

Section 1 2023

Farming Systems

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PRIMA
PARTNERSHIP FOR RESEARCH AND INNOVATION
IN THE MEDITERRANEAN AREA



The PRIMA programme is an Art. 185 initiative supported and founded under Horizon 2020, the European Union's Framework Programme for Research and Innovation

Farming systems topic – Section 1

Topic 1.2.1 **IA** **S1**

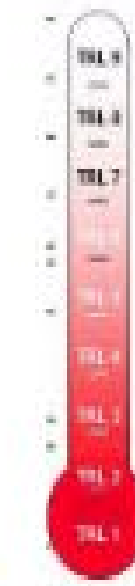
In collaboration
with EU Mission
Soil Deal for Europe



Actions to restore and return
degraded lands in the Mediterranean
region into productive
agroecosystems



8.2 **M€**



TRL 6-8



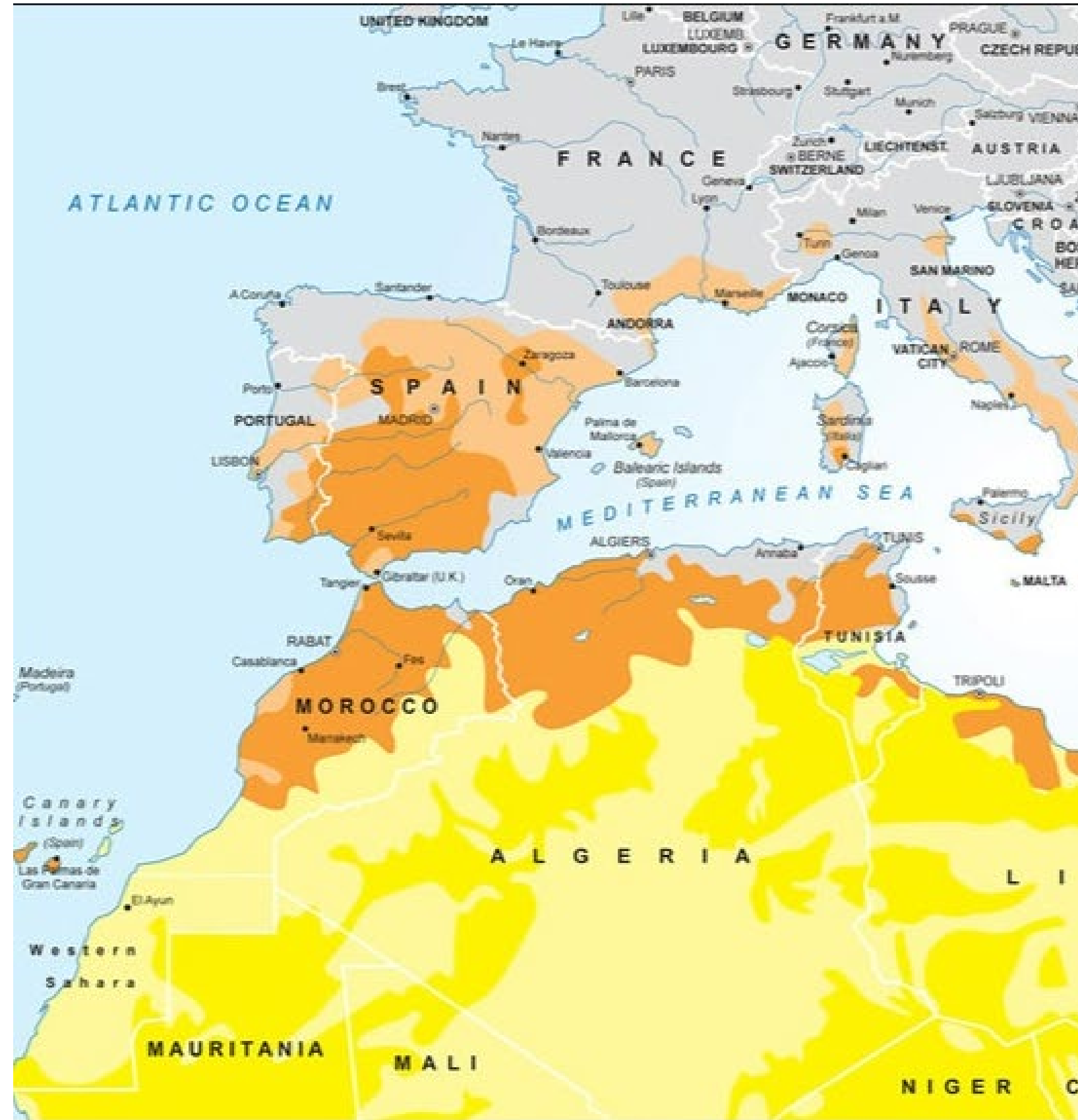
2

Submission deadline Stage 1: 22/03/2023

Challenge



MISSION SOIL



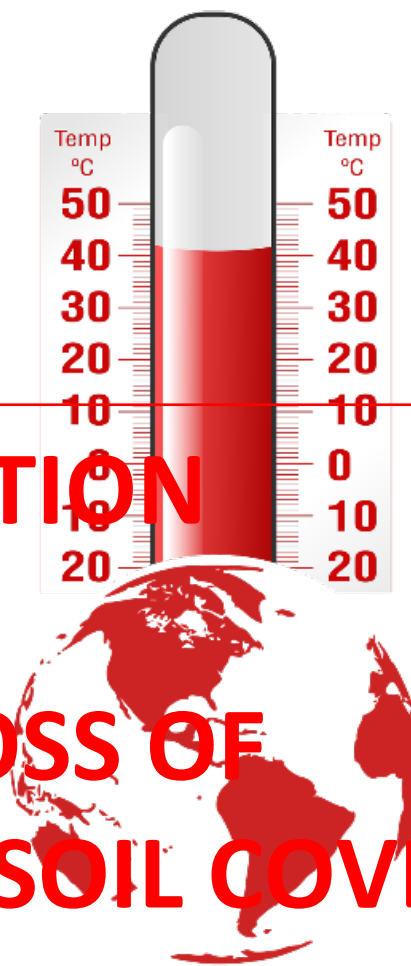
Environment and Security in the Mediterranean: D

Legend:
Yellow: Desert
Light Orange: Semi-desert
Dark Orange: Desertification vulnerability, serious
Light Yellow: Desertification vulnerability, moderate

Sources: Natural Resources Conservation Service, Plan Bleu, Times Atlas of the World

- About 25% of land in Southern, Central and Eastern Europe is at high or very high risk of desertification
- More than 1/3 of the Med Drylands are already affected by desertification

DESERTIFICATION
LEADS TO A LOSS OF BIODIVERSITY AND SOIL COVER



COMPROMISES AGRICULTURAL ACTIVITIES
HAS SEVERE SOCIO ECONOMIC CONSEQUENCES ON VULNERABLE POPULATIONS - SMALLHOLDERS

Scope



RESTORE THE LANDS ALREADY AFFECTED BY DESERTIFICATION AND TURN THEM INTO PRODUCTIVE AGRO-ECOSYSTEMS

Approach

RESTORE BIOLOGICAL-ECOLOGICAL CYCLES USING EXISTING / ALREADY TESTED ECO-FRIENDLY SOLUTIONS (Practices, Technologies, Varieties....) AND SCALE IT/THEM UP

WORK AT A LARGE SCALE TO DEMONSTRATE TO STAKEHOLDERS – LAND MANAGERS – FARMERS- POLICYMAKERS THE BENEFITS OF YOUR SOLUTION IN REAL LIFE CONDITIONS

CIRCULAR ECONOMY – RECYCLING – REUSING- NATURE BASED SOLUTIONS – VALORIZE ECOSYSTEM SERVICES

ESTIMATE AND ANALYSE THE COST/BENEFITS OF THE PROPOSED SOLUTION

DEVELOP ORGANIZATIONAL / BUSINESS MODELS TO SUSTAIN THE ACTION AFTER THE END OF THE PROJECT (creation of new value chains - new market activities- jobs for Young and women ...)



Approach

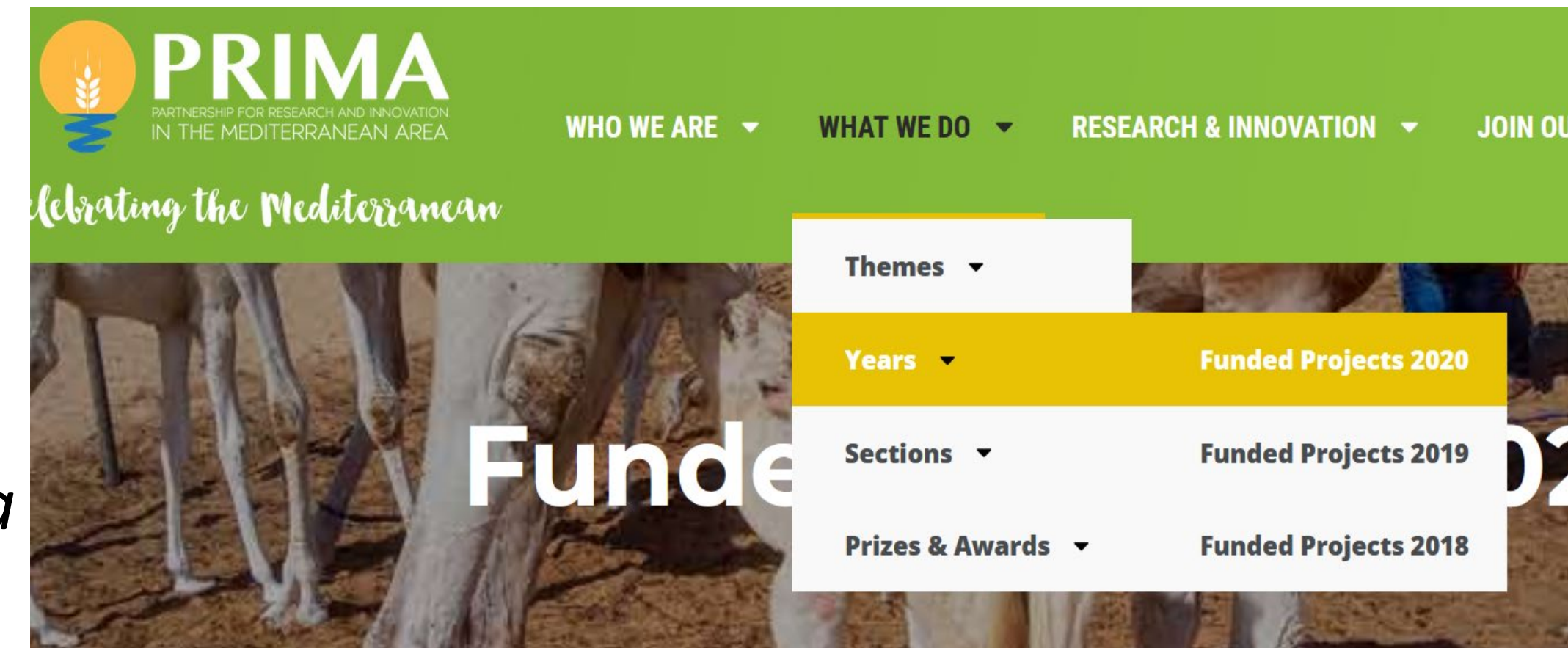


- Take advantage of **THE RESULTS (AND SITES)** of previous Projects and create synergies

PRIMA projects

ex: Call 2021: Sustainable soil and water management for combating land degradation and desertification and promoting ecosystem restoration

*Call 2022 in collaboration with the EU Mission Soil: Developing **integrated soil data for the Mediterranean Region**: a gateway for sustainable soil management*



H2020 # HORIZON EUROPE

- **Adopt Multi actors approach and co-construction of the proposal** (scientists, land planners, farmers, municipalities, private sector, citizens...)
- **Create links with the #EU MISSION SOIL and the #PRIMA WEFE COMMUNITY OF PRACTICE** by developing common activities, living labs, capacity building, knowledge sharing....



Expected Impacts

- **LARGE-SCALE DEMO SITES, PREFERABLY LOCATED IN SOUTHERN COUNTRIES**
- **Restored desertified landscapes:** improve the functionality of ecosystems and landscapes to continue providing ecosystem goods and services, and offer proven and **cost-effective solutions for land restoration**
- **Increased biodiversity, soil health, and food production**
- **Decreased land degradation.** Increased /stabilized the surface of lands suitable for cultivation and other related ecosystem services.
- **Contribute to improving employment, especially for women and youth**



KPI: KEY PERFORMANCE INDICATORS



- Hectares of desertified areas restored
- Number of innovative solutions applied for land restoration
- Number of business models deployed
- Number of stakeholders engaged



Contributions to EU policies, HE Mission and Partnerships

- EU Soil Strategy for 2030
- Biodiversity Strategy for 2030
- EU Adaptation Strategy for climate change

Links with SDGs



SDG 2 (zero hunger), to ensure sustainable food production systems and implement resilient agricultural practices that increase productivity and production, that help maintain ecosystems, that strengthen capacity for adaptation to climate change, extreme weather, drought, flooding and other disasters and that progressively **improve land and soil quality**.



SDG 3 (good health and well-being), by enhancing **food security** and other livelihood benefits, and by increasing the resilience of the land and the populations depending on it;



SDG 6 (clean water and sanitation), through its contribution to sustainable water management



SDG 13 (climate action), by increasing resilience and creating synergistic actions for climate change adaptation and mitigation, for example, by **increasing soil carbon stocks**;



SDG 15 (life on land) Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, **combat desertification, and halt and reverse land degradation and halt biodiversity loss..**



Thank you

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