

PRIMA 2023 Calls- infoday

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PROJECT COORDINATOR



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.

Conten

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Background

AWP approval process
SRIA
Programme structure

2

Highlights Calls 2023

Type of Action
Budget
Calendar

3

Topics Overview



4 THEMATIC AREAS

MANAGEMENT OF WATER



FARMING SYSTEMS



AGRI-FOOD VALUE CHAIN



Background d SRIA



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 agri-food value chain for regional and local development



NEXUS theme

Background Programme Structure



*PRIMA Decision <https://eur-lex.europa.eu/legalcontent/EN/TXT/PDF/?uri=CELEX:32017D1324&from=EN>



HORIZON 2020

PRIMA Derogations* to H2020 rules of participation

minimum participation of at least **three independent legal entities established in three different countries considered to be Participating** of which:

- (i) at least one is based in a Member State or third country associated to Horizon 2020
- (ii) at least one is established in a third country bordering the Mediterranean Sea

MINIMUM CONSORTIUM

Highlights Calls 2023

3 DIFFERENT
COUNTRIES



AT LEAST

2 MPCs

AT LEAST

4

LEGAL
ENTITIES

Fostering South-South cooperation



1 MPC

The two legal entities could be in a different region of the same Mediterranean Partner Country or two different Mediterranean Partner Countries*

*Algeria, Egypt, Jordan, Israel, Lebanon, Morocco, Tunisia, Turkey

Highlights Calls 2023

Section 1, four Calls for proposals

THEMATIC AREAS

Management of water

Farming systems

Agro-food value chain

WEFE Nexus



4 Topics



one Call for contest
WEFE Nexus Award

Section 2, a single multi-topic Call

THEMATIC AREAS:

Management of water

Farming systems

Agro-food value chain



3 Topics

Highlights Calls 2023- boosting the innovation potential

Call 2018

Call 2019

Call 2020

Call 2021

Call 2022

Call 2023

2024



INNOVATION ACTIONS: 3 IAS
«ACTIVITIES DIRECTLY AIMING AT
PRODUCING PLANS AND
ARRANGEMENTS OR DESIGNS FOR
NEW, ALTERED OR IMPROVED
PRODUCTS, PROCESSES OR SERVICES”



THE PROPOSAL ARE EXPECTED TO
DEVELOP THE ACTIVITIES, PILOTS IN
**BIG DEMO SITES INVOLVING A LARGE
NUMBER OF STAKEHOLDERS**



**HIGHER TRL STIMULATING
SOLUTIONS CLOSER TO
MARKET**



TO MAKE INNOVATION MORE
DEMAND DRIVEN, PRIMA PROMOTES
**MULTI-ACTOR APPROACH
CO-CREATION PROCESS..**

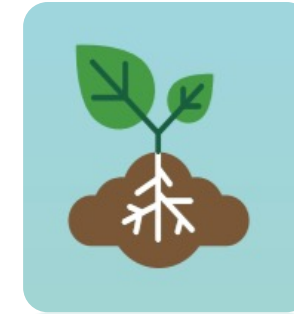
Highlights Calls 2023

-fostering collaboration with the EU Missions

Topics drafted in Collaboration with:

EU Mission «A Soil Deal for Europe»

- ✓ Projects are expected to build links with the Mission “A Soil deal for Europe”. Proposals should include dedicated tasks and appropriate resources for coordination measures and joint activities with relevant



projects are expected to build links with the action funded by the Mission under the topic **HORIZON-MISS-2023-SOIL-01-04: Innovations to prevent and combat desertification**

EU Mission “Restore our oceans and waters 2030»

- ✓ Projects are expected to contribute to the EU Mission "Restore our ocean and waters by 2030“ in particular with the Mission lighthouse in the Mediterranean Sea basin, piloting solutions for the prevention and elimination of pollution, including nutrient pollution



projects are expected to build links with the coordination and support actions under the topic **HORIZON-MISS-2021-OCEAN-03-02 : Mediterranean Sea Basin Lighthouse – Coordination Activities**

Highlights Calls 2023-focus on expected outcomes



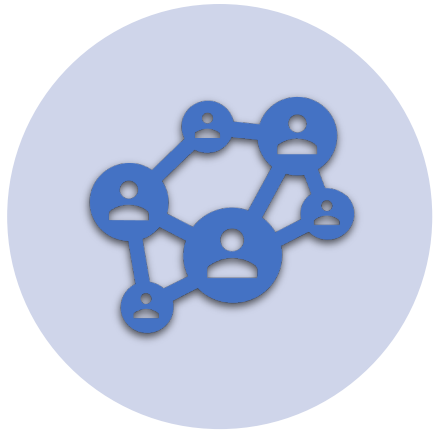
ACTIVITIES WILL BE KEY TRANSVERSAL COMPONENT OF PROJECT PROPOSALS, ENHANCING RESEARCH AND INNOVATION CAPACITIES



GENDER EQUALITY CONCERNS ALL PARTS OF PRIMA PROGRAMME

Highlights Calls 2023

-to increase impact: fostering networking among projects



**FOSTER PROJECTS NETWORKS
COLLABORATIONS WITHIN PRIMA**



**BUILDING ON WHAT HAVE BEEN DONE SO FAR BY
PRIMA AND OTHER EURO-MED PROJECTS**

i.e. ENI CBC MED, HORIZON 2020, HE



KPIS

Highlights Calls 2023

Type of Actions



SECTION 1

Technology Readiness Level

TRL 8 FIRST OF A KIND COMMERCIAL SYSTEM

TRL 7 DEMONSTRATION SYSTEM

TRL 6 PROTOTYPE SYSTEM

TRL 5 LARGE SCALE PROTOTYPE

TRL 4 SMALL SCALE PROTOTYPE

TRL 3 NEEDS VALIDATION

TRL 9

TRL 8

TRL 7

TRL 6

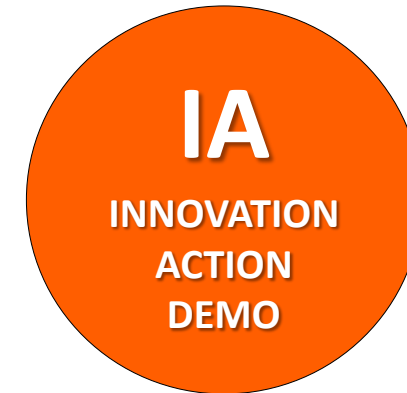
TRL 5

TRL 4

TRL 3

TRL 2

TRL 1



TRL 3 TRL 4 TRL 5 TRL 6 TRL 7



SECTION 2

Proposals should clearly state the starting and end targeted TRLs

Highlights Calls 2023

Budget

Section 1 Calls

Section 1 Call 1

Section 1 Call 2

Section 1 Call 3

Section 1 Call 4

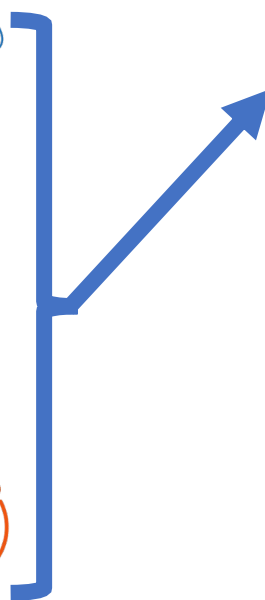
Indicative EU
contribution

8 200 000

8 200 000

8 250 000

8 200 000



SECTION 1



BUDGET-
/PROJECT

69 MEUR



BUDGET-
/PROJECT

>1.5 M€

SECTION 2



- To restore and return degraded lands in the Mediterranean region
- Fostering the circular economy and bioeconomy solutions along food systems value: towards carbon neutral farms
- To improve water quality
- To promote agri-food supply chain (cereal) resilience in the Mediterranean region.
- To deploy WEFE nexus solutions to accelerate adaptation and mitigation to climate change in the Mediterranean



Highlights Calls 2023

Calls contents-general features

Support the transition towards **circular resilient, green, and socially inclusive economy in the Mediterranean**

Will contribute to important key priority and strategies



UN2030 Agenda
Sustainable
Development



Barcelona
Convention and
related UfM
Action Plan
UfM Roadmaps

Topic 1.1.1 IA

Topic
Water
management **S1**



Integrated adaptive wastewater management plans in the Mediterranean region



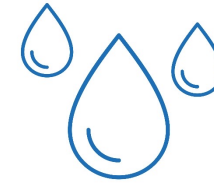
Topic 2.1.1 RIA

S2



New governance models to define best practices for sustainable water management and conflict mitigation

Water management topic – Section 1



Scope

Issues mentioned should be addressed holistically through wastewater management plans based on new *circular economy business models* and integrating *green (incl. NBS) and grey solutions*

Demonstrating the recovery & recycling of nutrients from wastewater/sewage sludge	<i>prevent nutrient pollution in aquatic environments and lower need for fossil-based fertilisers</i>
Upgrading WW treatment plants	<i>trap micro-pollutants/micro-plastics, increase water reuse and better sewage sludge management</i>
Optimising energy consumption, encouraging uptake of energy efficient tech	<i>energy savings and reduction of GHG emissions</i>
Strengthening uptake of digital solutions	<i>tracking of potential pollutants at the inlet and outlet of the WW treatment facilities</i>
Planning surveillance systems for COVID-19 in large WW treatment plants	<i>source of information on the spread of the virus and other emerging pathogens</i>
Involve national, regional, local authorities, industry, farmers and consumers	<i>analyse governance options and costs of improved access to sanitation in Med countries</i>

Proposals to outline links w/ other projects and the EU Mission “Restore our ocean and waters by 2030” (Water Knowledge System, Implementation Support Platform for Coordination and Monitoring, Med Sea Basin Lighthouse)

Water Management topic

Scope



Contribute to water sustainability & security in the MED:

Bring together;

- Stakeholders
- Administrations
- Non-state actors
- Innovative technologies

- Optimise water use
- Avoid depletion
- Create knowledgeable action
- Change dynamics of water demand & supply

- Map water resources
- Establish methodologies based on monitoring & modelling
- Technical solutions for information gaps
- Response to climate-induced risks
- Optimise water storage
- Preserve water in a circular economy context

- Examine governance solutions
- Analyse water tariff systems & prices
- Identify inefficiencies
- Identify impact on environment & water security
- Propose alternative models & instruments:
 - affordability
 - cost recovery
 - willingness to pay

- Review legal frameworks & agreements
- Propose measures that guarantee fair & sustainable access
- Balance conflicting interests
- Minimise future conflict
- Enhance stakeholder participation
- Scale-up of existing practices

Topic 1.2.1 RIA

S1

In collaboration
with EU Mission
Soil Deal for Europe



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



8.25 M€



TRL 3-5

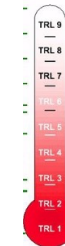


2

Topic 2.2.1 RIA

S2

A step toward carbon-neutral farms:
coupling renewable energy sources with
circular farming systems.



**TRL
3-7**



>1.5 M€

Farming systems topic – Section



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

- RESTORE BIOLOGICAL-ECOLOGICAL CYCLES USING EXISTING / ALREADY TESTED ECOFRIENDLY SOLUTIONS (Practices, Technologies, Varieties....) AND SCALE IT/THEM UP WORK AT A LARGE SCALE TO DEMONSTRATE TO STAKEHOLDERS –
- 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
- Create links with the **#EU MISSION SOIL** and the **#PRIMA WEFE COMMUNITY OF PRACTICE** by developing common activities, living labs, capacity building, knowledge sharing....

Farming Systems Topic – Section 2



Develop integrated farming systems

- Using renewable energy
 - Decrease GHG emissions
 - Maximise use/reuse of waste and inputs
- Reusing treated wastewater & sewage sludge

Open field or protected farming systems

- Innovative, actionable and affordable**
- Minimize costly use of external inputs**
- Optimize resource use**
- Greenhouses, aeroponic, hydroponic, aquaponic and cascade systems**

Open fields

- Eco-friendly practices
- Enhance integrated utilization of farm waste or agro-food by-products

Greenhouse conditions

- Improve passive accumulation of heat
- Carbon dioxide enrichment

Closed soilless farming systems

- Ensure sustainability
- Hydroponics
 - Aquaponics
 - Vertical farming

Topics overview



Topic 1.3.1 RIA **S1**

Increasing agri-food supply chain (cereal) resilience in the MENA region.



8,2 M€



**TRL
3-5**



3

Topic 2.3.1 RIA **S2**

Assessing novel antimicrobial food packaging and coating materials to reduce food waste to improve safety in the Mediterranean food supply chain



**TRL
3-7**



>1.5 M€

Agri-food value chain topic – Section 1



Vulnerability
Fragility

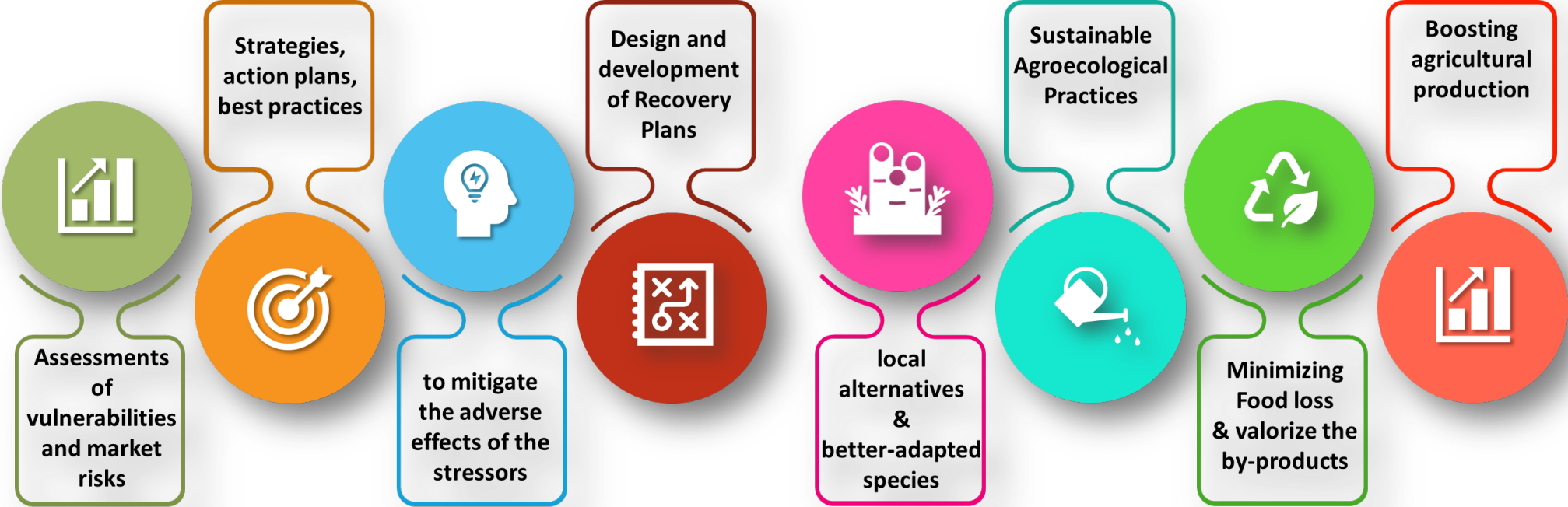


Better Understanding



Resilience

RECOMMENDATIONS & SOLUTIONS



Agro-Food Value Chain topic – Section 2



Novel, cost-competitive and versatile biodegradable food packaging/coating materials

- Control packaging atmosphere
- Prevent food spoilage
- Cause no env. Damage

Bioplastics/biocomposites for food packaging

- Determine env. impact
- Eco. Feasibility

Microbiome solutions

- Predictable and sufficient shelf life
- Substitute anti-microbial chemical agents

Tailor for different traditional Med. food categories and processing techniques/technologies

- raw
- cooking
- fermentation
- Dehydration

ICT-based solutions


- Reduce waste
- Improve efficiency of the supply chain
- Provide relevant actors with info on storage & transportation conditions

WEFE Nexus Topic/Prize

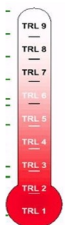


Topic 1.4.1 (IA)


Accelerate adaptation and mitigation to climate change in the Mediterranean region by deploying WEFE nexus solutions.



8.2 M€



TRL 6-8



2

SUBMISSION DEADLINE STAGE 1:

22/03/2023

WEFE NEXUS AWARD

Successful implementation of management practices of WEFE resources at the local or regional scale of the Mediterranean Region.



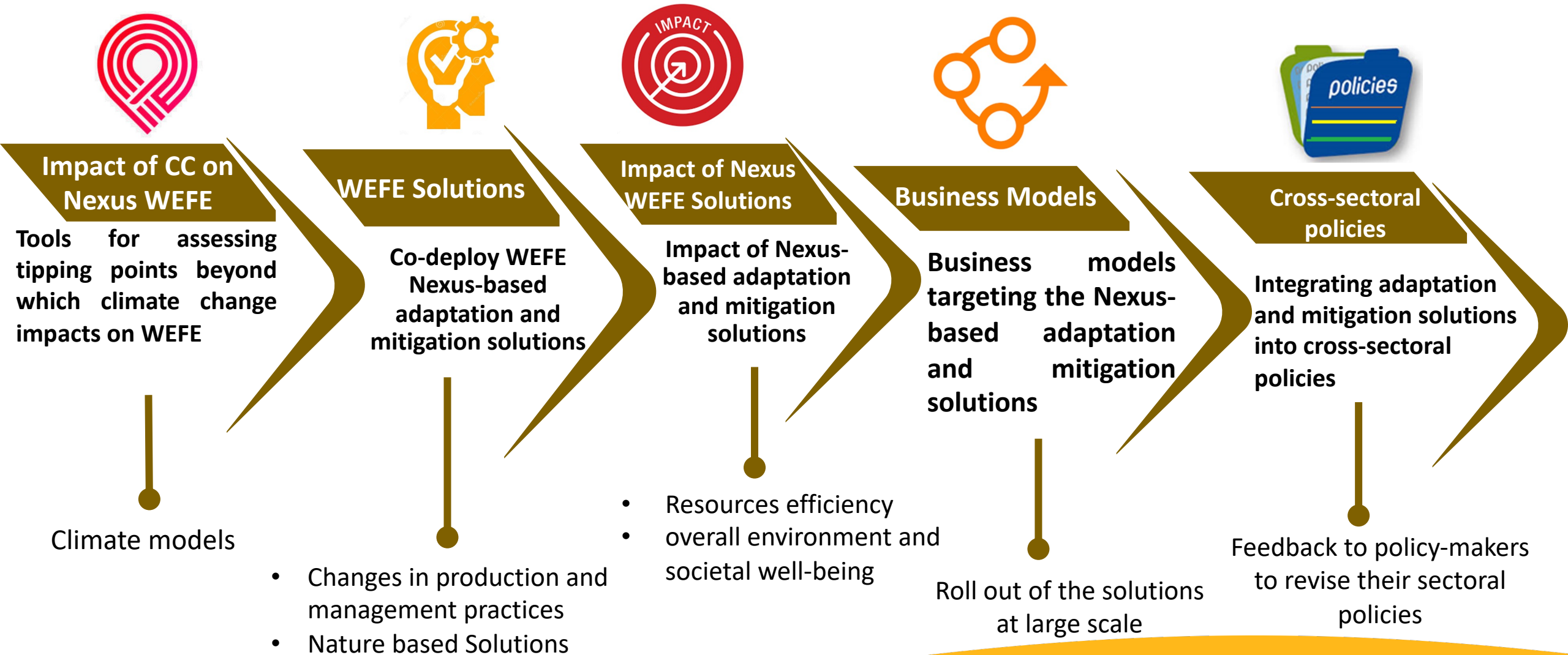
20.000€



2

SUBMISSION DEADLINE : 22/05/2023

WEFE Nexus Topic – Section 1





WEFE Nexus Prize

2 PRIZES

OF 10.000 € EACH



to excellent research teams having demonstrated the successful implementation of combined management practices of Water, Energy, Food and Ecosystem (WEFE) resources at local or regional scale in the Mediterranean area

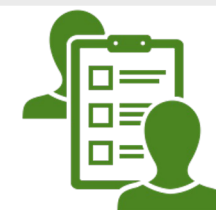
Links with the WEFE Community of practice.

SUBMISSION DEADLINE 22 MAY 2023 (17:00H CENTRAL EUROPEAN TIME (CET))


Highlights Calls 2023

Calendar

Section	Call publication and opening	Submission deadline Stage 1	Evaluation results Stage 1	Submission deadline Stage 2	Evaluation results Stage 2
1	25/01/2023	22/03/2023	16/06/2023	06/09/2023	20/11/2023
2	25/01/2023	29/03/2023	23/06/2023	13/09/2023	11/12/2023



Prize Calendar

Prize	Call publication and opening	Submission deadline	Evaluation results	Award
EU funds	25/01/2023	22/05/2023	15/06/2023	

Thank you

#PRIMAInfoDay



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



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