

Minutes

WP 3 CAPACITY BUILDING THROUGH STAFF TRAINING AND EQUIPMENT PURCHASE. THE AIM OF WP2 IS TO ENHANCE CAPACITIES RELATED TO FIELD OF MEP&M AND E-LEARNING.

DEV 3.4.1: KNOW-HOW TRANSFER RELATED TO THE LATEST TOPICS ON MARINE AND COASTAL POLLUTION AND EMISSION OF GHG FROM SHIPPING, NAUTICAL TOURISM, COASTAL TOURISM AND OFF-SHORE ACTIVITIES



**Development of Regional Joint Master Program in Maritime Environmental
Protection and Management – MEP&M**

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

Online Training

**DEV 3.4.1: Know-how transfer related to the latest topics on marine and coastal
pollution and emission of GHG from shipping, nautical tourism, coastal tourism and
off-shore activities**

15 July 2021

Organized by: University Cote d’Azur (UCA-F)

List of Participants

Thursday, 15th July, 2021

1. Christophe Mocquet, University Côte d’Azur
2. Juliette Gilloteaux, University Côte d’Azur
3. Aleksandar Joksimovic, University of Montenegro
4. Alketa Huso, University of Vlore
5. Ana Pesic, University of Montenegro
6. Aurela Cara, University of Durres
7. Aurora Bakaj, University of Vlore
8. Brunilda Coti, General Maritime Directorate
9. Danilo Nikolic, University of Montenegro
10. Elmira Kushta, University of Vlore
11. Jonida Salihilla, University of Vlore
12. Kristofor Lapa, University of Vlore
13. Maja Skuric, University of Montenegro
14. Markela Kurti, General Maritime Directorate
15. Osman Metalla, University of Durres
16. Stela Sefa, University of Durres
17. Tomor Harizi, General Maritime Directorate



**Development of Regional Joint Master Program in Maritime Environmental
Protection and Management – MEP&M**

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

Online Training

**DEV 3.4.1: Know-how transfer related to the latest topics on marine and coastal
pollution and emission of GHG from shipping, nautical tourism, coastal tourism and
off-shore activities**

15 July 2021

Organized by: University Cote d’Azur (UCA-F)

Link for the meeting:

<https://univ-cotedazur.zoom.us/j/85867739079?pwd=L3A1Y1lyTOVSRDJMak1NTTJ1dmtVdz09>

Agenda

Thursday, 15th July 2021. University Cote d’Azur (UCA-F)	
9:45– 10:00	Entry and welcome
10:00 – 10:55	Christophe Mocquet, PhD Topic: Sustainable development, from Hippies to Ecosystem services (Part 1)
10:55 – 11:00	Break
11:00 – 11:50	Christophe Mocquet, PhD Topic: Sustainable development, from Hippies to Ecosystem services (Part 2)
11:50 –12:00	Discussion and questions
12:00 -- 13:00	Lunch break
13:00 – 13:55	Christophe Mocquet, PhD Topic: The Blue Growth, a Mediterranean focus (Part 1)
13:55 – 14:00	Break



14:00 – 14:50	Christophe Mocquet, PhD Topic: The Blue Growth, a Mediterranean focus (Part 2)
14:50 – 15:00	Discussion and questions
15:00 – 15:55	Juliette Gilloteaux, MSc Topic: Impacts of oil and gas activities on the marine environment (Part 1)
15:55 – 16:00	Break
16:00-16:50	Juliette Gilloteaux, MSc Topic: Impacts of oil and gas activities on the marine environment (Part 2)
16:50- 17:00	Discussion and questions

Summary of the training

Topic 1: Sustainable development, from Hippies to Ecosystem services

Recording link:

<https://drive.google.com/file/d/1Ok6LwTxOETtAQwwMmlVkg6QjAUXVCB9c/view?usp=sharing>

Presentation link:

<https://drive.google.com/file/d/1m974HL5TtzXr2VEzr4tg8ZWNAbZYsdXr/view?usp=sharing>

Trainer: Christophe Mocquet

Summary and objective:

The main objective of this task was to provide teaching staff from Montenegro and Albania with additional knowledge with research on the impact of marine and coastal pollution from oil and gas activities on the marine environment. The training was entitled “**Sustainable Development: from Hippies to Ecosystem services**” and was developed by Christophe Mocquet from Université Côte d’Azur (France). The activity was attended by a total of 17 participants from the partner universities and institutions/organizations.

Contents taught:

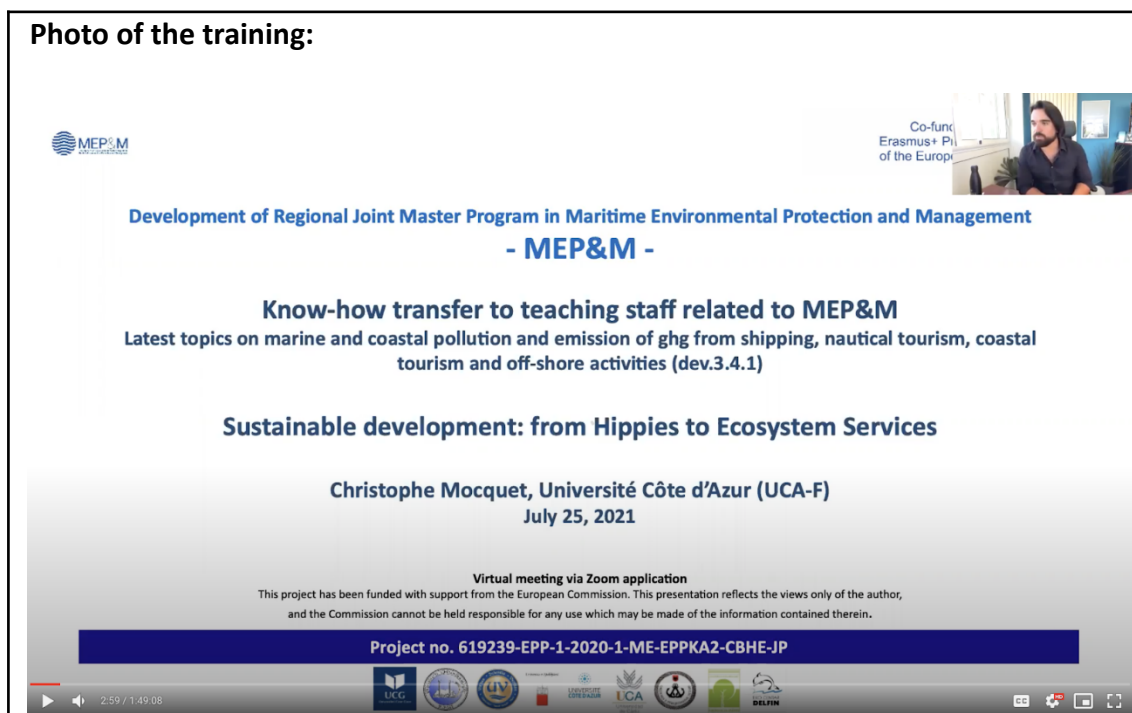
Dr. Christophe Mocquet gave a presentation on the sustainable development concepts, tools and application for blue growth. After an historical review of sustainable development points of views, focus was provided on the Sustainable Development Goals (SDGs) of the United Nations (UN) and applied instruments such as green finance, blue carbon, and ecosystem services.

The content addressed in the training was related to the sustainable development concepts, tools and application for blue growth. After an historical review of sustainable development points of views, focus were provided on the Sustainable Development Goals (SDGs) of United Nations (UN) and applied instruments such as green finance, blue carbon and ecosystem services.

Discussion and questions:

Dr. Christophe Mocquet answered the questions of the audience. The questions focused mainly on carbon market instruments in Europe, particularly those currently being implemented by Montenegro as part of a process of accession to the European Union. The aspects of carbon offset and carbon efficiency were addressed, particularly in the context of industries that are still largely net emitters of CO₂, such as maritime transport. On the other hand, there was a discussion on the concept of ecosystem services and their implementation in conservation and sustainable development methods, particularly in relation to studies underway in Montenegro.

Photo of the training:



The image shows a screenshot of a Zoom meeting slide. In the top right corner, there is a small video thumbnail of a man speaking, with the text "Co-funded by the Erasmus+ Programme of the European Union" overlaid. The slide content includes the MEP&M logo, the program title "Development of Regional Joint Master Program in Maritime Environmental Protection and Management - MEP&M -", the topic "Know-how transfer to teaching staff related to MEP&M" with sub-topics "Latest topics on marine and coastal pollution and emission of ghg from shipping, nautical tourism, coastal tourism and off-shore activities (dev.3.4.1)", and the main title "Sustainable development: from Hippies to Ecosystem Services". The speaker is identified as "Christophe Mocquet, Université Côte d'Azur (UCA-F)" on "July 25, 2021". A disclaimer states "Virtual meeting via Zoom application" and "This project has been funded with support from the European Commission. This presentation reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein." The project number "Project no. 619239-EPP-1-2020-1-ME-EPPKA2-CBHE-JP" is displayed in a blue bar. The bottom of the slide features a row of logos for various partners and a Zoom control bar with a play button and a timer showing "2:59 / 1:49:08".



Topic 2: The Blue Growth, a Mediterranean focus

Recording link:

https://drive.google.com/file/d/1cQtZ_fXeDqGWYIP5olJ9ukXI7nPCOg4Z/view?usp=sharing

Presentation link:

<https://drive.google.com/file/d/1EI02-V8jljPI-V2Sj7YTK7a7Frp1NX9Z/view?usp=sharing>

Trainer: Christophe Mocquet

Summary and objective:

The main objective of this task was to provide teaching staff from Montenegro and Albania with additional knowledge with research on the impact of marine and coastal pollution from oil and gas activities on the marine environment. The training was entitled “**The Blue Growth: a Mediterranean focus**” and was developed by Christophe Mocquet from Université Côte d’Azur (France). The activity was attended by a total of 17 participants from the partner universities and institutions/organizations.

Contents taught:

The content addressed in the training was related to the general context of blue growth, through its scientific, environmental, and socio-economic aspects. After a first part linking the good health of our coasts and oceans for a sustainable development of our societies, the definition of this multifaceted concept and the different sectors of blue growth were discussed (fisheries & aquaculture, maritime transport, blue energy, bioprospecting, deep sea mining).

Discussion and questions:

Dr. Christophe Mocquet answered the question of the audience. The discussion that followed focused first on blue energy, particularly based on microalgae, and the challenges linked to this industry. In particular, the fact that the horizon for broad implementation of this technique has been pushed back several decades due to



various reasons, including the variation in the price of crude oil and investment decisions that have instead focused on other opportunities, such as the production of molecules of interest, such as bioactive molecules in pharmaceuticals and cosmetics. Other issues included microplastics, including measurement techniques, both in the sea and in accumulating animals. Finally, the idea of exploiting minerals from the seabed created a discussion around the technical and environmental challenges, raising the question of whether this future industry should be recognised as "blue".

Photo of the training:

The image shows a screenshot of a Zoom meeting slide. In the top right corner, there is a small video thumbnail of a man with a beard and a blue background, with text next to it: "Co-funded Erasmus+ Programme of the European Union". The slide content includes the MEP&M logo on the left, followed by the text: "Development of Regional Joint Master Program in Maritime Environmental Protection and Management - MEP&M -". Below this is the title "Know-how transfer to teaching staff related to MEP&M" and a subtitle "Latest topics on marine and coastal pollution and emission of ghg from shipping, nautical tourism, coastal tourism and off-shore activities (dev.3.4.1)". The main topic is "The Blue Growth, a Mediterranean focus" by "Christophe Mocquet, Université Côte d'Azur (UCA-F)" on "July 25, 2021". At the bottom, it says "Virtual meeting via Zoom application" and a disclaimer: "This project has been funded with support from the European Commission. This presentation reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein." A blue bar at the very bottom contains the project number: "Project no. 619239-EPP-1-2020-1-ME-EPPKA2-CBHE-JP".

Topic 3: Impacts of oil and gas activities on the marine environment

Recording link:

Presentation link:

<https://drive.google.com/file/d/1yDV1Kn-7hU7U9K2vKwbOGMw5WHICP1iz/view?usp=sharing>

Trainer: Juliette Gilloteaux

Summary and objective:

The main objective of this task was to provide teaching staff from Montenegro and Albania with additional knowledge with research on the impact of marine and coastal pollution from oil and gas activities on the marine environment. The training was entitled “Impacts of oil and gas activities on the marine environment” and was developed by Juliette Gilloteaux from Université Côte d’Azur (France). The activity was attended by a total of 17 participants from the partner universities and institutions/organizations.

Contents taught:

This training explored the risks and consequences to marine life and human communities associated with offshore oil and gas exploration and development activities. The many sources by which oil and gas pollution can enter the marine environment were described in the first part. The various impacts of these oil spills on marine fauna, which can range from minimal to large-scale mortality of the fauna, were reviewed. During the second part of the meeting, a focus on the Mediterranean Sea was made with a summary of the data on the development of the exploitation of these hydrocarbons as well as their inputs from sources such as shipping and land-based sources. The presentation ended by emphasizing that oil spills are of great concern because of their short- and long-term impact on marine flora and fauna, and that they generate economic loss as well as significant long-term damage to coastal communities and economies.

Discussion and questions:

Juliette Gilloteaux answered questions and discussed with participants under the following topics:

The management of oil exploitation and development in France.

Oil spill events in the marine environment in other regions than the Mediterranean Sea.

Status and regulations related to oil exploration and exploitation in Montenegro, as well as the identification of companies that carry them out.

Repair and detection tools for oil spills.

Damages caused to marine life according to the physical and chemical characteristics of oil.

Discussion lasted a total of 25 minutes.

Photo of the training:

