

# BlueMed e-training on Marine Litter

developed by the BlueMed CSA, WP3-T3.3

A background image showing an underwater scene with a rocky seabed and some marine life. A semi-transparent white box is overlaid on the right side of the image, containing the names and affiliations of the trainers.

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# Why an e-training on marine litter?

The objective of the e-training sessions is to address the **plastic pollution** of the Mediterranean Sea by **showcasing the best practices** and suggesting ways and methods that **Blue jobs** can become more **sustainable** by addressing their inputs following a **circular economy** strategy.



# The BlueMed frame

- Related BlueMed priorities:
  - **Priority 1: UNDERSTANDING POLLUTION IMPACTS, MITIGATION, AND REMEDIATION IN THE MEDITERRANEAN SEA**
    - The e-training is the first promotional action of this priority;
    - It supports the scaling up of the BlueMed Pilot Action on Healthy Plastic Free Mediterranean Sea.
- Connects to other priorities such as:
  - **LINKING TOURISM, TOURISTS AND ENVIRONMENT**
  - **BUILDING CAPACITY, BLUE SKILLS AND BLUE PROFESSIONALS** (especially part II of the e-training)
  - **FROM TRADITIONAL MARITIME ECONOMY TO BLUE GROWTH ACTIVITIES**



# The BlueMed frame

- **Raise awareness** of all actors of the Mediterranean addressing the diversity of participants wishing to receive training, either at the beginning of the career or as part of the training throughout life;
- Support **human resources development** as a key transversal aspect of the BLUEMED SRIA;
- **Share common practices for training and capacity building** through informing participants on interesting examples and practices;
- **Sharing knowledge** by showcasing cutting edge research and technological advances from the most recent European projects;
- This activity will require the **coordination and cooperation** of the National Pivots and various stakeholders (government, education and research sector, industry).



# Guiding principles in designing the course content

- Course is not solely dealing with marine litter and marine education. The topic is examined under the framework of a wider **blue growth agenda**, but also taken into consideration the **Education for Sustainable development**, **citizen science** and **lifelong learning processes**;
- In addition the wider **waste management** and **circular economy** agendas are also included in our thought process for designing the course;
- We aim to expose trainees to a **selection of good examples** and recommend them a series of educational resources and tools on the topic, coming from the Mediterranean;
- Focusing on increasing the overall **ocean literacy** of **citizens** especially those occupied in **Blue Jobs**.





# Connecting Plastics to their effects and the economy sectors

- The e-training is organised in a way that corresponds to the **three pillars** of the **BLUEMED Initiative SRIA + the cross-cutting one**:



- 1) Presenting existing **knowledge** and knowledge gaps, while enhancing citizens knowledge and awareness regarding litter at sea;
- 2) **Identifying sectoral enablers** and sectoral input aiming at **enhancing blue skills** building and in building capacity for more sustainable blue jobs and ocean literate blue professionals;
- 3) Bringing together current cutting edge research and **technological advances** that deal with the problem of litter at sea;
- 4) Identifying **governance and policy challenges**, as well as citizen participation as cross-cutting enables that offer the possibility to increase awareness and actions across the Mediterranean.



# E-training characteristics:

- **Asynchronous course** with limited period of support (15 days – 1 month), where instructors and facilitators will be available to be contacted via email or be active in discussion forum.
- E-training is divided into two distinct parts:
  - **PART I.** Introduction to the litter issues, cutting edge research and technological advances;
  - **PART II.** Sectoral Pressures, Opportunities and Impacts, as well as Raising Awareness.
- Instructors are selected members of the platforms or coordinators of cutting edge European projects

# Format of course:

- **Pedagogical methods** used in training:
  - Discussion forums;
  - Videos and infographics.
- Each session will include:
  - A **short video** of educator introducing the topic (2-3 mins);
  - A **written lecture** of up to 10 pages;
  - Condense info in the form of an **infographic, presentation** or other **video** that might be available;
  - Additional material that the expert wants to include;
  - A **self-control test** (multiple choice);
  - **Homework** and/or **suggestions for further reading**.



# Course outline - Part I

	Title of session	Brief Description
<b>PART I</b>  <b>Introduction to the issue, cutting edge research and technological advances</b>	Introduction to e-training and promotional material.	<b>Short videos from the GSO and/or pilot hub delegates, the Young Ambassadors, BlueMed CSA</b> , identifying the litter problems in their countries and the importance of research and education in plastics will be uploaded to the e-training platform and the website prior to the educational material for all interested parties to watch. Registrants to the course will be prompted to make their own introductory 1min videos and upload them to the platform
	1. Introduction to Plastics and Microplastics	General Info, Types , Pathways, effects on humans and the marine ecosystems
	2. Research and Monitoring Protocols	Guidance on Monitoring Marine Litter in the Mediterranean (Approaches, Categories, Citizen Science Contribution)
	3. Use of new technologies for observation	Monitoring plastics through new technologies (drones, RS, and underwater optics), Citizen collaboration and mobile phone applications
	4. Cutting Edge technology for prevention and removal	Technological advances and ideas that can be used in collection and removal
	5. Alternatives and Recycling	What is available instead; Is recycling the solution; What are the new ideas to reduce use


# Course outline - Part II

	Title of session	Brief Description
<b>PART II</b>  <b>Sectoral Pressures, Impacts, Actions and Ocean Literacy</b>	6. The Blue Bioeconomy	The role of Blue component in the landscape of the bioeconomy
	7. Fisheries and Aquaculture	Pressures, Impacts, Opportunities and possible sectoral Actions (Circular Economy Perspective)
	8. Tourism	Pressures, Impacts, Opportunities and possible sectoral Actions (Circular Economy Perspective)
	9. Shipping	Pressures, Impacts, Opportunities and possible sectoral Actions (Circular Economy Perspective)
	10. Community and Citizen Awareness, Ocean Literacy	Importance of citizens behaviour, swimming and (eating) plastics, awareness campaigns, citizens of change
	11. Governance Challenges	Complex solutions as a transboundary problem, EU policies and the way forward, Regulation through the MSFD



# Platform Description:

- The e-course will be delivered using the Moodle platform (<https://moodle.org/>);
- Moodle is an Open Source Learning Management System;
- Easy to use;
- Good applicability for discussion forums;
- Can be used to create online quizzes;
- Allows participants to upload their own media material.



The screenshot shows the Moodle website's header and banner. The header is a dark blue bar with an orange home icon and navigation links: DOCUMENTATION, DOWNLOADS, DEMO, TRACKER, DEVELOPMENT, TRANSLATION, and MOODLENET. A search icon is on the right. Below the header is the Moodle logo (an orange graduation cap over the word 'moodle'). To the right of the logo is a language dropdown menu set to 'English (en)' and a login status 'You are not logged in. (Log in)'. The banner features a large world map composed of many small, diverse human faces, with the text 'Community driven, globally supported.' and a welcome message to the Moodle community.

**moodle**

English (en) You are not logged in. ([Log in](#))

**Community driven, globally supported.**

Welcome to the Moodle community and discover the value of an open, collaborative effort by one of the largest open-source teams in the world.



**Thank you!**  
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