



MARLICE 2019

International Forum on Marine
Litter and Circular Economy

BLOCK 3. SESSION 1. BIODIVERSITY AND MARINE LITTER: RESEARCH AND MEASURES

PREVENTION OF LAND-BASED MARINE LITTER AFFECTING MPAS

Ignasi Mateo ACT4LITTER Project Manager



ACT4LITTER in numbers

MARLICE 2019

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Litter and Circular Economy



ACT4LITTER Interreg Med project

539 k €

4IP + 22AP

18 Months

Extension: ending
date: 31/10/2018





ASSOCIATED PARTNERS

- | | | |
|--------------------------------------------------------------------------|-----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| 1 Association for the Protection of Aquatic Wildlife of Albania, Albania | 9 Mediterranean Centre for Environmental Monitoring, Montenegro | 17 Public Institution Nature Park Lastovo Islands Croatia |
| 2 Autonomous University of Barcelona, Spain | 10 MerTerre / Observatoire des Déchets en Milieux Aquatiques, France | 18 Regional Activity Centre for Specially Protected Areas, Tunisia |
| 3 Blue World Institute of Marine Research and Conservation, Croatia | 11 Ministry of Agriculture, Food and Environment, Spain | 19 Regional Ministry of Environment and Spatial Planning of Andalusia, Spain |
| 4 City of Marseille, France | 12 Ministry of Agriculture, Rural Development and Environment, Cyprus | 20 Shoreline, Italy |
| 5 City of San Benedetto del Tronto, Italy | 13 Nice Cote D'Azur Metropole, France | 21 Spanish Association of Marine Litter, Spain |
| 6 Consortium for the Management of Portofino MPA, Italy | 14 PlasticsEurope, Belgium | 22 Thermaikos Gulf Protected Areas Management Authority (former AXIOS – Loudias – Aliakmonas Management Authority), Greece |
| 7 French Agency for Marine Protected Areas, France | 15 Public Institute Landscape Park Strunjan, Slovenia | |
| 8 Management Body of Samaria National Park, Greece | 16 Public Institution National Park Kornati, Croatia | |





1

FILLING OUT THE KNOWLEDGE GAPS ON THE AMOUNTS, COMPOSITION AND SOURCES OF MARINE LITTER IN MEDITERRANEAN MARINE PROTECTED AREAS VIA A PARTICIPATORY-SCIENCE CAMPAIGN.

2

IDENTIFYING TARGETED MEASURES TO ADDRESS MARINE LITTER IN MEDITERRANEAN MPAS, WITH SPECIAL EMPHASIS ON UPSTREAM PREVENTIVE MEASURES.

3

SETTING UP A DECISION-MAKING TOOL TO HELP MANAGERS IDENTIFY THE MOST EFFECTIVE AND FEASIBLE MEASURES TO BE IMPLEMENTED IN THE MARINE PROTECTED AREAS.

4

DEVELOPING NINE ACTION PLANS TO FAST-TRACK ACTIONS AIMING TO PREVENT AND MITIGATE MARINE LITTER.

5

ELABORATING A JOINT PLAN THAT SETS THE BASELINE FOR A COMMON URGENT RESPONSE BY MEDITERRANEAN MPAS TO DEAL WITH THE LURKING MARINE LITTER THREAT.



100

LIST OF SHOWCASES OF MARINE LITTER MEASURES

N°	Prevention measure?	Title of the measure	Brief description	Measure category	Targeted litter items	Implementation Scale	MPA involved?	Potential MPA role (*)	Responsible Actor	More info
M-119	NO	Sea surface marine litter cleaning operations	Sea surface marine litter cleaning is carried out in Turkey by three metropolitan municipalities. Boats gather floating litter every day and send them to recycling plants.	Clean-up campaign and removal actions	All	LOCAL	NO	Promoter	LOCAL PUBLIC AUTHORITY	Sea surface litter cleaning
M-120	NO	The Blue Lid Campaign	It is a social responsibility project that was widespread all over the country (Turkey) for supplying wheelchair users in exchange of plastic bottle lids to those who need a wheelchair but cannot afford to have one.	Recycling and/or recycling	All	NATIONAL	N/A	Facilitator	UNIVERSITY (RESEARCH INSTITUTIONS)	The Blue Lid Campaign
M-121	NO	The Coastwatch Campaign	Coastwatch is a project with a strong environmental education component. It promotes active citizenship in school communities and allows significant coastal monitoring, including marine litter monitoring and beach clean-ups.	Clean-up campaign and removal actions	All	NATIONAL	N/A	Facilitator	NGO & CSO	Coastwatch



N°	Prevention measure?	Title of the measure	Brief description	Measure category	Targeted litter items	Implementation Scale	MPA involved?	Potential MPA role (*)	Responsible Actor	More info
M-14	YES	The Healthy Seas initiative	Healthy Seas transforms fishing nets and other waste into regenerated nylon yarn. In the final step, textile products are created. Non-profit activities include the recovery of fishing nets by volunteer divers and their storage in special facilities, educational campaigns and waste prevention programs.	Derelict fishing gear management scheme	Fishing gear & nets	EUROPEAN REGIONAL SEAS	N/A	Facilitator	NGO & CSO	Healthy Seas Veronika Mikos veronika.mikos@healthyseas.org +31 630 480 795
M-15	NO	The Net-works project for collecting and selling discarded nylon fishing nets	A carpet industry and the Zoological Society of London carried out the Net-works project in the Philippines and Cameroon. This project empowers people in coastal communities to collect and sell discarded nylon fishing nets, thereby removing these nets from the ocean. The nets are then sold into a global supply chain and recycled into yarn to make carpet tile.	Derelict fishing gear management scheme	Fishing gear & nets	INTERNATIONAL	N/A	Facilitator	NGO & CSO	Net-works project
M-16	YES	Disposal of derelict fishing gear	A cost-free solution to fishermen to dispose of old, derelict (gear that is lost in the marine environment) or unusable fishing gear and to reduce the amount of derelict fishing gear in and around coastal waterways.	Derelict fishing gear management scheme	Fishing gear & nets	NATIONAL	N/A	Facilitator	ENTERPRISE & OTHER ECONOMIC OPERATOR	Fishing for Energy

MARINE LITTER MEASURES CLASSIFICATION

BASED ON THE DIFFERENT ROLES MPA MANAGERS CAN PLAY IN THEIR IMPLEMENTATION

IMPLEMENTER.

The MPA manager is directly involved in the implementation of a marine litter measure, i.e. the MPA manager designs and sets up a specific marine litter measure like a clean-up operation.

FACILITATOR.

The MPA manager facilitates other actors to implement a marine litter measure by helping create the enabling conditions, i.e. The MPA manager organizes a capacity building workshop targeting a wide range of stakeholders aiming to enhance their skills to implement best practice marine litter measures.

PROMOTER.

The MPA manager advocates for and/or supports the implementation of a marine litter measure, i.e. the MPA manager carries out advocacy/ lobbying work targeting policy/ decision makers in order to promote the establishment of an extended producer responsibility scheme for cigarette butts.



THE ACT4LITTER CATEGORIES OF MARINE LITTER MEASURES

1 Adopt-a-beach scheme

2 Awareness raising campaign targeted to boaters

3 Banning specific items and activities

4 Promoting best practices for ecotourism

5 Promoting best practices for recreational fishing

6 Campaign to reduce plastic water bottles

7 Cleanup campaign and removal action

8 Deposit-refund system /reverse vending machines

9 Derelict fishing gear management scheme

10 Eco-labelling

11 Setting up an Environmental Management System

12 Imposing a fee/tax/levy

13 Implementing the fishing for litter scheme

14 Improving port reception facilities for waste

15 Improving waste management on-board

16 Improving wastewater management systems

17 Marking and retrieval of fishing gear

18 Promoting extended producer responsibility schemes

19 Promoting the replacement of single-use plastics

20 Public awareness raising campaign

21 Actions to reduce cigarette butts on beaches

22 Promoting the Responsible Beach Snack Bars initiative

23 Establishing a return-refund system for packaging

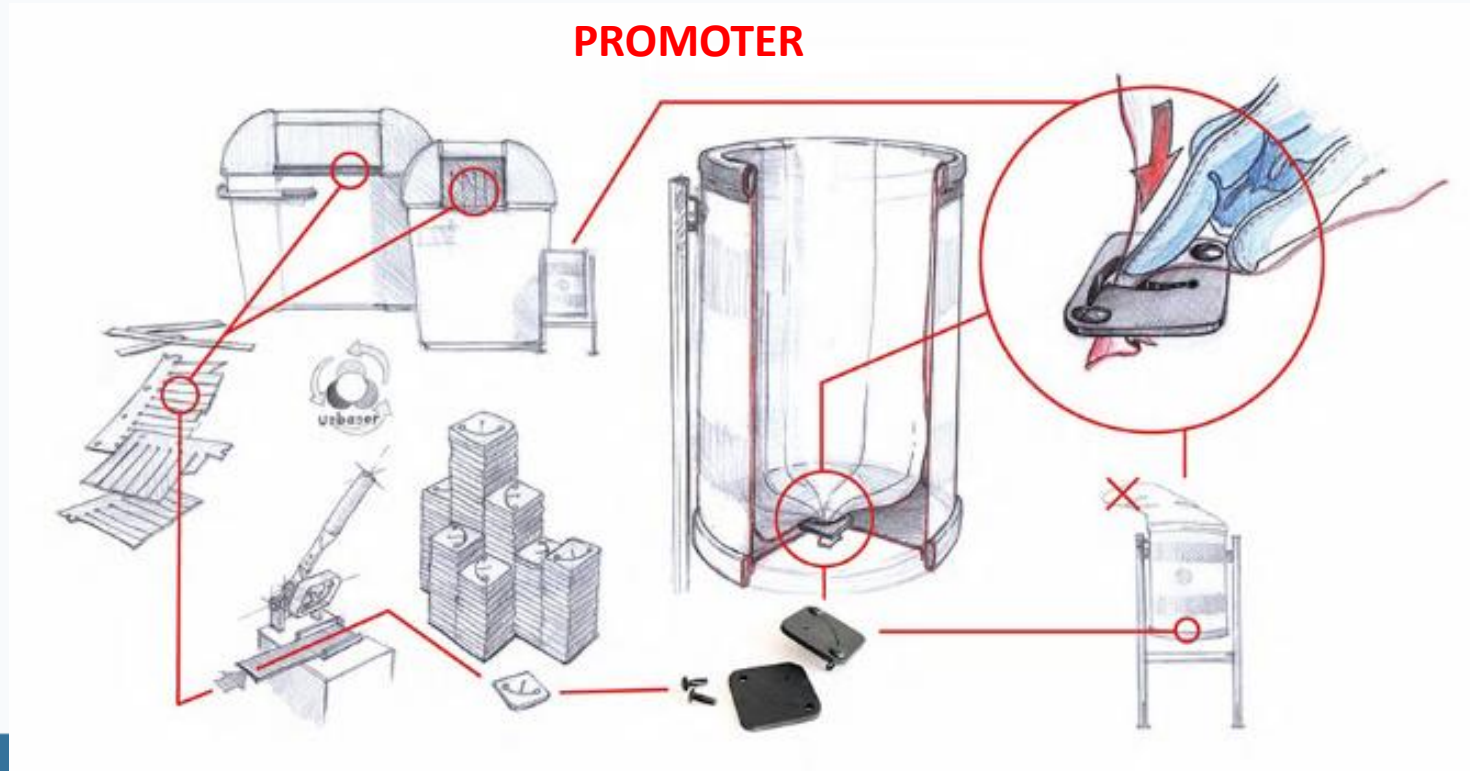
24 Campaign to phase out microplastics in cosmetics

25 Upcycling and/or recycling



M-23	YES	The Antivolabossa device, preventing bin bags from blowing away	Antivolabossa is a device designed to prevent rubbish bags in bins from blowing away and emptying their contents on the street. It serves to prevent the wastage of thousands of rubbish bags and the dirtying of urban spaces. This product is manufactured from the rubber curtains on recycling containers that have had to be replaced. This has been tested in Barcelona.	Improved design of bins	Antivolabossa Ernest Montull M: +34 636 386 509 emontull@gruparxa.cat
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PROMOTER





M-139	YES	City of Freiburg alternative to disposable coffee cups	In the city of Freiburg (Germany), customers pay a €1 deposit for the coffee cup, which can be returned to more than 100 participating stores in the city centre. Participating stores have an identifying green sticker in the window.	Promoting the replacement of single-use plastics	Plastics cups	<p>City of Freiburg alternative Peter Krause +49 171 854 73 61 krause@abfallwirtschaft-freiburg.de</p>
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FACILITATOR

ACT4LITTER preventive measures

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M-8	YES	The Operation Clean Sweep campaign	The campaign's goal is to help every plastic resin handling operation implement good housekeeping and pellet, flake, and powder containment practices to work towards achieving zero pellet, flake, and powder loss, protecting the environment and saving valuable resources. Other campaigns: Nurdle free oceans (UK)	Promoting EPR	Plastic pellets / flakes	<p>Operation Clean Sweep Nurdle Michel Loubry Michel.loubry@plasticseurope.org</p>
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FACILITATOR

Operation Clean Sweep®
Objective: zero pellet loss

Prevention, Containment and Clean-up Procedures

Prevention, Containment & Clean-up Procedures



M-4	YES	Providing an alternative solution to single-use plastic cutlery	This company-led initiative is dedicated to innovative design promoting sustainability. New products are created that, once disposed of, are harmless to the environment. One of these products is 100% biodegradable and compostable cutlery.	Providing alternatives to reduce single-use plastics	Theclিকেat Steven Adler Sales@theclিকেat.com
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IMPLEMENTER



Cabo de Gata,
Nijar Natural Park/UNESCO
Global Geopark, Andalucia
Spain

Ebro Delta Natural Park
Spain

Kornati National Park
Croatia

Miramare MPA and MAB-
UNESCO Biosphere Reserve

Miramare and coast of Trieste
Italy

Reserva Marina del Levante de
Mallorca - Cala Ratjada
Spain

MPA Torre del Cerrano
Italy

Strunjan Landscape Park
Slovenia

Thermaikos Gulf Protected
Areas Management Authority
(former Axios, Loudias
_Aliakmonas Management
Authority)
Greece

MPA Torre Guaceto,
Italy

**THE ACT4LITTER
PIONEERING
MPAS**





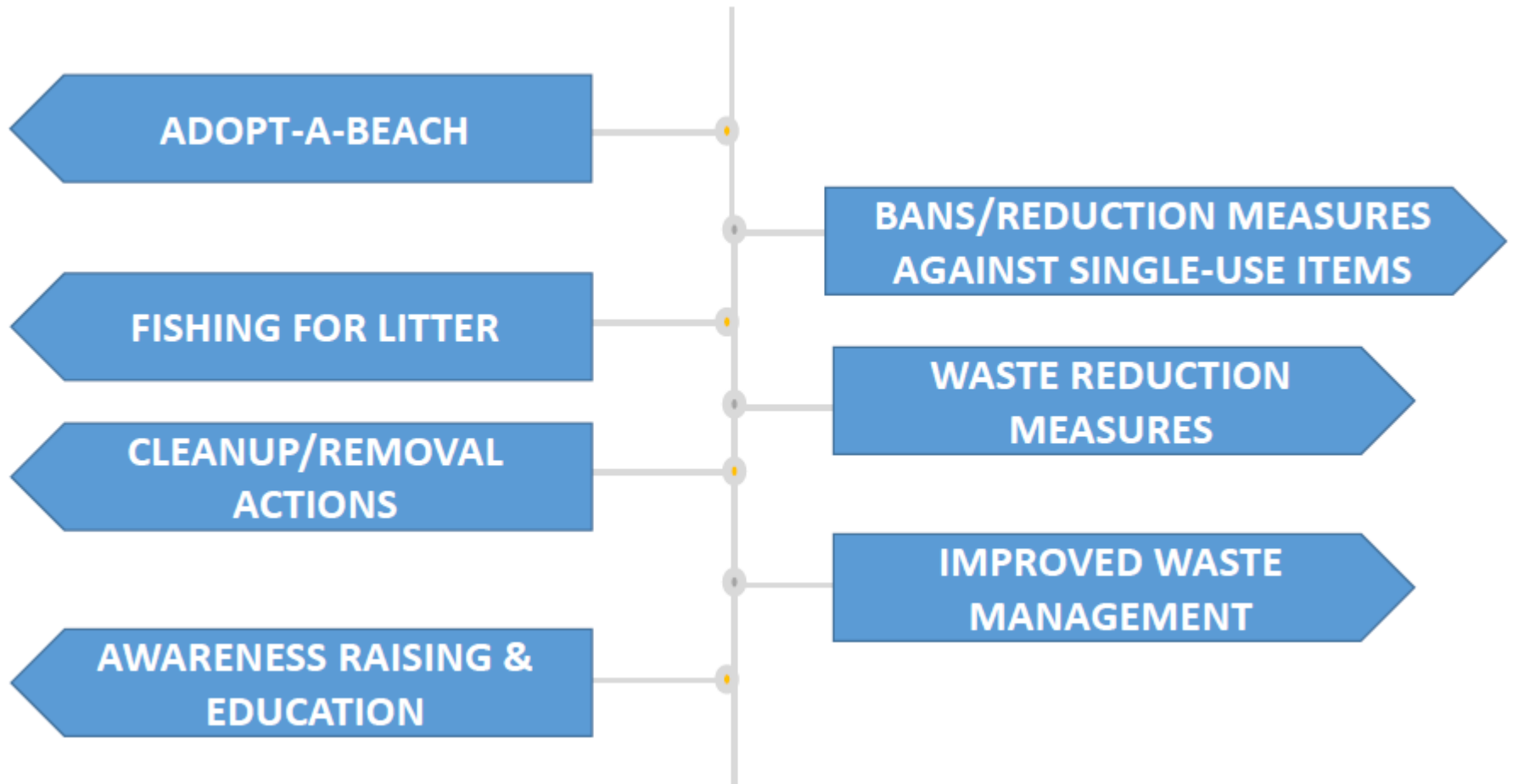
STAKEHOLDERS MEETINGS: A PARTICIPATORY APPROACH



“Not only did the ACT4LITTER provide us with the decision-making tool and the methodology to develop our marine litter action plan, but it assisted us throughout the implementation with necessary technical support for each different phase of the pilot action. This is yet another novelty of the project”



**STELLA VARELTZIDOU,
CONSERVATION BIOLOGIST
AND SCIENTIFIC COORDINATOR
OF THE THERMAIKOS GULF
PROTECTED AREAS MANAGEMENT
AUTHORITY, GREECE.**





ACT4LITTER Joint Plan

# 1	Setup an adopt-a-beach scheme	# 4	Establish 'passive' fishing for litter schemes	# 8	Promote extended producer responsibility schemes
# 2	Promote bans and/or levies on single-use items	# 5	Carry out cleanup and removal actions	# 9	Improve wastewater management systems
# 3	Setup and carry out awareness raising and education campaigns	# 6	Setup selected waste reduction measures	# 10	Carry out participatory-science initiatives to collect marine litter data
		# 7	Improve waste management		



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