PRESS DOSSIER: PRIMA PROJECTS

A bridge to share knowledge within the Mediterranean
DEVELOPED STAGE PROGRAMS: 2018

WATER MANAGEMENT

WATERMED

Efficient use and management of conventional and non-conventional water resources through smart technologies (IoT).

WATERMED will design and develop an IoT-based platform based on a layered architecture that considers several types of services to ensure its replication and adaptability to different crops and locations. The expected impacts will be easily monitored all along the water cycle for agriculture, real-time controlled by the IoT and Services, helping to increase quantity and quality of water available for agriculture and to save water and nutrients.

Coordinating country: Spain

Participating countries: Algeria, Germany, Morocco & Turkey.

Implementation period: 01/06/2019 - 31/05/2022

Coordinator: University of Murcia UMU

Donor(s): Partnership for Research and Innovation in the Mediterranean Area – PRIMA

Autor(s): Burcu Yaciçl, Jesús Argente & Antonio Skarmeta.

https://www.watermed-project.eu/

WATERMED 4.0
MEDWATERICE

Towards a sustainable water use in Mediterranean rice-based agro-ecosystems.

MEDWATERICE aims to explore the sustainability of innovative rice irrigation methods and technologies in the Mediterranean basin, in order to reduce rice water, use and environmental impacts, and to extend rice cultivation outside of traditional paddy areas to meet the growing demand.

Outcomes produced by MEDWATERICE are expected to generate knowledge on how to improve sustainability of rice production in the countries of the Mediterranean area, with particular attention to the adoption of water-saving techniques.

Coordinating country: Italy

Participating countries: Portugal, Spain, Turkey, Egypt & Israel.

Implementation period: 01/04/2019 - 31/03/2022

Coordinator: University of Milan UMIL

Donor(s): PRIMA via MIUR / AEI / STDF / ISERD / CDTI / TUBITAK / FCT

Autor(s): Arianna Fachi & Olfa Gharsallah

https://www.medwaterice.org/
SUSTAIN-COAST

Sustainable coastal groundwater management and pollution reduction through innovative governance.

Sustain-COAST will explore new governance approaches to effectively support the coastal aquifer conservation against anthropogenic and climatic pressures, through the promotion of innovative water management concepts based on the 4R principles: Reduce; Recycle; Reuse and Recover.

Sustain-COAST intends to develop a calibrated multi-criteria decision supporting system (DSS) and a web Geographical Information System platform accessible for water stakeholders and policy makers.

Coordinating country: Greece

Participating countries: Germany, France, Italy, Tunisia & Turkey

Implementation period: 01/06/2019 - 31/05/2022

Coordinator: Technical University of Crete - UTCR

Donor(s): PRIMA via GSRT / BMBF / ANR / MIUR / TUBITAK / MESRS

Autor(s): Eric Mino

Sustaincoast Project @Sustaincoast.PRIMA
@CoastSustain Sustain-COAST PRIMA

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

PLANT-B

A sustainable mixed cropping-beekeeping system in the Mediterranean basin.

PLANT-B aspires to improve sustainability and agronomic return of Mediterranean citrus agroecosystem and beekeeping combining them in a mixed farming system. Such a farming system could also provide habitats for honeybees and other insect pollinators during the off-flowering crop season, increasing the sustainability and biodiversity of the system and subsequently its resistance against climatic changes.

Coordinating country: Greece

Participating countries: Algeria, Egypt, Spain, France & Italy.

Implementation period: 01/01/2019 - 31/12/2021

Donor(s): Partnership for Research and Innovation in the Mediterranean Area – PRIMA

Autor(s): Konstantinos Kasiotis

https://www.plant-b.net/ @plantb19
SUSTAINOLIVE

An approach to promote the sustainability of olive groves in the Mediterranean.

Olive grove cultivation is a key socio-economic asset and is the dominant landscape of many regions of the Mediterranean olive oil producing countries. The objective of SUSTAINOLIVE is to enhance the sustainability of the olive grove farming throughout the implementation and promotion of novel sustainable technological solutions that are based on agro-ecological concepts and on knowledge exchange and co-creation among key actors and end-users.

Coordinating country: Spain

Participating countries: Greece, Italy, Morocco, Portugal & Tunisia

Implementation period: 01/06/2019 - 31/05/2023

Coordinator: University of Jaén UJA

Donor(s): Partnership for Research and Innovation in the Mediterranean Area – PRIMA

Autor(s): Roberto García Ruiz

https://sustainolive.eu/ SUSTAINOLIVE prima
Sustainolive @sustainolive
SIMTAP

A Self-sufficient integrated multi-trophic aquaponic systems for improving food production sustainability and brackish water use and recycling.

The main goal of SIMTAP is to define, design, set up and test an innovative food production system that drastically reduce the required fish feed inputs (fishmeal, fish oil, soybean, etc.), the consumption of resources (water, energy), and the production of waste and pollution, decreasing the Life Cycle impact on the environment of this segment of the food industry.

Coordinating country: Italy

Participating countries: Germany, France, Malta & Turkey

Implementation period: 01/06/2019 - 31/05/2022

Coordinator: University of Pisa
UNIPI

Donor(s): PRIMA via MIUR / ANR / TUBITAK / MCST /BMBF

Autor(s): Alberto Pardossi & Carlo Bibbiani

https://www.simtap.eu/index.php
@ProjectSimptap
SIMPTAP Project
Simtap Project

The PRIMA programme is an Art. 185 initiative supported and founded under Horizon 2020, the European Union’s Framework Programme for Research and Innovation.
AGRO-FOOD VALUE CHAIN

MED4YOUTH

Mediterranean enriched diet for tackling youth obesity. Youth obesity is a strong predictor of adult obesity, which has well-known negative health and economic consequences.

MED4Youth main objective is to strengthen the link between the Mediterranean Diet and the health benefits against youth obesity and associated cardiovascular disease risk factors. It will contribute to valorize MD products, especially scarcely consumed foods items in European Mediterranean developed countries (sourdough bread, hummus and pomegranate), promoting their consumption in the overall population, especially in adolescents.

Coordinating country: Spain
Participating countries: Italy, Portugal, Israel & Jordan
Author(s): Aurora Sesé

Coordinator: EURECAT
Donor(s): Partnership for Research and Innovation in the Mediterranean Area – PRIMA

https://med4youth.eu/ @med4youth
CAMELMILK

Boost the production, transformation and consumption of camel milk in the Mediterranean basin.

The aim of the CAMELMILK project is to strengthen the competitiveness, growth and interaction of the actors of the camel milk value-chain in the Mediterranean basin, including producers, processors, distributors and consumers. The purpose is to make local productions sustainable and self-sufficient by taking advantage of Mediterranean values, knowledge and heritage.

**Coordinating country:** Spain

**Participating countries:** Algeria, Germany, Croatia, France, Italy, Morocco & Turkey

**Implementation period:** 01/06/2019 - 31/05/2023

**Coordinator:** Institute for Food and Agricultural Research and Technology - IRTA

**Donor(s):** Partnership for Research and Innovation in the Mediterranean Area – PRIMA

**Autor(s):** Marta Garron, Raquel Cortes & Guacimara Cabrera

[Links and social media handles]

https://camel-milk.org/about-us/partners/
Camel-Milk
@CamelMilkpro
@camel-milk.project
MEDITOMATO

Bringing innovation and durability throughout the value chain of the Mediterranean tomato industry.

The main goal of MEDITOMATO is to demonstrate innovative technology solutions in three demo-sites based on PRIMA countries (Spain, Italy and Turkey) covering the whole tomato value chain (from agricultural production to fresh product, processing and distribution). It will optimize fertigation parameters to maximize yield while respecting food quality and safety criteria, reduce waste generation, water usage and energy consumption to a minimum, which increases sustainability and also reduce economic losses linked to quality controls.

Coordinating country: Spain

Participating countries: Germany, Greece, Italy, Tunisia & Turkey.

Implementation period: 01/06/2019 - 31/05/2022

Coordinator: Ingeniería y Control Electrónico S.L. - INGCE

Donor(s): Partnership for Research and Innovation in the Mediterranean Area – PRIMA

Autor(s): George Sidiras

www.meditomato.eu@ProjectSimptab
MEDITOMATO @meditomato
DEVELOPED STAGE PROGRAMS: 2019

NEXUS (CROSS-SECTORAL GOVERNANCE OF INTERLINKED ELEMENTS)

AWESOME

Managing water, ecosystems and food across sectors and scales in the South Mediterranean.

The main objective of AWESOME (managing Water, Ecosystems and food across sectors and Scales in the south Mediterranean) is developing a decision-analytic platform based on a multi-level, integrated WEFE (Water Energy Food and Ecosystems) model to better understand multi-sectoral WEFE tradeoffs and to capitalize on potential synergies.

Coordinating country: Italy

Participating countries: Greece, Israel, Germany & Egypt.

Implementation period: 01/05/2020 - 31/10/2023

Coordinator: Politecnico di Milano POLIMI

Donor(s): Partnership for Research and Innovation in the Mediterranean Area – PRIMA

Autor(s): Marta Castellini & Ilenia Gaia Romani

https://awesome-prima.eu/
TW AWESOME_PRIMA
PHEMAC

Participatory hub for effective mapping, acceleration and capitalization and of EU-MPC NEXUS best practices.

PHEMAC aims to develop and disseminate an interactive platform to profile best practices of previous and ongoing projects and initiatives related to farming system, water and food in the Mediterranean region.

Coordinating country: Spain

Participating countries: France, Morocco, Italy, Tunisia, Egypt Lebanon & Jordan.

Coordinator: Universitat Autònoma de Barcelona - UAB

Donor(s): Partnership for Research and Innovation in the Mediterranean Area - PRIMA

https://www.phemac.eu/  @phemacproject  @PHEMAC2
SIGMA-NEXUS

Sustainable innovation and governance in the Mediterranean area for the WEF Nexus.

SIGMA-Nexus will analyze the socio-economic and technical characteristics of several case study sites in Egypt and Greece to develop the WEF (Water-Ecosystems-Food) nexus for different hydrological, agricultural and environmental settings in the Mediterranean region. The project aims to accelerate knowledge diffusion and support decision-making that can minimize conflicts and maximize synergies of cross-institutional and sectoral management of water and land resources through participatory multi-stakeholder engagement activities.

Coordinating country: Germany
Participating countries: Egypt & Greece
Implementation period: 01/03/2020 - 29/02/2024

Coordinator: Technical University of Munich - TUM
Donor(s): Partnership for Research and Innovation in the Mediterranean Area - PRIMA
Author(s): George Sidiras

http://www.sigma-nexus.eu/