

### SHAREMED First Capitalisation Workshop

Designing the future system of observing systems to assess and address threats to the Mediterranean marine ecosystem - State-of-the-art, needs and future direction

Webinar: 14-15<sup>th</sup> December, 2020



Project co-financed by the European Regional Development Fund Maria Cristina Fossi Plastic Busters MPAs

### **GEOGRAPHIC EXTENSION: MEDITERRANEAN BASIN**

# Project coordinator: ISPRAINTEGRATED PROJECTScientific coordinator: University of Siena







# **Plastic Busters MPAs** general objectives Whole Management Cycle Of Marine Litter



- PlasticBusters MPAs, is a 4-year-long project Interreg Mediterranean funded project aiming to contribute to maintaining biodiversity and preserving natural ecosystems in pelagic and coastal marine protected areas (MPAs), by defining and implementing a harmonized approach against marine litter.
- The project entails actions that address the WHOLE MANAGEMENT CYCLE OF MARINE LITTER, from monitoring and assessment to prevention and mitigation, as well as actions to strengthen networking between and among pelagic and coastal MPAs located in Italy, France, Spain, Croatia, Albania and Greece.
- The project will support the implementation of the MSFD and the Barcelona Convention Regional Plan on Marine Litter Management in the Med.

### **Plastic Busters MPAs** activities in MPAs Risk Assessment - From Diagnosis to Mitigations



#### WP4 -Testing

Pelagos Sanctuary (IT,FR,MC)
Tuscan Archipelago (IT)
Zakynthos National Marine Park (GR)
Parque Nacional Del Archipiélago De Cabrera (SP)

#### **WP5-Transferring**

Reserve Naturelle des Bouches de
Bonifacio (FR)
Parc National de Port-Cros (FR)
Pelagie Islands MPA (IT)
Res-Lošinj MPA (HR)
Sazan-Karaburun (AL)





circular





### **Mitigations**

# Plastic Busters MPAS: Harmonized Diagnosis in Biota

#### 4.1 – Coordinating WP 4

#### 4.2

Piloting harmonized ML monitoring in Med MPAs to assess ML (macro- and micro-plastics) in the coastal and pelagic environment

#### 4.3

Piloting harmonized ML monitoring approaches in Med MPAs and hotspots to establish the impacts on biota, including endangered species and fishery resources

#### **4.4**

Testing the ML forecasting model

#### 4.5

Preparation of the demo projects

#### 4.6

**Piloting ML prevention and mitigation measures** 



### **MARINE LITTER IMPACTS ON BIOTA**

# **Plastic Busters MPAs:** Three Fold Monitoring Approach in Biota





POLLUTION

100

SHAREMED First Capitalisation Workshop 14-15<sup>th</sup> December 2020

Contents lists available at ScienceDir

**Environmental Pollution** 

## Plastic Busters MPAS: PILOTING ML PREVENTION AND MEASURES

	8 demos heine setup
10 <sup>(+2)</sup> MPAS	

Best practices for tourism and recreation	Solid waste management practices	Replacement of single-use plastics	Banning specific items and activities
Awareness raising campaigns	Port reception facilities	Upcycling and/or recycling	Extended producer responsibility schemes
	Fishing for litter	Derelict fishing gear management schemes	

# **Plastic Busters MPAs: Transferring**

- ✓ Within this activity the studied and tested monitoring approaches for ML under WP3 and WP4 will be converted into protocols that will ensure the successful the replication of the harmonized ML surveillance methods by a wider set of users and territories.
- ✓ These protocols will be written in a **clear and concise way.**
- ✓ The monitoring protocols will guarantee the transferability of the project knowledge in an easily and quickly accessible way meeting the needs of the target groups such as MPA managers, academia, NGOs, other ML monitoring practitioners.



# Plastic Busters MPAs: Transferring, Capitalizing and Governance



Plastic Busters MPAs tackles one of the main challenges of our era and one of the main challenges of all science-policy-society projects which is to <u>bridge</u> <u>the gap between science, policy and society</u> and connect the information production and knowledge generation to its use in the decision making process at different levels.



The project will support the **implementation** of the **MSFD** and the Barcelona Convention **Regional Plan on Marine Litter** Management in the Med.

# **Plastic Busters on basin scale:**

### **Transferring/Capitalizing of the Plastic Busters MPAs**



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



@PlasticBustersMPAs





Union for the Mediterranean Union pour la Méditerranée الإتحاد من أجل المتوسط



Thanks !