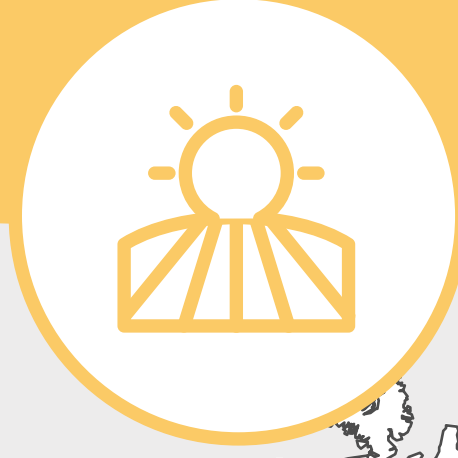


Interregional partnership for Smart Specialisation on HIGH TECH FARMING



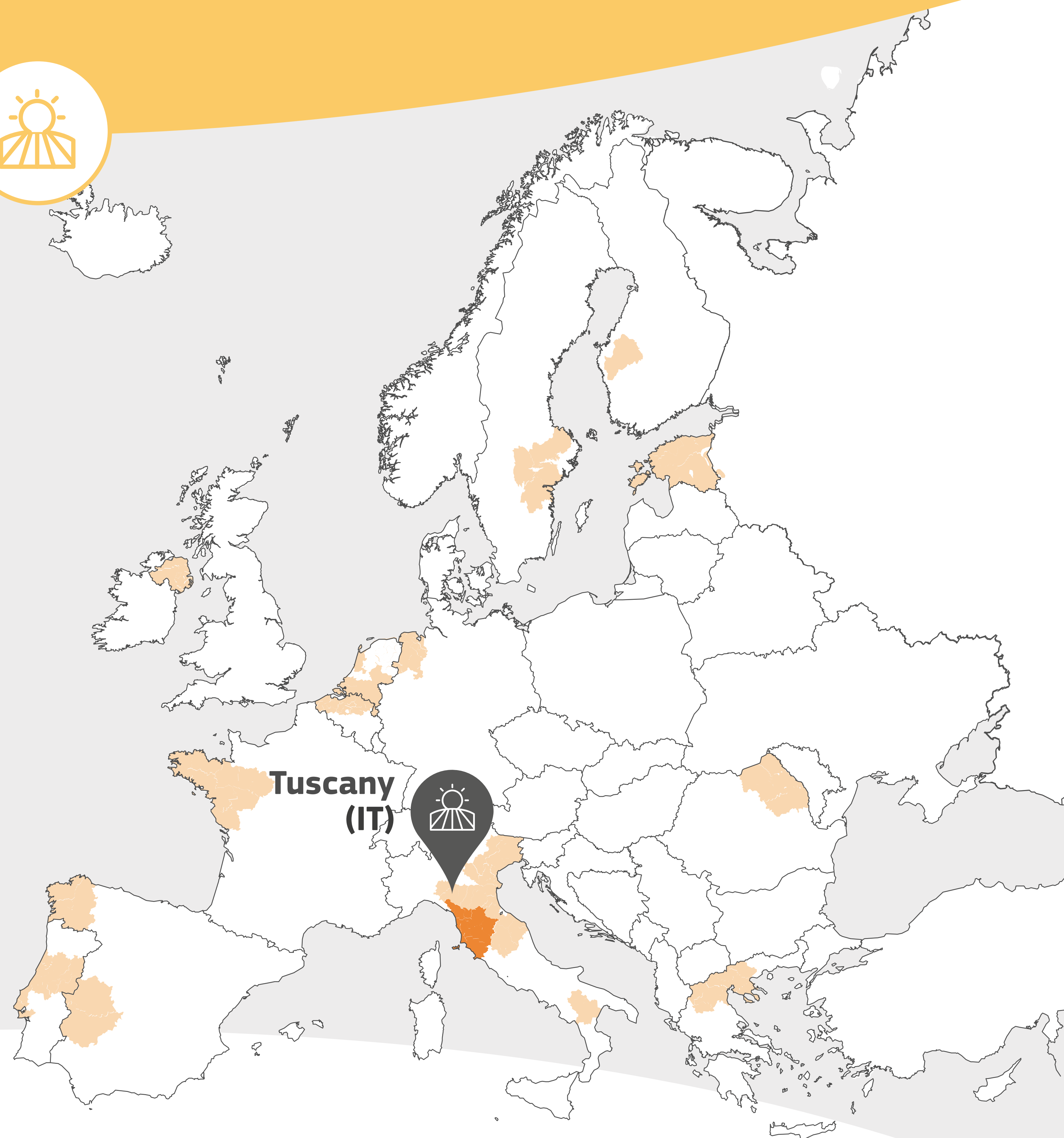
Leaders

Led by **Tuscany (IT)**, the partnership engages the participation of

27 REGIONS AND
MEMBER STATES

The objective of the partnership is to accelerate the development and adoption of Precision Farming technologies through:

- Improving projects impact
- Reducing funding and/or knowledge gaps
- Allowing a better management and marketing of new technologies
- Enabling farmers to use/ influence technologies



Reference topics

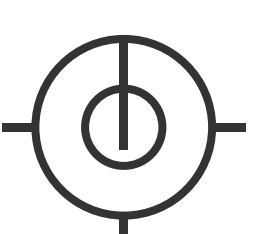
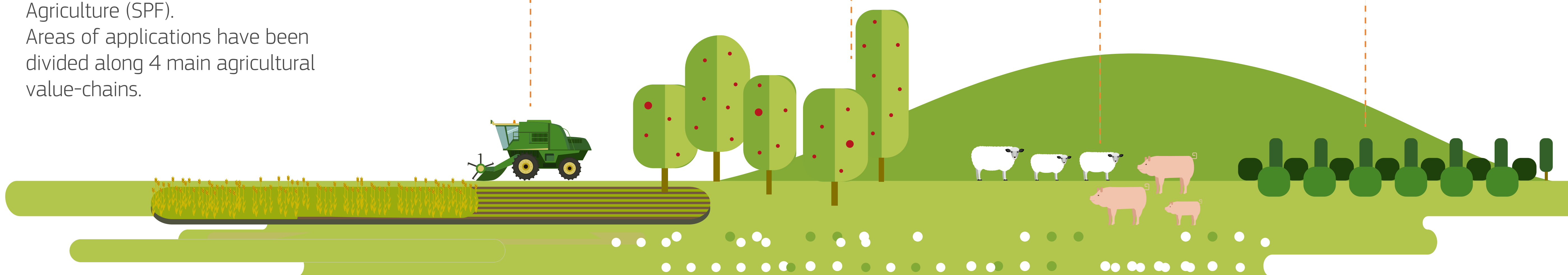
The partnership is focusing on a wide range of technologies and tools (Robotics, ICT, IoT, Big Data, Earth Observation, etc.), whose synergic use allows the shifting to the new paradigm of Sustainable Precision Agriculture (SPF). Areas of applications have been divided along 4 main agricultural value-chains.

Crops
arable, cereals, vegetables
(outdoor agriculture).

Tree cultivation
tree nursery, viticulture, fruits

**Livestock
(outdoor & indoor)**

Protected cultivation
(different types of greenhouses,
highly intensive practices)



Key factors

Key technologies for high tech farming have been aggregated in 4 main areas:

1 Eyes and touch
Sensors and data acquisition to monitor single elements in wider areas (sensors and digital layers) and recognise the effects in each element treated (on broad, proximal and remote sensors).

2 Mind
Data processing to be aware of what, where and when to act in each single productive step (Data, Modelling and Decision Support Systems).

3 Arms
Automation and machineries to do huge and precise tasks (Machineries, programming/automation, robotics)

4 Services maintenance/repairing; training and demo
To be aware on what has been done, data managements and prescriptions, identity of agricultural resources and sustainable use at local and regional level (territorial complexity, TRL of tools & services, Know-how, KICs and CoPs)

