Bio4MAR – Research Project Fact Sheet

Title of Project	**Development of a waste biomass conversion system that incorporates liquefaction and pyrolysis technologies for producing biochemicals for the maritime sector - ongoing**
Project Acronym	BIO4MAR
Funding Program	CO-DEVELOP
Project Identifier	CODEVELOP-AG-SH-HE/0823
Total Budget/KTU Budget	599980 € / 75700 €
Starting – Ending Date	04/2024 – 07/2026
Consortium	1. Ecorbio Ltd CY 2. Cyprus University Of Technology CY 3. Frederick Research Center CY 4. Cy.R.I.C Cyprus Research And Innovation Center Ltd CY
Project Objectives	**BIO4MAR** is an industry–research driven R&D project designed to foster effective collaboration between enterprises and research organisations through the co-development and implementation of innovative, bio-based solutions for maritime polymer applications. The project brings together a highly competent and complementary consortium consisting of two SMEs (Ecorbio and CyRIC), two local academic organisations (Cyprus University of Technology and Frederick Research Center), and two foreign research organisations (WKI and CELL). This balanced mix of scientific excellence, technical expertise, and industrial know-how provides a strong foundation for high-quality knowledge exchange and successful project implementation, supported by prior collaboration experience and Knowledge Transfer Office mechanisms. BIO4MAR contributes to strengthening regional economic competitiveness and improving quality of life in Cyprus by enabling a transition away from imported, less sustainable chemicals towards circular, bio-based alternatives. The project benefits from strong stakeholder support, including access to Cyprus' shipping and maritime sectors through the Cyprus Employers Association. Leveraging shared infrastructures—such as accredited laboratories, prototyping facilities, and lifecycle assessment tools—BIO4MAR ensures effective dissemination, exploitation, and long-term impact.
Work Packages	WP1 – Project management WP2 – Dissemination and exploitation activities WP3 – Defining the requirements and designing the system WP4 – Integration, testing and performance assessment WP5 – Environmental impact assessment and life cycle analyses WP6 – Demonstration of the production system and the produced BP and PBO
External Reference	
Role in the Project	Principal Investigator