



BlueMed Pilot Action For a plastic-free, healthy Mediterranean Sea

Mapping of initiatives – National Hubs

ITALY

[Extract from the DRAFT SUMMARY REPORT, BLUEMED Pilot: For a Plastic-free, Healthy Mediterranean Sea
(Tuesday 12 March 2019, 9:00 – 17:00, Room: CDMA -1/44, Rue du Champ de Mars 21, Brussels, Belgium)]



Italy

The Italian hub aims at giving a substantial and concrete contribution to plastic pollution at sea by running complementary activities targeted at addressing the overall problem by multiple approaches. With this aim, a number of actions have been identified based on: the innovativeness of the proposed technology/action with respect to the present scenario; the field of application; target area of reference; potential of transferability; feasibility within the duration of the pilot; synergies among other action /initiatives. The proposed hub is tailored to address the overall problem of plastics at urban, coastal and marine environments and aims to tackle those human activities that mainly impact at multiple levels. Particular attention is dedicated at Recycling systems, Waste Management and Waste valorisation routes, Coastal and Maritime tourism, Plastic Monitoring and Collecting Systems, Business Models, Social Innovation, Eco-design, Education and Policy Evolution. To be effective, actions should require the commitment and collaboration of all, including governments, businesses and civil society. Here we propose the engagement of individuals, associations, local Authorities, Regions up to National policy makers to face, together with Industries and Research bodies, the big challenge. In particular the pilot includes specific activities addressing the following five actions:

1. Monitoring and Assessment,
2. Preventing/ Recycling / Circular thinking
3. Collection and Valorization
4. Education/Trainig/Communication
5. Policies/Regulatory framework/Financing.

Specific descriptions are indicated in the corresponding table. The selected actions (more than 70 activities among initiatives and projects) will run in parallel and will be monitored by the BLUEMED community. Notably, the Pilot relies on Key National stakeholders from Industry, Associations, Research, Policy (also with a strong International impact) and on national and European/MED project (H2020 CLAIM, Interreg MED Plastic Buster, Climate KIC e-Circular and so on) with a commitment in environment protection and sustainable development.

Type of Action	Description	Main Actions and Projects	Links	
Monitoring and Assessment	1. Characterization of the impact of micro/nano plastics in the biota and ecosystem; 2. Smart monitoring devices and bio-indicators; 3. Data modelling to produce maps of concentration of macro and micro litter; 4. Baseline, standards and guidance for monitoring methods; 5. Data storage and data modelling for mapping purposes; 6. Lakes and Rivers monitoring for presence of micro/nano plastics and their effects.	Initiatives		
		<i>Less Plastic more Mediterranean - campaign</i>	https://www.researchitaly.it/en/news/macro-and-micro-plastics-in-the-mediterranean-cnr-researchers-on-the-rainbow-warrior/	
		<i>Mayday SOS Plastica - campaign</i>	https://www.greenpeace.org/italy/storia/5374/parte-il-nostro-tour-mayday-sos-plastica/	
		<i>Blue Panda Campaign</i>	https://www.wwf.it/blue_panda.cfm	
		<i>Goletta Verde</i>	https://www.legambiente.it/golettaverde/	
		<i>Arcipelago Pulito</i>	https://www.legambiente.it/legambiente-presenta-a-ecomondo-i-dati-dei-progetti-fishing-for-litter/	
		<i>Fondali Puliti</i>	https://www.legambiente.it/spiagge-e-fondali-puliti/	
		<i>Goletta dei Laghi (Lakes' Schoon)</i>	https://www.legambiente.it/parte-la-goletta-dei-laghi-di-legambiente/	
		<i>SCOR Working group 135 - Floating Litter and its Oceanic Transport Analysis and Modelling (FLOTSAM)</i>	https://scor-int.org/group/153/	
		Projects		
		<i>Plastic Buster MPA (Coordinator)</i>	https://plasticbustersmpas.interreg-med.eu	
		<i>Mediterranean Plastic Free, National Geographic Explorer Grant</i>	link is coming	

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		<i>INTERREG MEDSEALITTER, coordinator</i>	https://www.interreg-med.eu/
		<i>INDICIT I, II (partners)</i>	https://indicit-europa.eu/
		<i>H2020 CLAIM (partners)</i>	http://www.claim-h2020project.eu
		<i>PRIN EMME (all Italian Partners)</i>	Exploring the fate of Mediterranean microplastics: from distribution pathways to biological effects
		<i>Life Blue Lakes (Coordinator)</i>	website under construction
		<i>LIFE CleanSeaLife (Coordinator)</i>	http://cleansealife.it
		<i>ENPI CBC MED COMMON (Coordinator)</i>	http://www.enicbcmed.eu/projects/common
		<i>H2020 ODYSSEA (Partner)</i>	http://odysseaplatform.eu
		<i>Marine Litter Database, EMODnet Chemistry (Coordination)</i>	https://www.emodnet-chemistry.eu/marinelitter ; data access https://emodnet-chemistry.maris.nl/v_cdi_v3/search.asp
		<i>RESPONSE JPI Oceans (Coordinator)</i>	Towards a risk based assessment of microplastic pollution in marine ecosystem
Preventing/ Recycling / Circular thinking	1. Plastic waste management and recycling; 2. Macro plastic removal and collection from river, watercourses and municipal wastewater streams; 3. Plastic collection from	Initiatives	
		<i>Goletta dei Laghi</i>	https://www.legambiente.it/golettadeilaghi/
		<i>#RisparmiamoPlasticaAlMare</i>	https://marevivo.it/news/risparmiamo_plastica_al_mare-1002/
		<i>#StopMicrofibre</i>	https://marevivo.it/news/stopmicrofibre-1169/
		<i>Mercato Circolare</i>	www.mercatocircolare.it
		<i>PlasticsEurope</i>	https://www.federchimica.it/associazioni/plasticseurope-italia
<i>Assobioplastiche</i>	http://www.assobioplastiche.org		

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	<p>Lakes;</p> <p>4. Smart manufacturing and Eco design of plastic-based products;</p> <p>5. Development and production of biodegradable / biocompostable plastic;</p> <p>6. Treatment plant monitoring;</p> <p>7. Circular economy based smart app.</p>	<i>CASTALIA / COREPLA</i>	https://lnx.castalia.it/it/rimini-07-10-novembre-2017-castalia-partecipa-ad-ecomondo-2017/ ; http://www.corepla.it/news/conclusa-con-successo-la-prima-sperimentazione-di-raccolta-dei-rifiuti-sul-po-combattere-il-mar	
		<i>NetworkMinosse</i>	http://www.aqualabfondazione.it/4598_Network+MINOSSE	
		Projects		
		<i>H2020 ResUrbis (Coordinator)</i>	https://www.resurbis.eu	
		<i>KIC CLIMATE eCircular (Coordinator)</i>	https://www.climate-kic.org/areas-of-focus/sustainable-production-systems/our-initiatives/ecircular/	
		<i>H2020 TERMINUS (Partner)</i>	https://www.terminus-h2020.eu/the-project/	
		<i>LIFE - Blue Lakes (Coordinator)</i>	website under construction	
		Collection and Valorization	<p>1. Development of technology for plastic removal/collection at coastal and sea level;</p> <p>2. Fishing for Litter;</p> <p>3. Cleaning activities by volunteers;</p> <p>4. Testing of methods for plastic recycle towards chemical materials and energy;</p> <p>5. Valorization of waste produced by fishing, in</p>	Initiatives
<i>MANIFESTO HOM</i>	https://www.federpesca.it/manifesto-hom/			
<i>Fondali Puliti - Fishing for Litter</i>	https://www.legambiente.it/spiagge-e-fondali-puliti/			
<i>Tour Spiagge#PLASTICFREE</i>	https://www.wwf.it/spiagge_plastic_free.cfm			
<i>Arcipelago Pulito</i>	https://www.legambiente.it/legambiente-presenta-a-ecomondo-i-dati-dei-progetti-fishing-for-litter/			
<i>#GenerAzioneMare - Campaign</i>	https://www.wwf.it/mediterraneanew.cfm			
<i>PFU (Tyres Disused) Campaign</i>	https://marevivo.it/news/riparte_la_campagna_pfu_zero_targa_marevivo_e_ecotyre-942/			
<i>ECONYL regeneration System</i>	https://www.aquafil.com/it/sostenibilita/il-filo-econyl/ https://www.econyl.com/			

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	particular disused gears and tools	<i>EcocentroBlu</i>	https://www.minambiente.it/comunicati/rifiuti-porto-cesareo-inaugurazione-centro-la-plastica-raccolta-dai-pescatori	
		<i>CASTALIA / COREPLA</i>	https://lnx.castalia.it/it/rimini-07-10-novembre-2017-castalia-partecipa-ad-ecomondo-2017/ ; http://www.corepla.it/news/conclusa-con-successo-la-prima-sperimentazione-di-raccolta-dei-rifiuti-sul-po-combattere-il-mar	
		<i>Healthy Seas Initiative (Aquafil founding partner)</i>	https://healthyseas.org	
		Projects		
		<i>una Rete per il Mare</i>	https://www.federpesca.it/presentazione-del-progetto-una-rete-per-il-mare-29-agosto-ore-1900-c-o-villa-matarazzo-a-castellabate-sa/	
		<i>Clean Sea Life</i>	http://cleansealife.it	
		<i>MarGNET</i>	http://www.margnet.eu/	
		<i>CLAIM (partner)</i>	http://www.claim-h2020project.eu	
		<i>ML-REPAIR</i>	http://www.ml-repair.eu/it/about-project	
		<i>Progetto PO-FEAMP, REsPoNSo</i>	Riduzione Pesca fantasma in Sicilia	
		<i>Regional project - Plastica in rete</i>	Recovery and recycling of marine litter towards circular economy	
		<i>Interreg Italia-Croazia NETWAP</i>	https://twitter.com/netwapproject	
<i>Progetto Pesca - "Il nostro mare lo salvi chi può"</i>	https://www.progettopescaflai.it/evento/il-nostro-mare-lo-salvi-chi-puo-castellabate/			

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		<i>SIRIMAP - Sistemi di Rilevamento dell'Inquinamento MARino da Plastiche e successivo recupero-riciclo</i>	http://sixtema.wip3.it/?page_id=4204 (provisional link)
Education/Trainig/Communication	<ol style="list-style-type: none"> 1. High level conference/events and summer schools; 2. Massive Open Online Courses(MOOC); 3. International Master Courses; 4. Public engagement, Citizen Science and e learning training for general public; 5. New media use and gamification. 	Initiatives	
		<i>Goletta Verde</i>	https://www.legambiente.it/golettaverde/
		<i>Delfini Guardiani</i>	https://marevivo.it/news/nauticinblu-868/
		<i>Blue Panda</i>	https://www.wwf.it/blue_panda.cfm
		<i>PlasticsEurope</i>	https://www.federchimica.it/associazioni/plasticseurope-italia
		<i>Annual International Conference - Micromed</i>	https://www.microplasticpollution.it
		<i>e-training and international master courses</i>	
		<i>Mercato Circolare</i>	www.mercatocircolare.it
		Projects	
		<i>KIC CLIMATE e-Circular (coordinator)</i>	https://www.climate-kic.org/areas-of-focus/sustainable-production-systems/our-initiatives/ecircular/
<i>ML REPAIR (Partner)</i>	http://www.ml-repair.eu/it/about-project		
<i>Blue Sentinels</i>	http://dueproject.org/en/		
<i>Guardiani della Costa</i>	http://www.guardianidellacosta.it/i-partner/		
Policies/Regulator	1. Developing indicators for marine litter;	Initiatives	
		<i>MANIFESTO HOM</i>	https://www.federpesca.it/manifesto-hom/

Type of Action	Description	Main Actions and Projects	Links	
	2. Developing regulatory framework for collecting plastics at sea by fishermen; 3. Creation of condition for plastic waste collection and recycle; 4. Developing standards for biobased plastics degradability at sea; 5. Support Mediterranean Member States towards the implementation of the Marine Strategy Framework Directive; 6. Promoting financial support to innovative enterprises or ideas	<i>ddl SALVA MARE</i>	https://www.minambiente.it/comunicati/salvamare-costa-bene-calendarizzazione-camera	
		<i>Assobioplastiche</i>	http://www.assobioplastiche.org	
		<i>Cariplo</i>	http://www.fondazione cariplo.it/it/news/ambiente/plastic-challenge-sfida-alle-plastiche-monouso.html	
		<i>FLAG Trapanese</i>	http://www.flagtrapanese.it/il-flag/	
		<i>Istituto Zooprofilattico Sperimentale dell'Abruzzo e del Molise</i>	http://www.izs.it/IZS/	
		<i>ISPRA</i>	http://www.isprambiente.gov.it/it	
		Projects		
		<i>KIC CLIMATE e Circular (Coordinator)</i>	https://www.climate-kic.org/areas-of-focus/sustainable-production-systems/our-initiatives/ecircular/	
		<i>H2020 CLAIM (partners)</i>	http://www.claim-h2020project.eu	
		<i>INTERREG MEDSEALITTER, coordinator</i>	https://www.interreg-med.eu/	
		<i>INDICIT I, II (partners)</i>	https://indicit-europa.eu/	

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