



Maritime Alliance for fostering the
European Blue Economy through a
Marine Technology Skilling Strategy

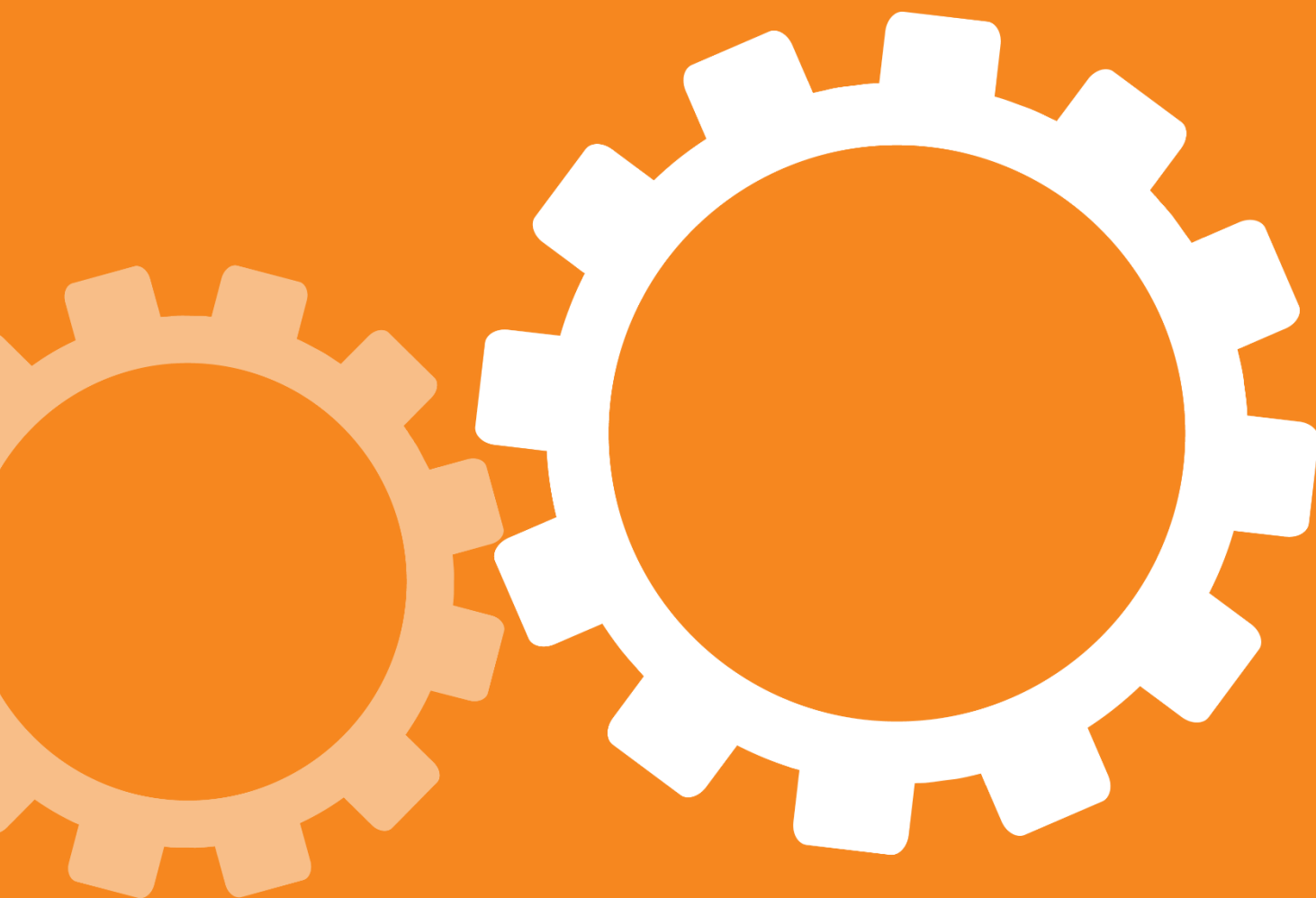


Co-funded by the
Erasmus+
Programme of the
European Union

Ocean Pro.Tec Lab

Learning Outcomes

May 2022



www.projectmates.eu

Course Title	Ocean Pro.Tec Lab
Course Type	Dual: 1. Project-based contest. 2. Knowledge exchange experience between VET and secondary school students and maritime workers.
Entry Level	No prior learning required
Level and Relevant Framework	EQF levels 3-4
Delivery Method	Distance 30% Practical 30% Teamwork 20% Field Trip 20%

Unit 1		Sea reporters activity
Entry Level	No entry level but suitable for students at VET centres and secondary school pupils.	
Optional Supplementary Information	Challenge to bring young students closer to the Azorean sea cluster through the discovery of maritime professions: past, present and future. 1. Take photos of sea-related jobs, characterizing them through actions, equipment or instruments. 2. Undertake video or audio interviews to professionals according to a script available in an online platform. 3. All teams share their work in an online session.	
Learning Outcome 1	Knowledge of Maritime heritage	
Knowledge + Skills	1. Know and understand the broad range of maritime professions current and available in the Azores. 2. Articulate the positive relationship between the ocean and society in the Azores islands.	
Evidence requirements	Group presentation of information acquired from interviews, presented in various formats as publicly displayed posters.	
Assessment method <i>Accreditation: EUROPASS Skills Portfolio</i>	Public response to posters.	
Learning Outcome 2	Communication/transversal skills	
Knowledge + Skills	1. Work in teams, assign roles to team members. 2. Interview relevant maritime workers. 3. Analyse critically interview transcripts. 4. Transmit results to peer groups. 5. Prepare poster with infographics to display information to general public.	
Evidence requirements	Sea Report in poster format done by island teams shown to public at the Azores Regional Assembly	
Assessment method	Public interest in Public Sea Reports.	

Accreditation: EUROPASS
Skills Portfolio

Unit 2 <u>Ocean Pro.Tec Lab Live Experience</u>	
Entry Level	No entry level but suitable for students at VET centres and secondary school pupils.
Optional Supplementary Information	1 st diving experience under supervision Knowledge exchange between students and maritime workers of the Sea Cluster. Participants MUST have good swimming skills. Technical workshops for participants covering topics suitable for maritime careers (aquaculture, communication simulators, navigation simulators, seamanship and mooring techniques).
Learning Outcome 1	1st diving live experience
Knowledge + Skills	<ol style="list-style-type: none"> 1. Receive instructions about diving techniques. 2. Handle essential diving equipment (aqualung). 3. Know and understand safety rules for diving. 4. Practise preliminary breathing exercises. 5. Undertake 1st dive under supervision and with at least one diving buddy.
Evidence requirements	Practical outcome: demonstrated ability to dive by undertaking dive.
Assessment method <i>Accreditation: EUROPASS CV</i>	Individual assessment by diving instructor.
Learning Outcome 2	On-board Communication with professionals in work (sea) context.
Knowledge + Skills	Listen and Learn about maritime careers and what skills are needed to succeed. Discuss with professionals future employment challenges.
Evidence requirements	Student interventions (questions and answers) to the maritime professionals.
Assessment method	Oral evaluation of the quality of the student interventions by the maritime professionals.
Learning Outcome 3	Technical Workshops (choices)
Knowledge + Skills	Technical capacity building (examples only). <ol style="list-style-type: none"> 1. Know how to launch rescue equipment. 2. Know how to communicate onboard using VHF. 3. Know how to use cables for mooring vessels. 4. Experience virtually being at helm of ship.
Evidence requirements	Written evaluation questionnaire after the event.
Assessment method <i>Accreditation: EUROPASS Skills Portfolio</i>	Informal evaluation by workshop instructors.
Learning Outcome 4	Pier(land) Communication with invited professionals in educational context
Knowledge + Skills	<ol style="list-style-type: none"> 1. Listen and Learn about maritime careers and what skills are needed to succeed. 2. Discuss with professionals future employment challenges.

Evidence requirements	Student interventions (questions and answers) to the maritime professionals.
Assessment method <i>Accreditation: No suitable accreditation</i>	Oral evaluation of the quality of the student interventions by the maritime professionals.

Contact

Renato Pires, FRCT (Regional Fund for Science and Technology)

Renato.HM.Pires@azores.gov.pt

"The European Commission support for the production of this publication does not constitute an endorsement of the contents which reflects the views only of the authors, and the Commission cannot be held responsible for any use which may be made of the information contained therein."