Transition

Innovative resilient farming systems in Mediterranean environments

Pave the way for a TRANSITION towards resilient agriculture in the Mediterranean, while increasing resilience of agroecosystems, rural societies and return on assets to farmers.

Innovative resilient farming systems in Mediterranean environments

Team: 10 partners from 6 different countries. 5 study regions (3 in the north Mediterranean: France, Italy, Spain; 2 in the south Mediterranean: Algeria, Egypt), and climate modelling specialists (Greece).

Project duration:
06/2021 - 05/2024

To cope with the effects of global change, agro-ecosystems in the Mediterranean basin require a significant shift from conventional farming and agroforestry uses towards longer-term sustainable systems, including agroforestry and mixed farming. This **transition** needs to strengthen the resilience of farmers and rural communities, while restoring traditional uses and incorporating innovative activities.

Using a participatory approach, TRANSITION will work to provide:

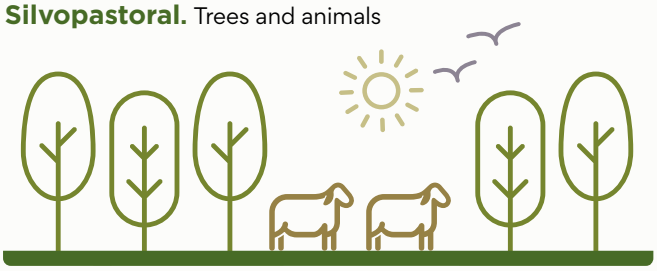
- ✓ A solid understanding of the barriers to broaden of new agricultural practices implementation in agroforestry and mixed farming systems.
- ✓ Tools for evidence-based decision-making and develop a basin-level roadmap for wider adoption.
- ✓ Tools for evidence-based decision-making aligned to stakeholder priorities.

Agroforestry Systems are the deliberated combination of woody vegetation (trees and/or shrubs) in livestock or agricultural productive systems. Their aim is to obtain a benefit from the ecological and economic interactions.

Agrosilvopastoral. Trees, crops and animals

Silvoarable. Trees and crops

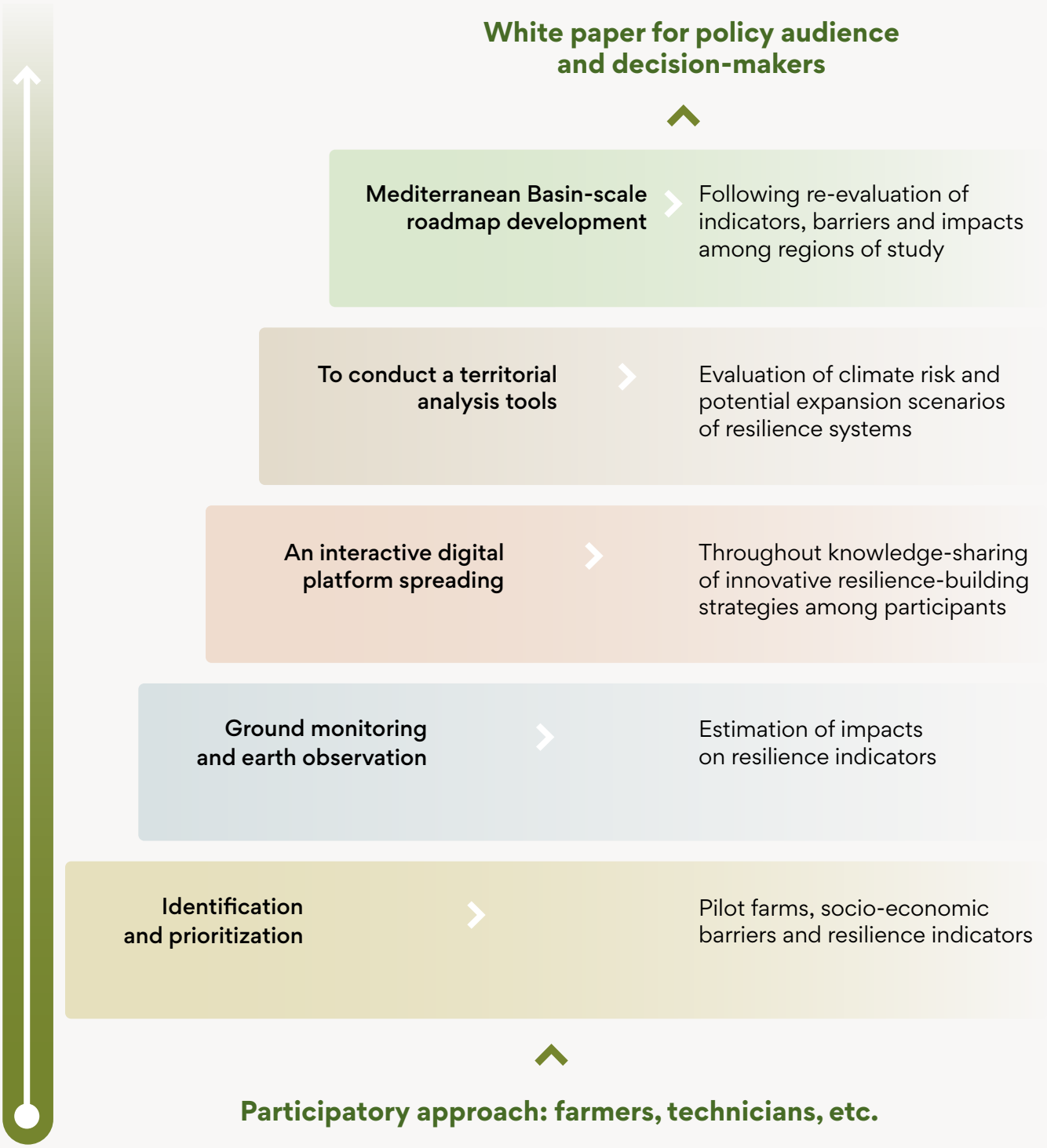
Silvopastoral. Trees and animals



Mixed Farming Systems are the growing of food or cash crops, feed crops, and livestock on the same farm. The difference against agroforestry is the lack of trees in the mixed farming systems.

Mixed farming. Crops and animals

Project methodology



Project impact

- Promote the expansion of environmentally, socially and economically sustainable agroecosystems including agroforestry and mixed farming.
- Quantify the positive impacts on primary productivity and securing farmers incomes.
- Win-win-win of increased soil fertility, climate resilience, and climate mitigation.
- Exploitation and policy guidance by a basin-scale roadmap.
- Facilitate learning and coordination.

Partners

BETA Technological Centre (UVic-UCC, Es)

Edge in Earth Observation Sciences (EDGE, Gr)

University of Catania (UNICT, It)

Forest Science and Technology Center of Catalonia (CTFC, Es)

Algerian National Institute of Agronomic Research (INRAA, Dz)

French Agroforestry Association (AFAF, Fr)

City of Scientific Research and Technological Applications (SRTA-City, Eg)

French National Institute of Agricultural and Environment Research (INRAE, Fr)

National Observatory of Athens (NOA, Gr)

Landfiles (LAND, Fr)

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Union for the Mediterranean
Union pour la Méditerranée
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Funding

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