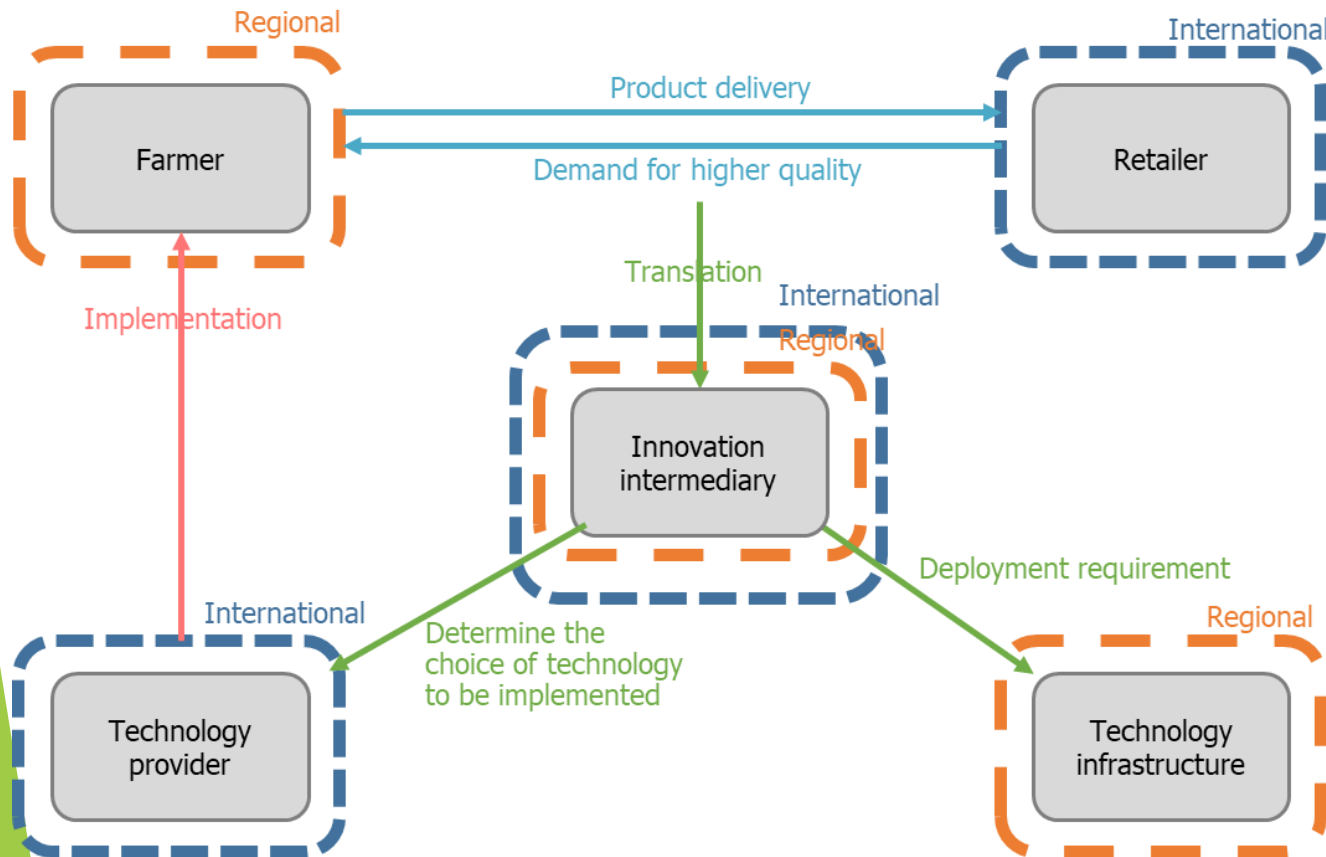
PODUR

Development of a new service for improving air
quality in intensive poultry production systems

4. Potential developments

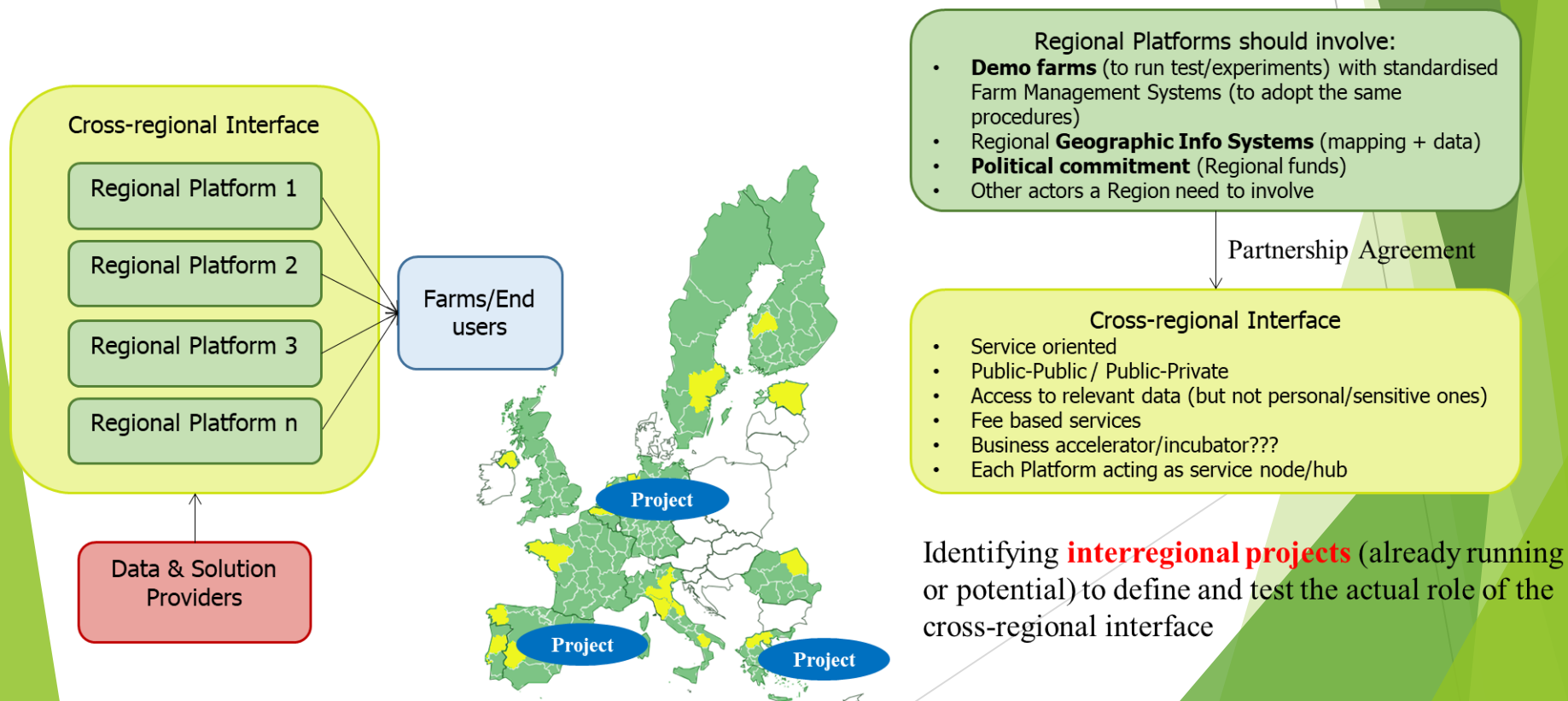- Consolidating the S3 HTF Partnership as an established Interregional Organism to connect Regional Innovation Ecosystems

- Broadening the number of supported interregional investments

- Establishing collaborations with relevant European stakeholders and initiatives

Cross-regional Interface

- Regional Platform 1
- Regional Platform 2
- Regional Platform 3
- Regional Platform n

Farms/End users

Data & Solution Providers

Regional Platforms should involve:
- **Demo farms** (to run test/experiments) with standardised Farm Management Systems (to adopt the same procedures)
- Regional **Geographic Info Systems** (mapping + data)
- **Political commitment** (Regional funds)
- Other actors a Region need to involve

Partnership Agreement

Cross-regional Interface
- Service oriented
- Public-Public / Public-Private
- Access to relevant data (but not personal/sensitive ones)
- Fee based services
- Business accelerator/incubator???
- Each Platform acting as service node/hub

Project
Project
Project

Identifying **interregional projects** (already running or potential) to define and test the actual role of the cross-regional interface

5. Positioning in the EU landscape

▶ Bottom up and open approach devoted to Regional dimension and actors

▶ Fully integrated with the RIS3 policies and strategies, with the capacity to leveraging Cohesion and CAP funds

▶ Multiple synergies with other EU policies (Cluster, DIH, Horizon Europe, EIC, European Partnerships, etc.)

▶ Examples of already established soft collaborations:

Thank you for your attention

https://s3platform.jrc.ec.europa.eu/high-tech-farming