



# Development of Regional Joint Master Program in Maritime Environmental Protection and Management - MEP&M

## Trilateral Meeting (UoM, UV, UAMD)

@University of Montenegro  
Kotor, Montenegro, 10-11/02/2022

Project no. 619239-EPP-1-2020-1-ME-EPPKA2-CBHE-JP





## Thursday, February 10<sup>th</sup> 2022 – Moderator: Danilo Nikolic

09:00 – 09:30	Registration of participants
09:30 – 09:45	Official opening
09:45 – 11:00	<b>WP3 DEV 3.1: Procurement of equipment and e-books for supporting distance learning in MSc MEP&amp;M</b> <ul style="list-style-type: none"> <li>• UoM presentation</li> <li>• UV presentation</li> <li>• UAMD presentation</li> <li>• Discussion</li> </ul>
11:00 – 11:30	COFFEE BREAK
11:30 – 13:00	<b>WP3 DEV 3.1: Procurement of equipment and e-books for supporting distance learning in MSc MEP&amp;M</b> <ul style="list-style-type: none"> <li>• Presentation of equipment needed for project activities</li> <li>• Discussion</li> </ul>
13:00 – 14:30	LUNCH BREAK
14:30 – 15:30	Visit of laboratories @ Faculty of maritime studies Kotor
15:30 – 15:45	COFFEE BREAK
15:45 – 17:00	Visit of laboratories @ Institute for marine biology
17:00	Closure of the day

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## Friday, February 11<sup>th</sup> 2022 – Moderator: Danilo Nikolic

09:00 – 09:30	Registration of participants
09:30 – 09:45	Official opening
09:45 – 11:00	WP1 DEV 1.3: Reporting on actions and model for introduction of new joint interdisciplinary MSc program in MEP&M in English language UoM presentation Discussion
11:00 – 11:30	COFFEE BREAK
11:30 – 13:00	WP1 DEV 1.3: Reporting on actions and model for introduction of new joint interdisciplinary MSc program in MEP&M in English language UV presentation Discussion
13:00 – 14:30	LUNCH BREAK
14:30 – 15:30	WP1 DEV 1.3: Reporting on actions and model for introduction of new joint interdisciplinary MSc program in MEP&M in English language UAMD presentation Discussion
15:30 – 15:45	COFFEE BREAK
15:45 – 17:00	Conclusions for 2 day meeting
17:00	Closure of the meeting

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<b>Expected Deliverable/Results/Outcomes</b>	<b>Work Package and Outcome ref.nr</b>	<b>3.1.</b>	
	<b>Title</b>	Procurement of equipment and e-books	
	<b>Type</b>	<input checked="" type="checkbox"/> Teaching material <input type="checkbox"/> Learning material <input type="checkbox"/> Training material	<input type="checkbox"/> Event <input checked="" type="checkbox"/> Report <input checked="" type="checkbox"/> Service/Product
	<b>Description</b>	<p>This task consists of two subtasks. In order to support online/blended (distance) learning concept of new joint master program at Montenegrin and Albanian HEIs, the new state of the art equipment will first be specified according to the specific needs of the target environments (partner countries HEIs) and the program itself. The specification will consist of software (lecture capture, multimedia repository and delivery, Learning Management Platform), hardware and multimedia equipment (cameras, microphones, etc). The second subtask will consist of procurement, installation, testing and validation of specified equipment.</p> <p>Also, adequate e-books in topics of MEP&amp;M will be purchased to support online learning process.</p> <p>A report on tendering procedures will be issued. Report shall be disseminated and incorporated into the interim and final report.</p>	
	<b>Due date</b>	15-03-2022	
	<b>Languages</b>	English, Montenegrin and Albanian	

Partner N°	Name of Partner (to encode in overview sheet)	Country (to encode in overview sheet)	Nature, type and specifications of the item	Amount Excluding VAT (EUR)	Total (EUR)
P1	University of Montenegro	Montenegro	E-learning platform (servers, storage, software, lecture room, working stations, multimedia equipment, conference room) and e-Books	105,000.00	105,000.00
P2	Aleksander Moisiu University of Durres	Albania	E-learning platform (servers, storage, software, lecture room, working stations, multimedia equipment) and e-Books	70,000.00	70,000.00
P3	University Ismail Qemali	Albania	E-learning platform (servers, storage, software, lecture room, working stations, multimedia equipment), e-Books and equipment for water quality monitoring	70,000.00	70,000.00

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# Day #1 – UoM Equipment



No.	Name	Description	Quantity	Unit price (excl. VAT)	Total (excl. VAT)
<b>1</b>	<b>DL and Computer equipment</b>				
	DL mobile		1	50,000.00 €	50,000.00 €
	DL classroom		1		0.00 €
	Computers		1		0.00 €
					50,000.00 €
<b>2</b>	<b>Underwater equipment</b>				
	BlueROV		1	15,000.00 €	15,000.00 €
	HORIBA U-50 G		1	9,000.00 €	9,000.00 €
	Hydrophone		3	1,000.00 €	3,000.00 €
					27,000.00 €
<b>3</b>	<b>Drone</b>				
	Air drone		1	3,000.00 €	3,000.00 €
					3,000.00 €
<b>4</b>	<b>Kunak upgrade</b>				
	Gas sensors 4x4		4	4,000.00 €	16,000.00 €
	Solar pack		2	800.00 €	1,600.00 €
	Analytics		4	200.00 €	800.00 €
	Calibration		4	1,000.00 €	4,000.00 €
	Consumables		1	2,000.00 €	2,000.00 €
					24,400.00 €
<b>Total</b>					<b>104,400.00 €</b>

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<b>Expected Deliverable/Results/Outcomes</b>	<b>Work Package and Outcome ref.nr</b>	<b>2.1.</b>	
	<b>Title</b>	Development of master program curricula	
	<b>Type</b>	<input type="checkbox"/> Teaching material <input type="checkbox"/> Learning material <input type="checkbox"/> Training material	<input checked="" type="checkbox"/> Event <input checked="" type="checkbox"/> Report <input type="checkbox"/> Service/Product
	<b>Description</b>	<p>The outcomes of the DEV 1.3 will be used as guidelines for developing MSc in MEP&amp;M curricula with course catalogues. Course catalogues will cover: aim of the module; expected learning outcomes in terms of knowledge, skills, competencies; proposed training methods; duration; ECTS assigned; methods and criteria for learner's assessment; resources; suggested lecturers; etc.</p> <p>In the process of preparing curricula and course catalogues EU partners and non-academic partners will assist in terms of reviewing their synchronisation with Bologna Declaration, Lisbon Strategy, national and EU laws and strategies in the field of MEP&amp;M listed in D1.</p> <p>This activity will be summarized at the 2-day event that will be organized by P1. At least three team members from HEIs and two team members from non-academic partner institution will participate. A report with course catalogues will be delivered.</p>	
<b>Due date</b>	15-06-2022		

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#	Se m.	Course title	# of hours	ECTS	O/E	Short description
1	I	Scientific Research Methodologies and Tools	2+2+0	7	O	
2	I	Advanced statistics / Data analysis and statistical methods.	2+2+0	8	O	
3	I	Professional Development	2+2+0	7	O	
4	I	Blue growth	2+2+0	8	O	
5	II	Environmental and Climate change policies and legislative framework	2+1+1	8	O	
6	II	Marine ecosystems	2+1+1	8	O	
7	II	Maritime safety and security	2+2+0	7	O	
8	II	Marine Environmental Pollution and Prevention	2+1+1	7	O	
9	III	Environmental Management and Sustainable Development	2+2+0	7	O	
10	III	Climate Change Mitigation	2+2+0	7	O	
11	III	Integrated Coastal Management	2+1+1	8	O	
12	III	Elective courses or project work	2+1+1	8	E	
13	IV	<b>Master degree thesis</b>		30		

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#	Se m.	Course title	# of hours	ECTS	O/E	Short description
1	I	Research skills, methods and tools	2+2+0	10	O	This module aims to equip students with the practical skills and contextual framework for conducting high-quality research. Emphasis is placed on workshop opportunities to acquire and practise research planning, analysis, communication, writing and oral presentation skills. Also, data analysis and statistical tools will be presented.
2	I	Fundamentals of (Earth's) environmental science, pollution and sustainable development	2+2+0	10	O	This course is designed to provide students with a sound foundation in basic principles and unifying concepts of Environmental Science Topic selection is based on major themes of modern environmental sciences: humans and sustainability; science and ecological principles; sustaining biodiversity and natural resources; and sustaining environmental quality and human societies. Students will gain an awareness of the importance of Earth's systems (Atmosphere, Hydrosphere, Lithosphere, Biosphere) in sustaining our daily lives, plus the scientific foundation and tools needed to apply critical thought to contemporary environmental issues. UN Sustainable Development Goals.
3	I	Blue economy / Blue growth	2+2+0	10	O	The aim of this course is to describe the ownership over the marine and maritime resources, and the main governance systems that regulate these ownerships. The course will survey the basic elements of marine industrial activities such as fisheries, aquaculture, shipping, off-shore and tourism, and how these activities are managed and regulated in various regions of the world.
4	II	Marine ecology and conservation	2+1+1	10	O	This module introduces the basic elements of marine ecology on ecosystems and biodiversity, addresses the main threats posed by humans, and the main conservation measures with a particular focus on MPAs, Legal principles governing problems of marine environment at national and EU level..
5	II	Marine environmental pollution and prevention	2+1+1	10	O	The course will address the various topics such as: Sources of marine pollution (Blue economy industry, Agriculture, Maritime transport, Energy, Offshore drilling, Mining etc); Degradation of coastal area; Air pollution; Marine pollution such as Eutrophication, Bacterial contamination, Algal blooms; Aquaculture; Fishery; Wastewater; Ballast water; Pollution by oil; Litter and plastic waste, Legal principles governing problems of marine environment at national and EU levels.
6	II	GHG emission and climate change mitigation policies	2+1+1	10	O	Basic modules: 1. Climate Change Science, 2. International Legal and Policy Framework for Climate Change, 3. Climate Change Adaptation, 4. Climate Change Mitigation, 5. Climate Change Finance 6. Planning for Climate Change

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#	Se m.	Course title	# of hours	ECTS	O/E	Short description
7	III	Environmental management standards and Impact Assessment	2+2+0	10	O	The course aims to introduce the Environmental management standards ISO 14000 series and concepts, procedures and methodology of Environmental Impact Assessment (EIA), to develop a critical awareness of factors which affect the use of EIA as part of project management in the legislative and regulatory context of recently- industrialized or less - industrialized countries, and to expose the students to the need for environmental impact assessments and how to prepare the various documents required by state regulations.
8	III	Elective course #1	2+1+1	10	E	To be selected by student
9	III	Elective course #2	2+1+1	10	E	To be selected by student
		Sustainable Development of Maritime transport				
		Green ports/marinas development				
		Sustainable Development of Coastal tourism				
		Management of offshore energy and mineral resources				
		Ocean renewable energy				
		Fisheries management				
		Integrated Coastal Management				
		Management of protected marine areas and species				
		Maritime safety and security				
		Entrepreneurship & Blue Innovation				
13	IV	Master degree thesis		30		

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**THANK YOU FOR YOUR ATTENTION!**

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