

WHAT WE DO

MARBLE is transnational project that aims to raise competences and skills in maritime robotics application in the domain of blue economy by supporting the preparation of an innovative joint master programme “MARBLE – Maritime Robotics in Blue Economy” and implementation of joint training organized by a network of universities, research organizations, business clusters, and a digital innovation hub. The main challenges tackled in this project are the need for intersectoral and technological skills in Blue Economy education and the lack of an international interdisciplinary sustainable-minded Master programme dedicated to Maritime Robotics in Blue Economy. To tackle these challenges, the following objectives of the MARBLE project have been defined:

- to establish a network of academic and business partners working together on maritime robotics skills enhancement and capacity building in blue economy;
- to contribute to fostering of knowledge and skills on sustainable blue economy in the Adriatic-Ionian Area and enhancing the importance of education and of innovative approaches based on new technologies;
- to prepare and deliver the documentation required for a joint Master’s programme on maritime robotics in blue economy, e.g. the necessary accreditation documents, including curriculum, administrative processes and the university path and mobility scheme.



Interreg 
ADRION **ADRIATIC-IONIAN**
European Regional Development Fund - Instrument for Pre-Accession II Fund

MARBLE



Joint Master on Maritime Robotics in Blue Economy



1.1
MILLION
EUROS
PROJECT
BUDGET

8
PROJECT
PARTNERS

5
COUNTRIES

ERDF&IPA II
funding

Support the development
of a regional innovation
system for the Adriatic-Ionian area

WHO WE ARE

Our consortium includes Universities with strong expertise in both Maritime Robotics and Blue Economy, an oceanographic research institution with experience in creating a master in Blue Growth, a Digital Innovation Hub (DIH) focused in aquaculture (relevant Blue Economy sector) and a maritime technologies cluster with over 70 members.

Croatia

- University of Zagreb Faculty of Electrical Engineering and Computing (UNIZG-FER)
- Digital innovation hub (DIH) Agrifood Croatia (AFC)

Italy

- University of Trieste (UNITS)
- Maritime Technology Cluster FVG S.c.a.rl. (mareFVG)
- National Institute of Oceanography and Applied Geophysics (OGS)

Greece

- National Technical University of Athens (NTUA)

Bosnia and Herzegovina

- University of Sarajevo, Faculty of Electrical Engineering (UNISA)

Montenegro

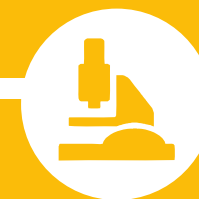
- University of Montenegro (UoM)

ROLES WITHIN A PARTNERSHIP

The consortium is led by the UNIZG-FER, the strongest maritime robotics laboratory in the Adriatic-Ionian and includes the University of Trieste that currently has in place a Master in Sustainable Blue Growth with OGS. NTUA in Greece has a very strong robotics and control laboratory. From IPA countries, the relevant experience of University of Montenegro in acoustic networks will be leveraged as well as the University of Sarajevo's expertise in control systems. OGS will bring to the consortium the experience in the Master abovementioned and in blue economy topics. AFC and mareFVG will allow us to reach out to a wide pool of internship providers (their members and others) and will make sure the project-based learning is relevant to industry needs.

MARBLE ACTIVITIES

- Organization of networking events and study visits to partner sites and companies. These events will also include educational methodology seminars and best practice knowledge transfer on topics related to the development of the joint master.
- Organisation and implementation of MARBLE training course (in May, University Trieste) and hackathon to provide a brief overview and promote the future Master on maritime robotics in blue economy.
- Development of a strategy and action plan for the implementation of a joint master programme MARBLE.
- Establishing curriculum and administrative processes of the MARBLE joint master's programme.
- Definition of the university path and mobility scheme, in collaboration with business partners and research institutions that are part of the MARBLE network.
- Preparation and submission of all necessary documents to initiate the accreditation process with the partners' national agencies.



DISCOVER MORE ABOUT MARBLE

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BASIC PROJECT INFO

PROGRAMME CALL: INTERREG V-B Adriatic-Ionian ADRION Programme 2014-2020, Extraordinary Fifth call for proposals - Priority Axes 1 and 2

Project Title: Joint Master on Maritime Robotics in Blue Economy

Project Acronym: MARBLE

Programme Priority Axis: 1 - Innovative and smart region

Start – End Date: 02.01.2023 – 30.09.2023

Total Budget: EUR 1.099.420,00

ERDF and IPA II funding: EUR 934.507,00

Lead Partner Organization: University of Zagreb Faculty of Electrical Engineering and Computing

Project Partners:



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