

“Shaping a Circular Blue Economy in the Mediterranean”

Plastics Busters CAP: Fostering knowledge transfer to tackle marine litter in the Med by integrating Ecosystem Based Management into Integrated Coastal Zone Management

27-28 June 2022

Cairo + online



How can circular practices benefit the economy?

Eng. Essam Nada
Project Manager
Plastic Busters CAP Egypt



Plastic Busters initiative

Plastic Busters on basin scale



A crucial aspect of the marine litter issue, underlined by the **Barcelona Convention within the Regional Plan for Marine Litter** (Istanbul 2013) is that: "Marine pollution knows no border, pollution in one country affects all other 21 countries, hence there is a need for a regional approach".

Plastic Busters is the first project at basin scale that binds the Southern and Northern Mediterranean countries on the issue of Marine Litter under the umbrella of UNEP/MAP and UfM, with 10 countries already involved in the project and 12 countries endorsing the project.



Diagnosis of the problem to identified specific solutions

- Impact on Biodiversity?
- Impact on Fisheries?
- Identification of Hot spot areas?
- Impact on Human?



SDSN-MED Flagship project



2013

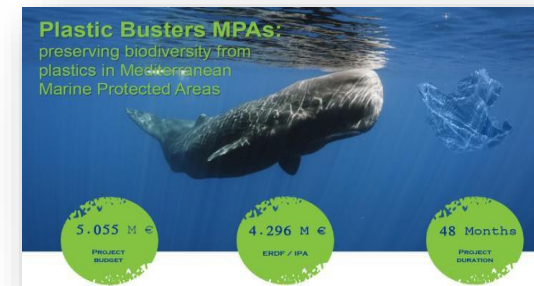
UfM Labelling



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الإتحاد من أجل المتوسط

2016

MED-Interreg



2018

ENI -CBC



2019 - 20



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PLASTIC BUSTERS ON BASIN SCALE

TRANSFERRING/CAPITALIZATION OF PLASTIC BUSTERS MPAs



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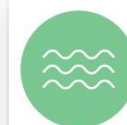
Plastic Busters MPAs:
preserving biodiversity from
plastics in Mediterranean
Marine Protected Areas



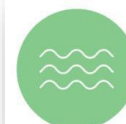
5.055 M € PROJECT BUDGET	4.296 M € ERDF / IPA	48 Months PROJECT DURATION
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COMMON



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Objective

The **Plastic Busters CAP** project will capture the results from relevant projects, **capitalize** upon and effectively **transfer knowledge and tools** that address the **entire management cycle of ML** -from monitoring and assessment to prevention and mitigation- in order to support concrete actions to **mitigate ML** on the science-policy-society in the **entire Mediterranean basin**.



PLASTIC-BUSTERS

For a Mediterranean free from
litter/UfM-INTERREG MED/Feb
2018-Jan 2022

MPA-ADAPT

Guiding Mediterranean MPAs
through the climate change era:
Building resilience and adaptation
(MPA-ADAPT)/INTERREG
MED/Nov 2016-May 2019

Co-Evolve4BG

Co-evolution of coastal human
activities & Med natural systems
for sustainable tourism & Blue
Growth in the Mediterranean (Co-
Evolve4BG)/ENI CBC MED/Sep
2019-Aug 2020

COMMON

Coastal Management and
Monitoring Network for
tackling marine litter in
Mediterranean sea
(COMMON)/ENI CBC MED/Sep
2019-SEP 2020

MED4EBM

Mediterranean Forum For
Applied Ecosystem-Based
Management (MED4EBM)/ENI
CBC MED/Oct 2019-Oct 2022

PLASTIC BUSTERS MPAS ADDRESSES THE ENTIRE MANAGEMENT CYCLE OF MARINE LITTER



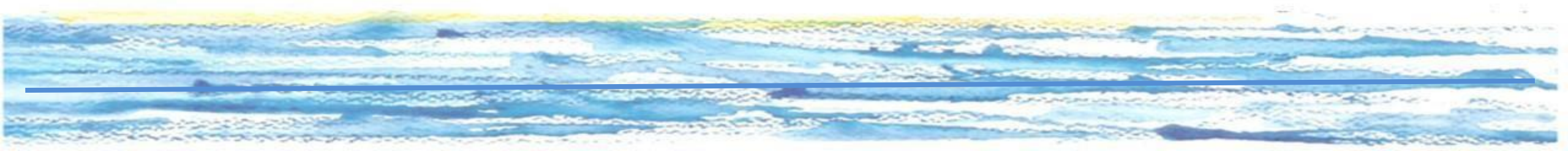


General objective

To facilitate decision makers and stakeholders in **effectively tackling Marine Litter** by integrating **Ecosystem Based Management** into **Integrated Coastal Zone Management** planning towards **supporting concrete mitigation actions on the science-policy-society interface**.

Specific Objectives

- To enhance and **transfer knowledge**, experience and best practice tools that address the **entire management cycle of ML**, from **monitoring and assessment to prevention and mitigation**, towards an integrated and strategic approach that couples EbM and ICZM into local development planning
- To design and **implement fit-for-purpose ML knowledge transfer and capacity building** mechanisms for public administrations and stakeholders, and facilitate multi-directional relationships between stakeholders, towards co-evolution of knowledge, strengthened decision-making and effective actions
- To promote the **replication and sustainability of the project results via strategic dissemination and awareness raising** of public authorities and policy-makers, effective mobilization of key stakeholders, and strengthened **cross-border and cross-sectoral cooperation and networking to address ML**





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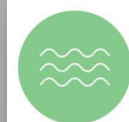
Italy



Greece



Spain



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Lebanon



Tunisia



Egypt



Jordan

"Marine litter pollution knows no border [...] hence there is a need for a regional approach".



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Fostering knowledge transfer to tackle marine litter in the Med by integrating EbA into ICZM

Thematic Objectives B.4 -

Environmental protection, climate
change adaptation and mitigation
(Address common challenges in
environment)

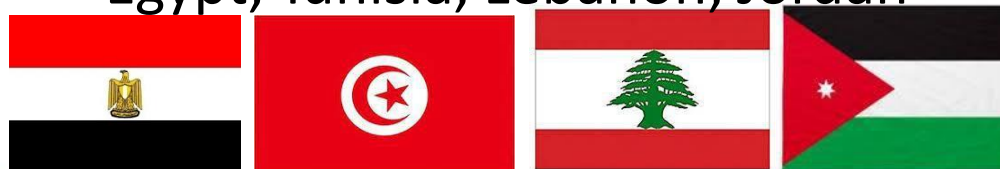
B.4.4 - Incorporate the Ecosystem-
Based management approach to ICZM
into local development planning

Geographic coverage

Italy, Greece, Spain,



Egypt, Tunisia, Lebanon, Jordan



Budget

€ 1.109.976,27

**8 Partners
and
11 Associated Partners**



Partners

8 Partners



- **University of SIENA – ITALY (LP)**
- **Mediterranean Information Office for Environment, Culture and Sustainable Development (MIO – ECSDE) – GRECE**
- **Legambiente Onlus – ITALY**
- **Higher Council for Scientific Research - Institute of Marine Sciences (CSIC) -SPAIN**
- **El Ramis Society for Local Community Development of Barrany - EGYPT**
- **National Institute of Marine Sciences and Technologies - Department of Marine environment (INSTM)– TUNISIA**
- **Tyre Coast Nature Reserve (TCNR) – LEBANON**
- **The University of Jordan - Aqaba Branch.
Faculty of Basic and Marine Sciences, Department of Marine Biology - JORDAN**



Associated partners

11 Associated Partners



- Stazione Zoologica Anton Dohrn - Dipartimento di Ecologia Marina Integrata Sede Territoriale Sicilia, Italy
- Fundació Universitària Balmes (Universitat de Vic – Universitat Central de Catalunya), Centre Tecnològic BETA, Spain
- Comune di Favignana - Ente gestore dell'Area Marina protetta "Isole Egadi", Italy
- Fundación de la Comunidad Valenciana para la Investigación, Promoción y Estudios Comerciales de Valenciaport, Spain
- Consiglio Nazionale delle Ricerche - Dipartimento di Scienze del Sistema Terra e Tecnologie per l'Ambiente, Italy
- The Arab Office for Youth and Environment (المكتب العربى للشباب والبيئة) - AOYE, Egypt
- International Solid Waste Association (ISWA), Other
- Ministère de l'Environnement - Direction Générale de l'Environnement et de la Qualité de vie, Tunisia
- Municipality of Bizerte, Tunisia
- Ente Parco Nazionale "Isola di Pantelleria", Italy
- Aqaba Development Corporation (شركة تطوير العقبة - Transport & Logistics Department), Jordan



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Methodology

- ✓ In order to achieve **joint, concerted and coordinated actions at cross-border level** to **protect the Mediterranean Sea from ML and marine litter pollution**, the Plastic Busters CAP has deployed a **multimodular methodological approach**.
- ✓ The project will focus on facilitating **decision makers and stakeholders** in effectively **tackling ML** by integrating **Ecosystem Based Management** into Integrated **Coastal Zone Management** towards supporting **concrete mitigation actions** on the science-policy-society interface.
- ✓ The backbone of the project is shaped up by a set of **5 selected projects** for capitalization, namely the **UfM PLASTIC BUSTERS**, the **ENI CBC COMMON**, the **MPA-ADAPT**, the **ENI CBC CO-EVOLVE4BG** and the **ENI CBC MED4EBM**. Each selected project contributes with valuable outputs and outcomes that form the foundation of the capitalization process.





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WP1

• PROJECT MANAGEMENT

WP2

• PROJECT COMMUNICATION

WP3

• MARINE LITTER MONITORING AND MITIGATION

WP4

• MARINE LITTER GOVERNANCE AND POLICY MAINSTREAMING

PLASTIC BUSTERS MPAS ADDRESSES THE ENTIRE MANAGEMENT CYCLE OF MARINE LITTER



Within this WP available knowledge and **best practices** that address the **entire management cycle of marine litter** from **monitoring and assessment to prevention and mitigation** will be transferred and piloted.

✓ **Two training programmes** (including tailor-made training packages and capacity building workshops) will be designed and implemented, one dealing with **marine litter monitoring**, while the second will focus on **mitigation measures**.

✓ Furthermore **pilot monitoring and assessment campaigns** for marine macro- and microliter in all marine compartments (**beach, sea surface, seafloor, biota**) will be performed in **4 locations in Egypt, Jordan, Lebanon and Tunisia**.

✓ The research/scientific campaigns will be complemented by a **participatory science initiative** where different stakeholder groups will be involved in data collection in all project countries.



WP3 activities



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- ✓ **Demo projects** focusing on **showcasing ML prevention and mitigation measures** will setup up in the **4 southern Mediterranean countries**.
- ✓ The **demo projects** will be defined and implemented with inputs from all project partners. Indicatively some of the measures to be considered **include SUPs free beach bars, fishing for litter, etc.**
- ✓ An **awareness raising campaign** in all project countries will be also launched aiming to promote information on the sources but also the solutions to tackle ML and plastic pollution.



**DERELICT FISHING GEAR
MANAGEMENT**



Plastic Busters MPAs: Measures *Transferring in Plastic Busters CAP*



REPLACEMENT OF
SINGLE-USE PLASTICS



DERELICT FISHING GEAR
MANAGEMENT



AWARENESS RAISING
CAMPAIGNS

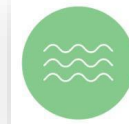


BANNING SPECIFIC
ACTIVITIES



EXTENDED PRODUCER
RESPONSIBILITY

WP4 activities



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- ✓ In order to achieve the objective of WP4 a **policy toolkit for a marine litter management** approach that couples EbM & ICZM will be elaborated via a participatory approach.
- ✓ The **toolkit** will be strategically disseminated also via a **targeted workshop** aiming to build institutional capacities on mainstreaming marine litter management measures in local and national planning.
- ✓ Furthermore, via a participatory approach the **Plastic Busters CAP roadmap** for marine litter policy priorities will be drafted in order to **provide concrete support to policy actors for a coordinated, multilevel and strategic approach for a litter-free Mediterranean.**



Plastic Busters CAP: outputs overview

The main expected achievements of the project are:

- ✓ 4 national hands-on training activities on marine litter monitoring and assessment
- ✓ 1 e-course on marine litter monitoring and assessment
- ✓ 4 pilot marine litter monitoring and assessment campaigns
- ✓ 4 national hands-on training activities on marine litter prevention and mitigation measures
- ✓ 1 e-course on marine litter prevention and mitigation measures
- ✓ 4 demos showcasing marine litter prevention and mitigation measures
- ✓ 1 roadmap on marine litter policy priorities
- ✓ 1 coastal cities network for a litter-free Mediterranean





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PLASTIC BUSTERS TEAM



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Interreg
Mediterranean

PLASTIC BUSTERS
MPAs

Thanks !