THE AIM

COMETA

The **aim** of the COMETA project is to develop and validate low-input, innovative non-food crop cultivation systems that are suitable for under-utilised, polluted and/or badly used marginal areas at risk of erosion/desertification, in order to obtain fractions (seeds, above- and below-ground biomass) that can be converted by advanced, low-impact, **green chemistry technologies** into **bio-based products** of interest to the agricultural and industrial sectors, with the idea of making a significant impact to the fragile, crisis-hit regions of southern Italy.

These crops will act as catalysts for the activation of virtuous agro-industrial businesses which, based on the specific challenges and opportunities offered by the local areas, can return significant **environmental**, **social** and **economic benefits**.

FOR FURTHER INFORMATION:

strategic.projects@novamont.com
www.novamont.com/cometa

COMETA

AUTOCTONE MEDITERRANEAN CROPS AND THEIR VALORISATION WITH ADVANCED GREEN CHEMISTRY TECHNOLOGIES

COMETA COMETA is a research and development project funded by Ministry of Education, Universities and Research (MIUR).

Length of the project: 30 months.

UNIONE EUROPEA
Fondi Sociali Europei

Ministero dell'Istruzione
dell'Università e della Ricerca

PON
Ricerca e Innovazione

THE PROJECT

BIOPRODUCTS

- 🦆 Animal feeding
- 🛍️ Biodegradable and compostable bioplastics
- 💧 Biolubricants
- 🔥 Biofuels for energy production
- 💋 Low-impact cosmetics
- 🌱 Biostimulants and high-quality compost for agriculture
- 🌿 Bioinsecticides
- 💗 Nutraceutical and healthcare extracts
- 🏠 Panels for construction buildings

THE WORK PACKAGES
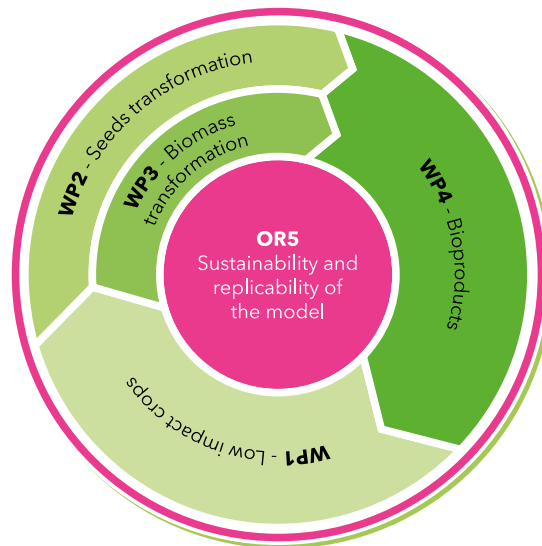
The **project** is based on 5 Work Packages:

WP1 - Research of innovative technologies and methods for the **development and the improvement of crops** compatible with the mediterranean climate and marginal areas.

WP2 - **Seed** transformation to obtain vegetable oils and the residual fraction.

WP3 - **Biomass** transformation (underground and aboveground biomass).

WP4 - **Bioproducts** sustainable for the environment and the society.

WP5 - Evaluation of the environmental and socio-economical sustainability, and of the replicability of the developed technologies and production chains.

WP2 - Seeds transformation
WP3 - Biomass transformation
WP4 - Bioproducts
WP1 - Low impact crops
OR5 Sustainability and replicability of the model

THE PARTNERS

6 project **partners** coordinated by Novamont and operating in Southern Italy:

- **Novamont** - Novara
- **Novamont** - Terni
- **CREA-CI** - Foggia
- **IAMB** Valenzano (BA)
- **CREA-IT** Monterotondo (RM)
- **ENEA** Trisaia (MT)
- **ENEA** - Casaccia (RM)
- **Novamont** Piana di Monte Verna (CE)
- **CREA-CI** - Caserta
- **CREA-CI** - Acireale
- **CREA-ZA** Bella (PZ)
- **Università di Sassari** Sassari (SS)
- **Bioagritest** Pignola (PZ)

NOVAMONT

ENEA

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UNIVERSITÀ DEGLI STUDI DI SASSARI

crea
Consiglio per la ricerca in agricoltura e l'analisi dell'economia agraria

CIHEAM
BARI

Bio agri test