

Sustainable utilization of MARine resources to foster GREEN plant production in Europe

MARIGREEN

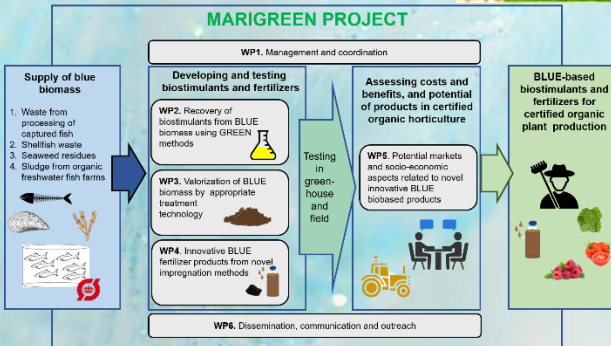


About the Project

The MARIGREEN project will valorize residual materials from the BLUE sector, of which many are currently poorly utilized, by treating them with appropriate technology and applying in agriculture (GREEN sector). Significant amounts of fertilizers applicable in organic growing are required to achieve 25% organic farmland in EU by 2030, as proposed in the F2F strategy. The project will study available residual materials from fish capture, brown algae industry, mussel industry and organic aquaculture.

Objectives

- Obtain a well defined profile of a selection of BLUE residual materials so that appropriately chosen processing may provide GREEN fertilizers/biotimulants able to enhance plant growth and resilience.
- Develop, by relevant treatment technologies (grinding, mixing, composting, pelletizing, extractin), wellbalanced fertilizers and efficient biotimulants for various purposes in horticulture.
- Develop, by relevant impregnation technologies, well balanced biochar-based fertilizers for various purposes in horticulture.
- Examine whether commercial organic fertilizers and biostimulants can become economically viable and present attractive market opportunities.



Human Capacity Building

- ❑ Two PhD students are educated as part of the project at NORSOK and UCPH
- ❑ PhD student exchange between USAMV and NORSØK for a period of 2 weeks
- ❑ PhD student/PostDoc researcher mobility from AUTH to USAMV for a period of 2 weeks for biostimulant characterization and utilization modes
- ❑ A researcher from UBP will have a 10-day stay at DTU Aqua to teach impregnating techniques
- ❑ PhD student/PostDoc researcher from AUTH will also participate and staff from NORSØK will join for 2-3 days
- ❑ A technician from Alumichem A/S will have a 14-day stay at DTU Aqua to learn methods for water quality analysis



Dissemination and communication

Designed to provide information on the quality and relevance of the project results to key stakeholders, scientific community and general public. Dissemination and Communication will include a wide range of activities, including participation in different events (e.g. conferences, congresses, symposia, summer school, workshops, webinars, round tables, trade fairs), publication of related papers, training and mobility, communication on project website and social media platforms.

Contact:

marigreen.project@gmail.com



www.marigreen-project.eu

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