



Journées d'Information

Francophone PRIMA

7-8 Fevrier 2022

7-8 February 2022



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

PRIMA 2022 Calls topics

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PROJECT OFFICERS

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PRIMA
PARTNERSHIP FOR RESEARCH AND INNOVATION
IN THE MEDITERRANEAN AREA



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

PRIMA Thematics

MANAGEMENT OF WATER

Integrated and sustainable management of water for arid and semi-arid Mediterranean areas



FARMING SYSTEMS

Sustainable farming systems under Mediterranean environmental constraints



AGRO-FOOD VALUE CHAIN

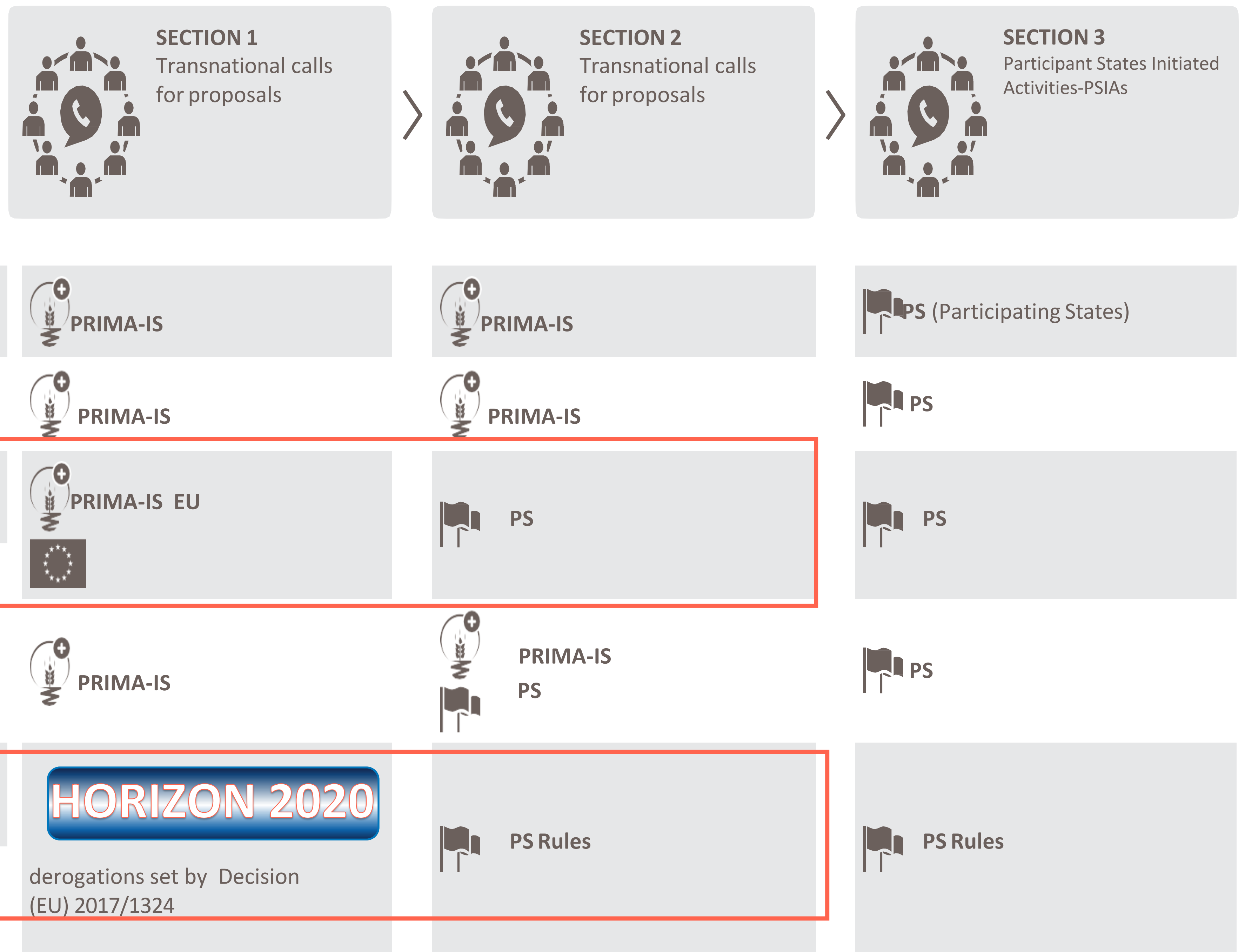
Sustainable Mediterranean agro-food value chain for regional and local development



NEXUS
theme

Background

Programme Structure



Highlights Calls 2022

Budget

Section 1 Calls

Section 1 Call 1

Section 1 Call 2

Section 1 Call 3

Section 1 Call 4

Section 1 Call 5

Indicative EU
contribution

8 250 000

8 250 000

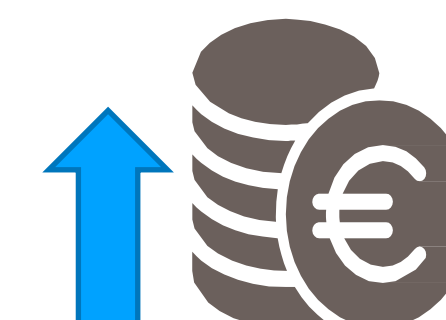
8 200 000

6 200 000

2 000 000



SECTION 1



BUDGET-
/PROJECT

68 MEUR



BUDGET-
/PROJECT

>1.5 M€

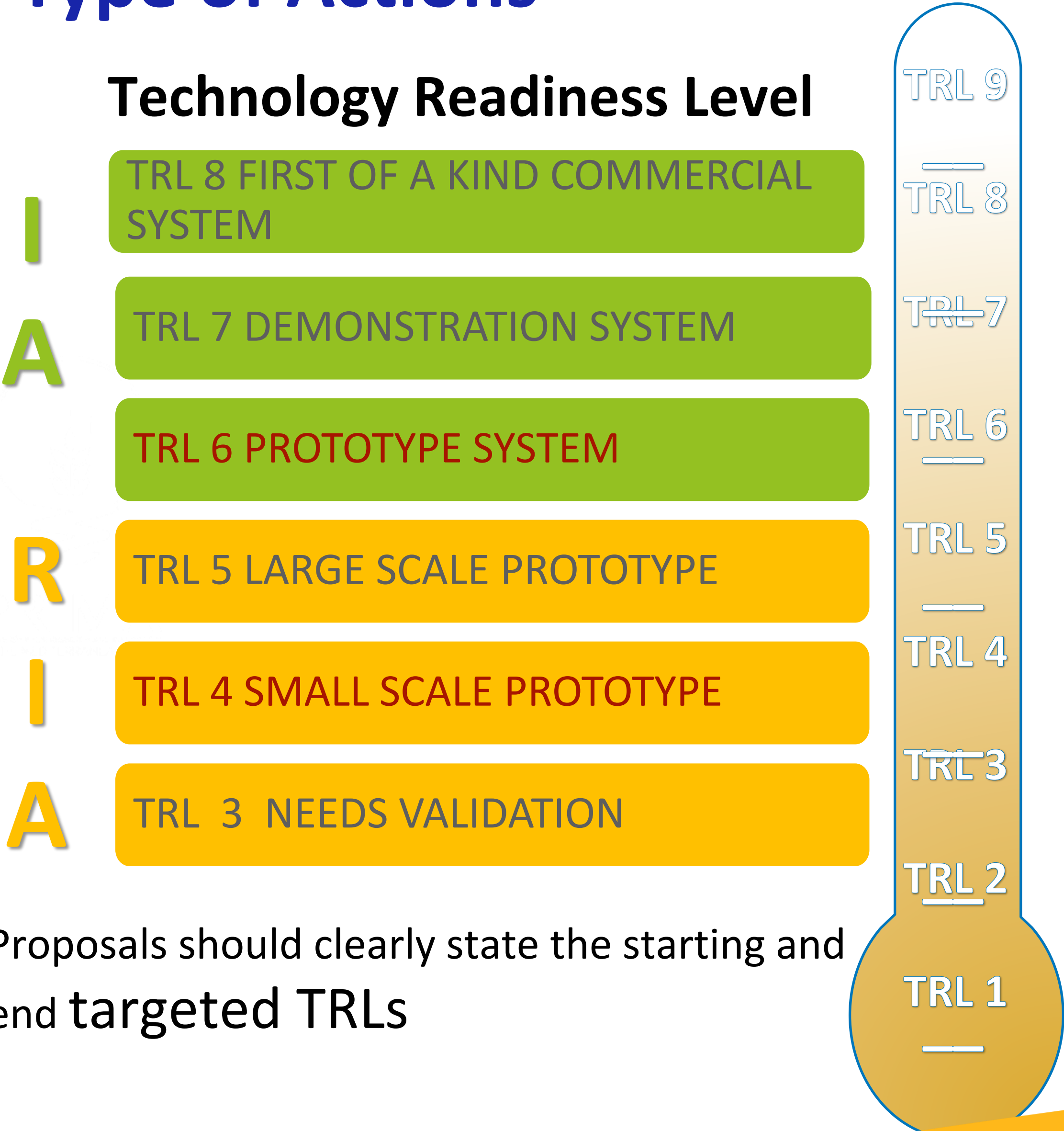
SECTION 2

Highlights Calls 2022

Type of Actions



SECTION 1



Proposals should clearly state the starting and end targeted TRLs

RIA
RESEARCH
AND
INNOVATION
ACTION

IA
INNOVATION
ACTION
DEMO

CSA
COORDINATI
ON SUPPORT
ACTION

TRL 3 TRL 4 TRL 5 TRL 6 TRL 7 TRL 8

**Analogous
to RIA**
Research and
Innovation
Actions



SECTION 2

Topic 1.1.1 IA



Topics
Water
management

S1



Sustainable and integrated management of natural and artificial water storages systems and distribution infrastructures.

Topic 2.1.1 RIA



S2



Prevent and reduce land and water pollution due to agri-food activities.

Topics overview

Farming systems topics

Topic 1.2.1 RIA **S1**

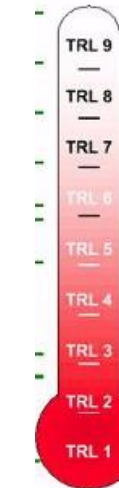
In collaboration
with EU Mission
Soil Deal for Europe



Developing integrated soil data for the
Mediterranean Region: a gateway for
sustainable soil management



8.25 M€

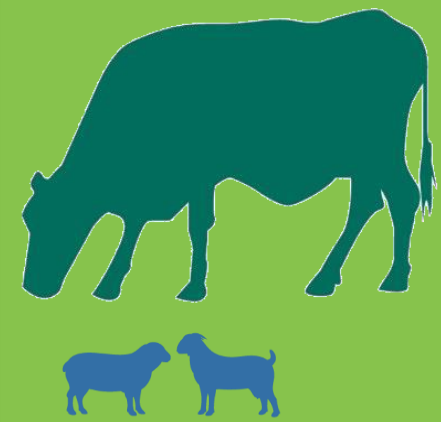


TRL 3-5

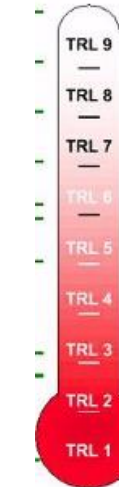


2

Topic 2.2.1 RIA **S2**



Improving the sustainability and
competitiveness of agro-pastoralism in the
Mediterranean region under the context of
climate change



**TRL
3-7**



>1.5 M€



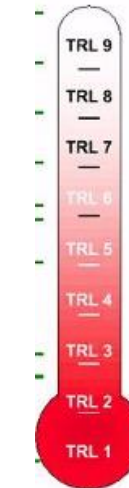
Topic 1.3.1 IA **S1**



Alternative protein sources for the Mediterranean food value chain. From production, extraction, processing and marketing, to societal acceptance.



8.25 M€



**TRL
6-8**

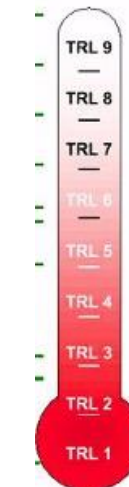


2

Topic 2.3.1 RIA **S2**



Enabling the transition to healthy and sustainable dietary behaviour



**TRL
3-7**



>1.5 M€



Topic 1.4.1 IA



Topics **S1**
Nexus WEFE

Predicting and testing options of socio-economic adaptation to declining Water-Energy-Food-Ecosystem (WEFE) resources in the Mediterranean Region

Topic 1.4.2 CSA Development of a Mediterranean Water-Energy-Food-Ecosystem (WEFE) Community of Practice (CoP)

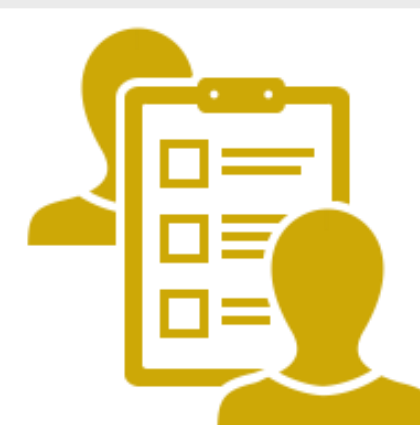


Topics **S1**
Nexus WEFE

Highlights Calls 2022

Calendar

Section	Call publication and opening	Submission deadline Stage 1	Evaluation results Stage 1	Submission deadline Stage 2	Evaluation results Stage 2
1	17/01/2022	15/03/2022	08/06/2022	06/09/2022	24/11/2022
2	17/01/2022	22/03/2022	17/06/2022	13/09/2022	13/12/2022



Rules for participation RIA /IA

- at **least three independent legal entities** established in **three different Participating States**:
- at least **one** must be established in an **EU** Member State participating to PRIMA: Cyprus, Croatia, France, Germany, Greece, Italy, Luxembourg, Malta, Portugal, Slovenia, Spain.
- at least **one** must be established in a **Non EU** country participating to PRIMA: Algeria, Egypt, Israel, Jordan, Lebanon, Morocco, Tunisia, Turkey.

Rules for participation CSA

- at least **ONE independent legal entities** established in a PRIMA Participating States:



Water management topic – Section 1

Topic 1.1.1 IA



Sustainable and integrated management of natural and artificial water storage systems and distribution infrastructure

Topic **S1**
Water management



Submission deadline Stage 1: 15/03/2022

Water management topic – Section 1

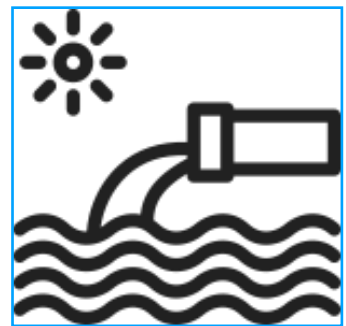


Challenge

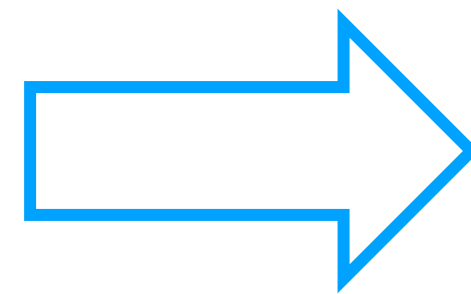
Mediterranean Region characterized by **water scarcity**, exacerbated by effects of **climate change**:

- **mismatch** between water sources and demand
- **overexploitation** of water resources

Sustainable water management is a priority!



CALL
FOCUS



Improvement of the management and operation of:

- natural (through Nature-Based Solutions) and artificial **water storage**
- and **distribution systems** within the agricultural sector (exp. water misuse/losses at the micro- and macro-level)

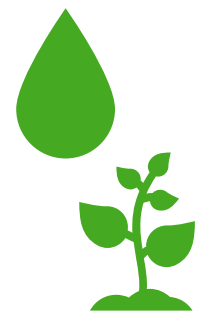


Water management topic – Section 1



Scope

*Proposals to **identify representative demo areas** to improve water storage and distribution systems' capacity & efficiency/ address related challenges, by focusing on...*



soil-water conservation practices and innovative technologies and solutions (**incl. nature-based**)
(consider **climate change**)



efficient functioning of dams and reservoirs, considering the entire water cycle (winter/summer) and the proper soil and water conservation upstream of the water storage resources

governance aspects to deal with issues linked to multi-functionality in **water use and distribution** and **water network efficiency** within the agri sector



valorisation of natural wetlands capacity to **store and purify water**, finding optimum equilibrium between ecological water flow and storage and water use



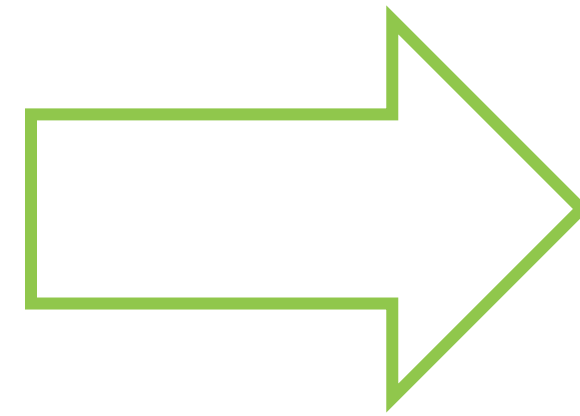
+ develop environmental / cost-benefit indicators to assess of proposed measures

Water management topic – Section 1



Expected Impacts

- optimisation of natural and artificial water storage systems and water distribution infrastructure;
- promotion of soil and water conservation practices;
- natural wetlands valorisation actions...



Cabo de Gata salinas – Photo credits:
Audalix /Wikimedia Commons



Water management topic – Section 1



Key Performance Indicators

- Number of demonstrators
- New practices for end-users
- Degree of integrated water resources management implementation (0-100)
(SDG INDICATOR 6.5.1)
- Change in the extent of water-related ecosystems over time
(SDG INDICATOR 6.6.1)

Water management topic – Section 1



Links with SDGs



...and other
SDGs....

- **TARGET 6.4** By 2030 substantially increase water-use efficiency across all sectors and ensure sustainable withdrawals and supply of freshwater to address water scarcity and substantially reduce the number of people suffering from water scarcity
- **TARGET 6.5** By 2030, implement integrated water resources management at all levels, including through transboundary cooperation as appropriate
- **TARGET 6.6** By 2020, protect and restore water-related ecosystems, including mountains, forests, wetlands, rivers, aquifers and lakes

Water Management topic – Section 2

Topic 2.1.1 RIA



Prevent and reduce land and water pollution due to agri-food activities

Topics **S2**
Water
management



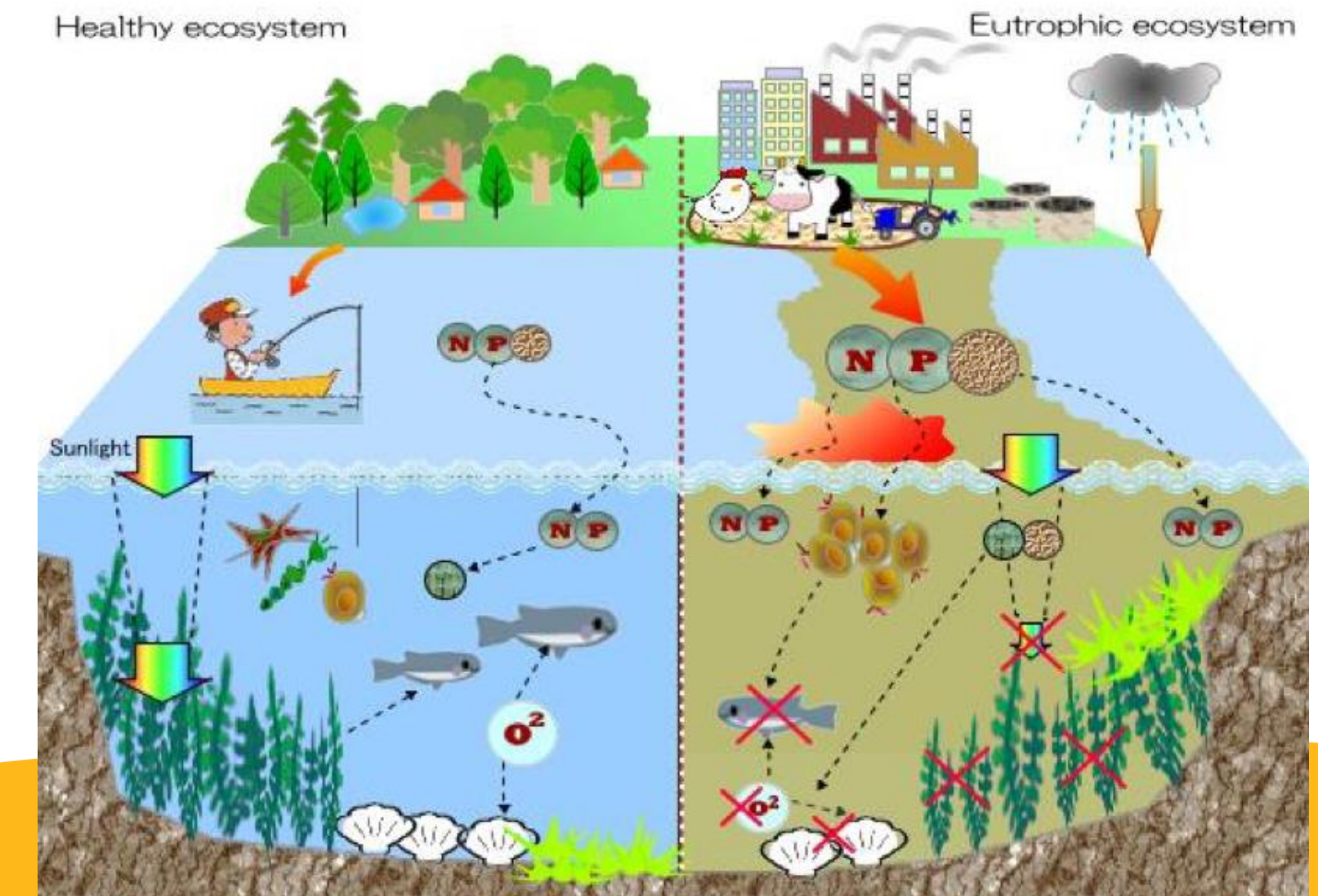
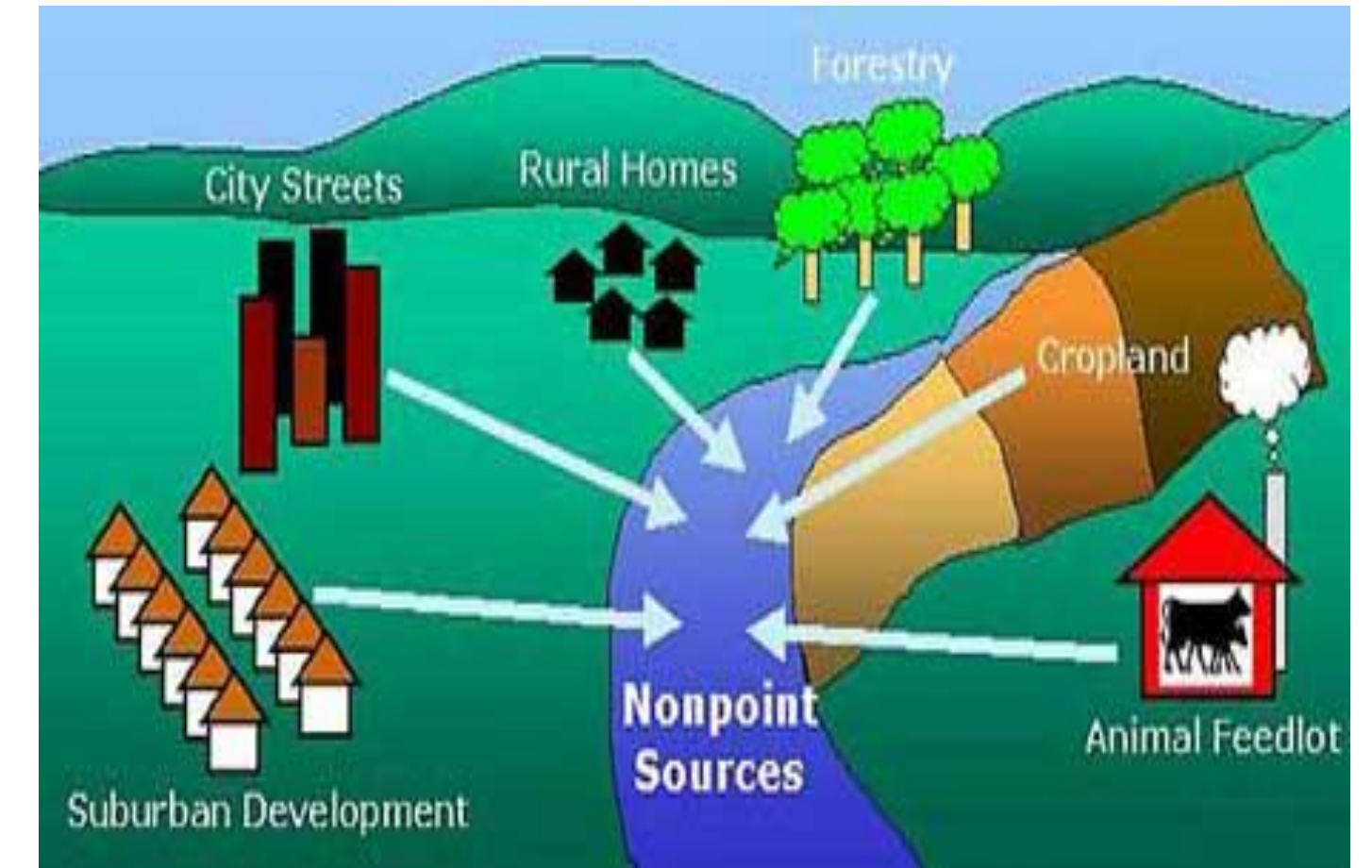
Submission deadline Stage 1: 22/03/2022

Water Management topic – Section 2



Challenge

- Increase in surface & ground water exploitation causes water scarcity + poor water quality
- Biggest non-point contributor of pollution in the Med: agricultural activities!
- Due to low annual rainfall and alkaline soils in the Med region, agricultural production leads to salinization of aquifers + eutrophication of wetlands & coastal waters



Water Management topic – Section 2



Scope

Reduce risk
of water
pollution &
salinization

Consider Med area specifics

Restoring water bodies to quality standards

Ensure profitable agro-food activities

Minimise external use of resources

Fertilisation regimes, mineralisation

Socio-economic studies on cost-benefit outputs

Water Management topic – Section 2



Expected Impacts

Reduction in the contamination and salinization of water bodies by agri-food activities

Site-specific solution to reduce nitrate leaching

Innovative and environmentally-friendly technical solutions for water decontamination

Evaluation of the risks linked to pesticides and other potential organic pollutants, rehabilitation of polluted soils and water

Water Management topic – Section 2

Key Performance Indicators



Biochemical oxygen demand in rivers

Nitrate in ground-water

Farming systems topic – Section 1



Topic 1.2.1 RIA **S1**

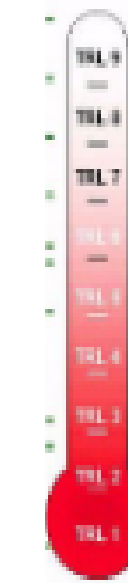
In collaboration
with EU Mission
Soil Deal for Europe



Developing integrated soil data for the
Mediterranean Region: a gateway for
sustainable soil management



8.25 M€



TRL 3-5



2

Submission deadline Stage 1: 15/03/2022

Challenge



MISSION SOIL



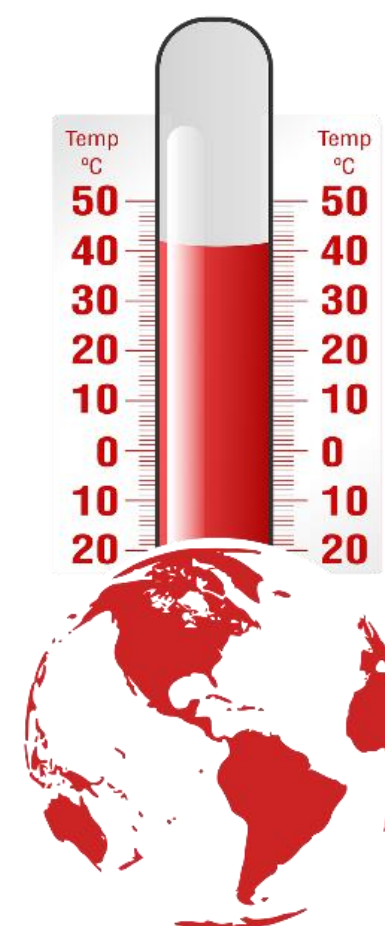
- 60-70% of soils in the EU are considered to be “unhealthy”



- High % of agricultural land in the EU shows excess levels of nutrients



- About 25% of land in Southern, Central and Eastern Europe is at high or very high risk of desertification



SOIL DEGRADATION:

COMPROMISES FOOD SECURITY AND WATER AVAILABILITY IN THE REGION

AFFECTS THE PROFITABILITY OF SMALLHOLDERS AND THE ACCESS TO FRESH FOOD IN SOME REGIONS

AVAILABLE DATA IN THE SOUTH MED REGION ARE SCARCE



Scope



- Improve soil health monitoring & prevent degradations
- Identify the gaps in data availability for soil health in the region
- Develop or adapt a set of INDICATORS / METHODS FOR MEASURING SOIL HEALTH (PHYSICO CHEMICAL AND BIOLOGICAL PARAMETERS)
- Harmonize and standardize data / methods to ensure interoperability and comparisons (field observation, satellite images, lab)



Approach

- Take advantage of previous Projects and methodologies and create synergies

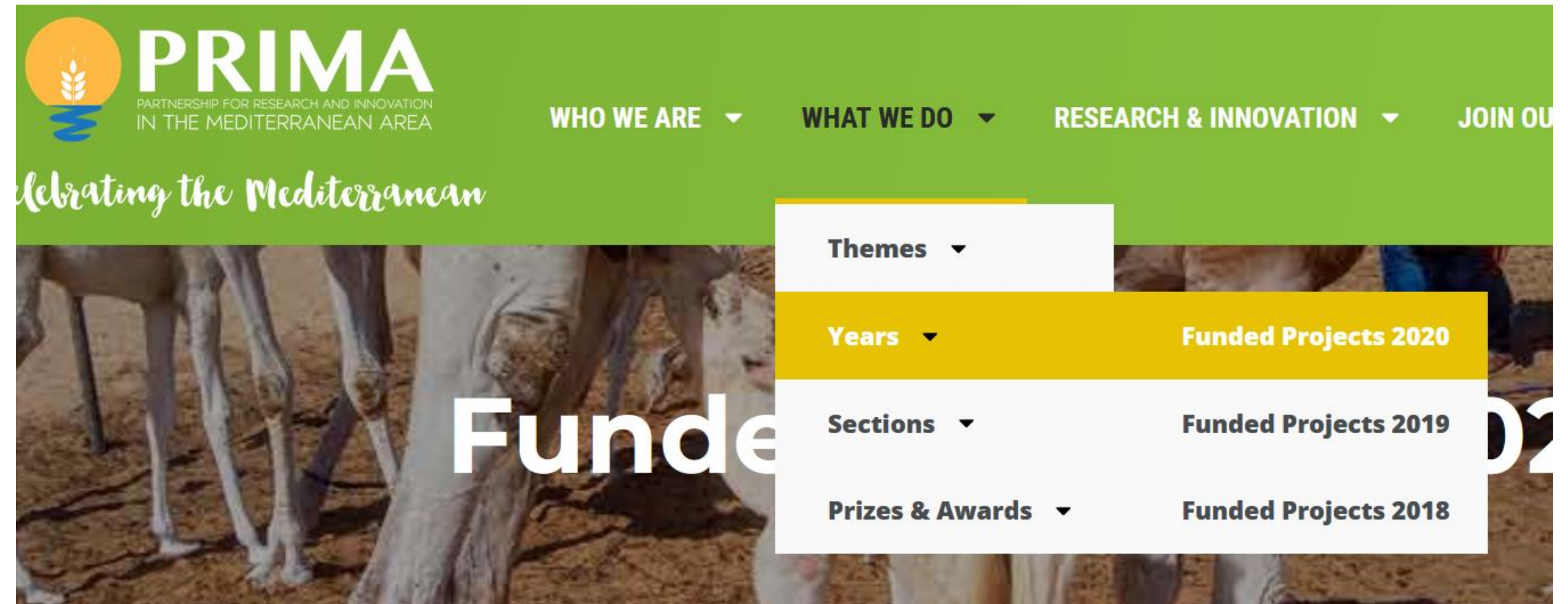
#PRIMA projects

LUCAS project

JRC soil atlas

soilcare

soils4africa



- Mapping of Research centers and certified living labs for soil health

European
Network of
Living Labs

- Multi actors (scientists, land planners, farmers, municipalities, private sector, citizens...) to ensure the sustainability / availability of the data on the long term



- Promote “on the ground events” with the #EU MISSION SOIL

Expected Impacts

- Short term:

Creation of MED Living labs integrated to the Living Lab EU network / be a reference center for soil

Propose clear and standardized methodologies and Indicators for soil health

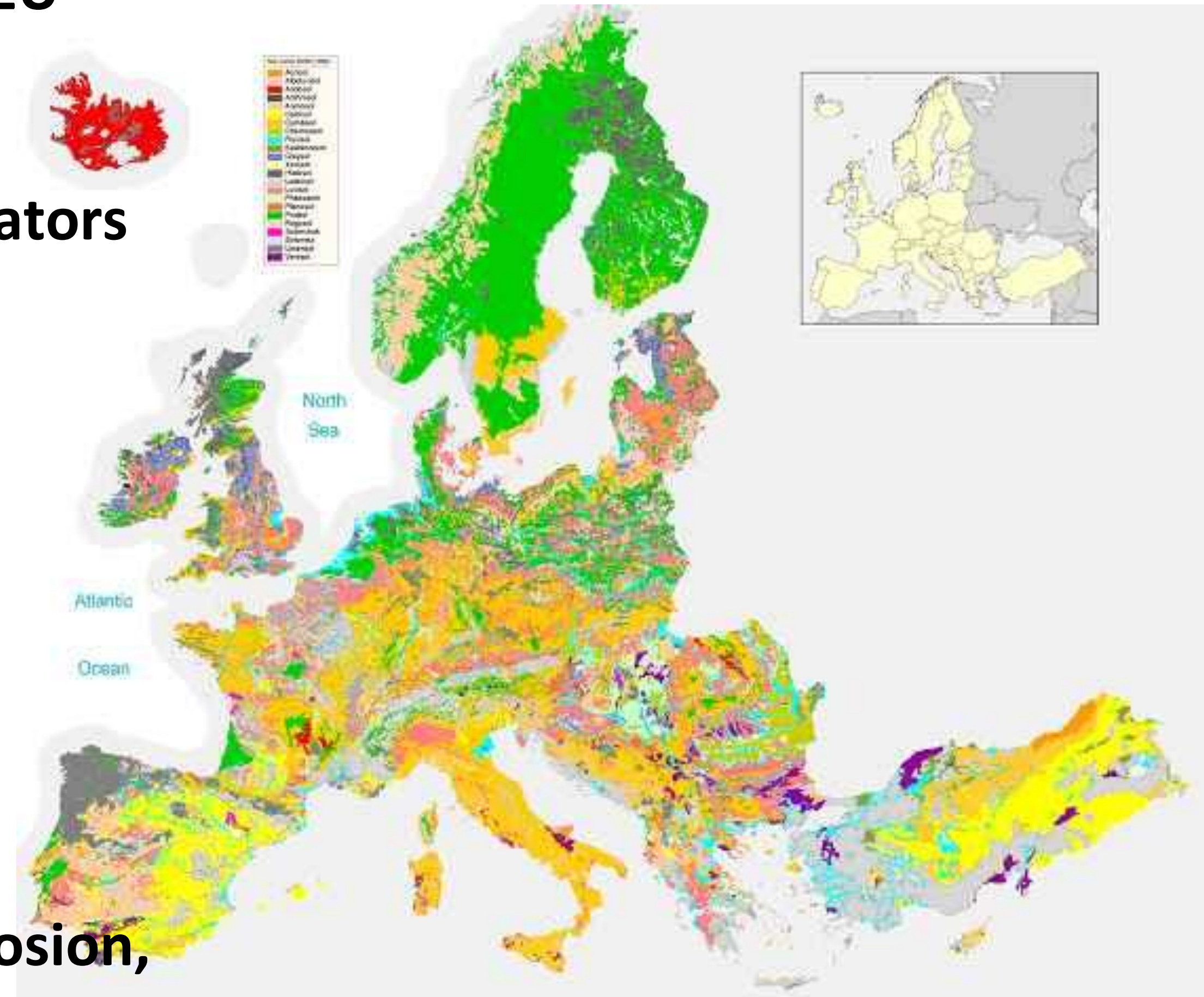
Obtain better soil information systems to prevent land degradation

Contribute to the soil Atlas of the Mediterranean Region

- Long term:

Assess the impact of different practices on soil health, erosion, salination, desertification.....

Solution to Increase carbon sequestration and to mitigate land degradation



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**;

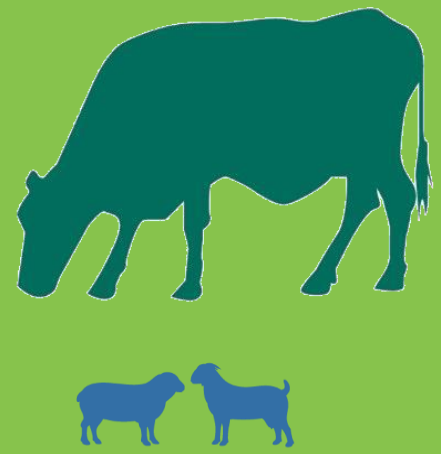


SDG 15 (life on land), which focuses on the achievement of land degradation neutrality, by providing a suite of targeted, **appropriate land management practices that prevent the loss of healthy land and maintain or improve the land's productivity**.

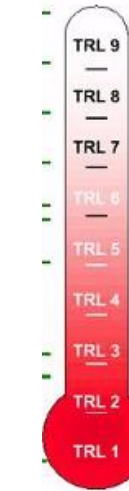


Farming Systems topic – Section 2

Topic 2.2.1 RIA **S2**



Improving the sustainability and competitiveness of agro-pastoralism in the Mediterranean region under the context of climate change



**TRL
3-7**



>1.5 M€

Submission deadline Stage 1: 22/03/2022

Farming Systems Topic – Section 2



Challenge

%50 of Med -Marginal rural settings



Intensive agricultural practices unfeasible



AGRO PASTORALISM

Primary source of employment & income,
ecosystem functioning, landscape management

Farming Systems Topic – Section 2



Challenge

Unfavourable institutional and **economic conditions** → unsustainable practices, problems of farm economic viability, and generational renewal

Volatile rainfall patterns and recurrent droughts, **environmental** and **climate change**

Overgrazing and **land abandonment** → degradation of rangelands, disappearance of fauna, flora, and entire biotopes, increase in soil erosion, changes in the landscape

Agro-pastoral multifunctional systems = important asset to produce **quality food**, support the **livelihood of communities**

Farming Systems Topic – Section 2



Scope

Viable agro-pastoral farming and rational use of rangelands

Agroforestry practices for supporting pastoral and agropastoral livestock production

Consider products' quality in terms of consumers' health and safety, provision of socio-ecosystem services, questions of social, gender and generational dynamics

Address the **policy-setting** and the **market frame**, provide **advice and suggestions** for a more **enabling** institutional and economic environment

Farming Systems Topic – Section 2



Expected Impacts

Enhance the **resilience of Mediterranean pastoral and agro-pastoral communities** to societal and climate change

Contribute to improving the **economic, social and environmental** conditions of agro-pastoral farming and livelihoods

Preserve and rehabilitate pastoral ecosystems, including animal and plant biodiversity, rangeland recovery and landscape management

Enhance the **quality, typicity, diversity, value-adding** and related value chains for traditional pastoral products

Support **generational renewal of agro-pastoral farming** through the **involvement of women, youth and newcomers**

All Topics



Links with EU Policies and Missions

- Water Framework Directive (WFD)
- EU Action Plan: 'Towards Zero Pollution for Air, Water and Soil'
- [Horizon Europe Mission: Restore our Ocean and Waters](#)
- [Farm to Fork Strategy](#)
- [Biodiversity Strategy](#)
- [Horizon Europe Mission on Soil Health and Food](#)
- European Partnership Water Security for the Planet (Water4All)
- European Partnership accelerating farming systems transition: agroecology living labs and research infrastructures
- European Partnership Agriculture of data
- European Partnership for Safe and Sustainable Food Systems for people, planet and climate
- European Partnership for rescuing biodiversity to safeguard life on Earth

All Topics – Section 2

Links with SDGs



Target 2 – Zero Hunger

T2.3 - By 2030 double the agricultural productivity and the incomes of small-scale food producers, particularly women, indigenous peoples, family farmers, pastoralists and fishers, including through secure and equal access to land, other productive resources and inputs, knowledge, financial services, markets and opportunities for value addition and non-farm employment

T2.4 - By 2030 ensure sustainable food production systems and implement resilient agricultural practices that increase productivity and production, that help maintain ecosystems and that progressively improve land and soil quality

Target 3 – Good Health & Well Being

T3.4 - By 2030, reduce by one third premature mortality from non-communicable diseases through prevention and treatment and promote mental health and well-being

Target 12 – Responsible Consumption & Production

T12.2 - By 2030, achieve the sustainable management and efficient use of natural resources

Target 6 - Clean Water & Sanitation

T6.3 - By 2030, improve water quality by reducing pollution, eliminating dumping and minimizing the release of hazardous chemicals and materials.

T6.6 - By 2030, protect and restore water-related ecosystems, including mountains, forests, wetlands, rivers, aquifers and lakes

Target 15 – Life on Land

T15.3 - By 2030, combat desertification, restore degraded land and soil, including land affected by desertification, drought and floods, and strive to achieve a land degradation-neutral world

Thank you

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