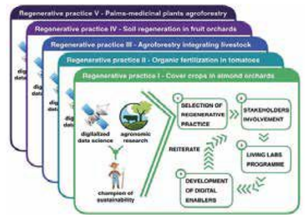
# Smart governance and operational models for agroecological carbon farming




The PRIMA programme is supported under Horizon 2020 the European Union's Framework Programme for Research and Innovation.

The project will be piloted in living laboratories in different parts of the Mediterranean (Italy, Egypt, Tunisia and Spain). Each programme will focus on a specific regenerative practice to create community-based organizations that can drive economic growth through carbon management embedded in agroecological principles and innovations.

FARMS4CLIMATE will improve resilience and environmental sustainability by:

• promoting the transition from high-input to biodiversity-based agricultural models;

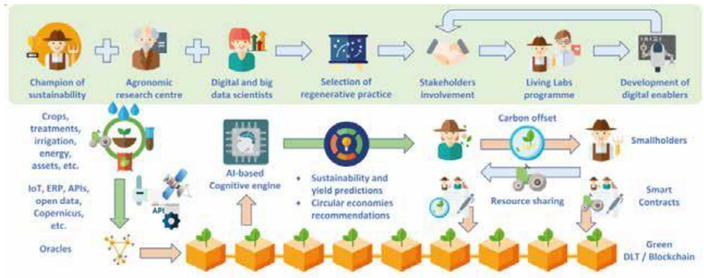
• disseminating a toolbox for agroforestry and ecological management specific to Mediterranean smallholder farmers;

• improving the use of resources in agrosystems, with particular attention to water;

• preventing soil degradation through erosion and organic matter losses;

• equipping community organizations with higher purposes, such as those related to the urgent need to address climate issues while defending farmers' incomes, will facilitate stakeholder alignment and operational activation.

## PARTNERS


## Southern Italy Living Lab

Regions: Basilicata - Metapontino area, Calabria - Catrovillari area

Crops: Apricot, Peach, Kiwifruit

Sites and Area: 4 experimental sites of ~ 1 ha

Varieties: Flopria - Lillycot - Wondercot, Farbela, Luciana - Nectarin, G3 SunGold (yellow fleshed kiwifruit)

## Regenerative Practices

-no-tillage or minimum tillage of the soil

-cover crops

-mulching of pruning residues

-application of organic amendments (e.g. compost or manure)

-reduction of mineral fertilizers by soil nutrients monitoring (e.g. Nitrogen)

-weed mowing

-sustainable irrigation strategy supported by DSS and sensors will be applied in order to improve WUE (Water Use

Section topic: S1 2021 FARMING SYSTEMS (IA)
Title: Smart governance and operational models for agroecological carbon farming
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Duration: 36 months
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Countries: Italy, Spain, Egypt, Greece, Lebanon, Tunisia
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