

BIOMEnext



BIOMEnext - PRIMA

The project “Modelling integrated biodiversity-based next generation Mediterranean farming systems” is supported by the **PRIMA Program**.

THEMATIC AREA

Farming systems

ACTION AND TOPIC

RIA - Up-scaling field practices based on agroecological practices to increase ecosystem services and biodiversity, to adapt the small farming systems to climate change and to increase farmers incomes.



DURATION: 36 months (06/2022-06/2025)



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





OBJECTIVES

The BIOMEnext overall objective is to implement **innovative, composite and eco-friendly farming systems**, in order to enhance the resilience of Mediterranean olive growing to climate change, a major challenge for agriculture.

The project aims to design an olive grove which combines, in a holistic logic:

- the valorization of **traditional genotypes** showing the best resilience traits;
- the development of **new microorganism consortia**, able to increase biotic and environmental stress tolerance;
- the introduction of **new practices and remodel the traditional ones**, to reduce external inputs and negative discharges to the environment.

These models will be evaluated under a **circular bioeconomy** and a **LCA** approach for their environmental and socio-economic impact.



BIOMEnext ACTIVITIES

The project will implement several multilevel research strategies, exploiting, with a multi-actor approach, **the natural biodiversity at farm level, the breeding resources, the soil microbiota, and innovative agricultural good practices.**

All research activities are devoted to increase the **resilience of the olive grove** in the Mediterranean areas, enhancing its role in fighting the climate change, through limiting emissions and increasing CO₂ sequestration, in a circular bioeconomy perspective.



BIOMEnext will be addressed primarily at **small farms**, which will be directly involved in the activities of survey, development and application of new agronomic practices, providing information on the cultural practices, costs, incomes, to build models of current and future farming systems developed by BIOMEnext project.

***To find out more about BIOMEnext activities, publications and events, please visit our website at:
<https://biomenext.netsons.org>***

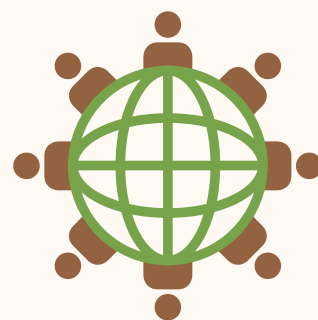
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PROJET COORDINATOR



University of Perugia - Dept. of Agricultural, Food and Environmental Sciences (UNIPG)



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National Institute of Agronomic Research of Tunisia (INRAT)



Mohammed VI Polytechnic University (UM6P)



Cadi Ayyad University (UCA)

CONTACT US

Project Coordinator: Primo Proietti



Telephone: +39 075 5856257

biomenext@gmail.com

<https://biomenext.netsons.org>