



Stakeholder Seminar on Blue Economy

“Towards a Common Maritime Agenda for the Black Sea”

19 March 2019 in Istanbul

Workshop 4: Healthy marine environment and fight against plastic pollution

Actions & Outcomes



Actions	Stakeholders	Black Sea Added Value	Lessons learnt and related projects	Project ideas
Objective 1: Support the change of habits of citizens and businesses to address pollution				
Develop an action plan for the protection of marine environment against the effects of micro-plastics and develop a campaign for its implementation	<ul style="list-style-type: none"> • National administrations and local communities • Regional organisations • Research performing bodies • Business operators and networks • NGOs • Media outlets 	<ul style="list-style-type: none"> • Awareness-raising on this key environmental issue and boost public interest and involvement in the activities of Black Sea • Empower ocean-engaged citizens contributing to a clean, plastic free, healthy and productive Black Sea 	<ul style="list-style-type: none"> • AORA Ocean literacy working group in the Atlantic • Aquacross • RedMarLitter 	Develop actions for the protection of marine environment against the effects of micro-plastics, based on projects like MONITOX or a LIFE projects for Bulgaria and Romania Develop action plan and campaign for implementation.
Launch information campaigns and events to share good practices and spread the word (nominate and promote Black Sea Ambassadors, at local, regional and global levels)	<ul style="list-style-type: none"> • Business operators • NGOs and Media outlets • National administrations and local communities 	The uniqueness and importance of the Black Sea basin will be better communicated and spread across other sea basins	<ul style="list-style-type: none"> • Other regional sea conventions (HELCOM, UNEP-MAP) • International Black Sea Day (31st October) • European Maritime Day 	Organisation of national and regional workshops, possibly funded by TAIEX

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	<ul style="list-style-type: none"> Regional organisations (BSC, BSEC) 			
<p>Develop actions to share good practices among the regions of Black Sea countries</p>	<ul style="list-style-type: none"> NGOs (Mare Nostrum) Research Institutes National administrations and local communities Regional organisations (BSC, BSEC) 	<ul style="list-style-type: none"> Good practices will be disseminated among Black Sea basin stakeholders The transfer of knowledge on marine litter issues will be faster 	<ul style="list-style-type: none"> BSC CPMR Blue NET project MARLENA RedmarLitter UBBSLA TUDAV 	<p>Set up a network/platform to share good practices among regions and countries in the Black Sea, including studies on marine litter (e.g. waste, pollution etc.) (Fund: EMFF, CBC)</p>
<p>Launch local campaign (in Black Sea coastal regions) on the abolishment of single use plastics</p>	<ul style="list-style-type: none"> Research Institutes NGOs (Mare Nostrum) Private and public sector Regional authorities 	<ul style="list-style-type: none"> Awareness-raising on this key environmental issue and boost public interest and involvement in the activities of Black Sea Empower ocean-engaged citizens contributing to a clean, plastic free, healthy and productive Black Sea 	<ul style="list-style-type: none"> MARLISCO PERSEUS UBBSLA CleanSeaProject Mare Nostrum Alliance for MED EMBLAS project 	<p>Create and promote voluntary commitment philosophy with focus on actions against single use plastic, at all levels (sectors, age groups, coastal regions) (Fund: EMFF, CBC)</p>

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Objective 2: Develop marine protected areas and foster ecosystem planning to recover biological marine resources and mitigate climate change effects				
<p>Establish a network between existing Marine Protected Areas (MPAs) and Natura 2000 sites (in Bulgaria and Romania)</p>	<p>Local and national authorities</p>	<ul style="list-style-type: none"> Strengthen alignment in activities for the region's environmental protection The exchange of good practices will be enhanced and management regimes will be improved More effective and equitable management of existing networks Collaboration in exploring new ways for sustainable economic use of the protected areas (e.g. pesca tourism, etc.) 	<ul style="list-style-type: none"> Baltic Sea (Blue corridors) WWF MedPAN PEGASO 	<p>Set blue corridors in accordance with species migration (birds) to define and strengthen a network between existing MPAs and Natura 2000 sites (e.g. in Bulgaria and Romania, etc.) in liaison with Marine Spatial Planning (MSP) development</p>
<p>Raise awareness on the benefits of the MPA on blue economy in order to reduce the direct and indirect impacts of the human activities</p>	<ul style="list-style-type: none"> Local and national authorities FARNET NGOs Regional organisations 	<ul style="list-style-type: none"> Raise awareness about the existence of the MPAs and the habitat it is hosting/protecting Contribute to the dedication of targeted funds (national, regional, international) 		<p>Develop a joint fishermen and citizen awareness raising campaign with cross-border outreach to reduce impact on MPAs</p>

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		for the preservation of MPAs		
Establish research on coastal hazards erosion, marine resources and their connections to climate change	<ul style="list-style-type: none"> ● Research performing bodies ● Academia ● EUCC ● BSC 	Providing new knowledge to mitigate the impacts of global climate change	<ul style="list-style-type: none"> ● MARSPLAN case studies ● EUROSION (Romania) ● EMODNET ● COASTAL 	<ul style="list-style-type: none"> ● Set a program to monitor coastal hazards erosion, marine resources and their connection to climate change ● The program to be included in the Black Sea environment monitoring
Develop maritime spatial planning (MSP) as tool for a sustainable development and the recovery of the good environmental status of the Black Sea	<ul style="list-style-type: none"> ● Research Institute ● Public sector (Local and National Authorities) 	<ul style="list-style-type: none"> ● Increase environmental protection and exchange of best practices to improve management regimes ● Effectively and equitable management of existing networks; ● Exploring avenues for sustainable economic use of the protected areas 		<ul style="list-style-type: none"> ● Support the MSP development and Integrated Coastal Zone Management (ICZM) in Black Sea including ecosystem and cross border approach (EMFF)

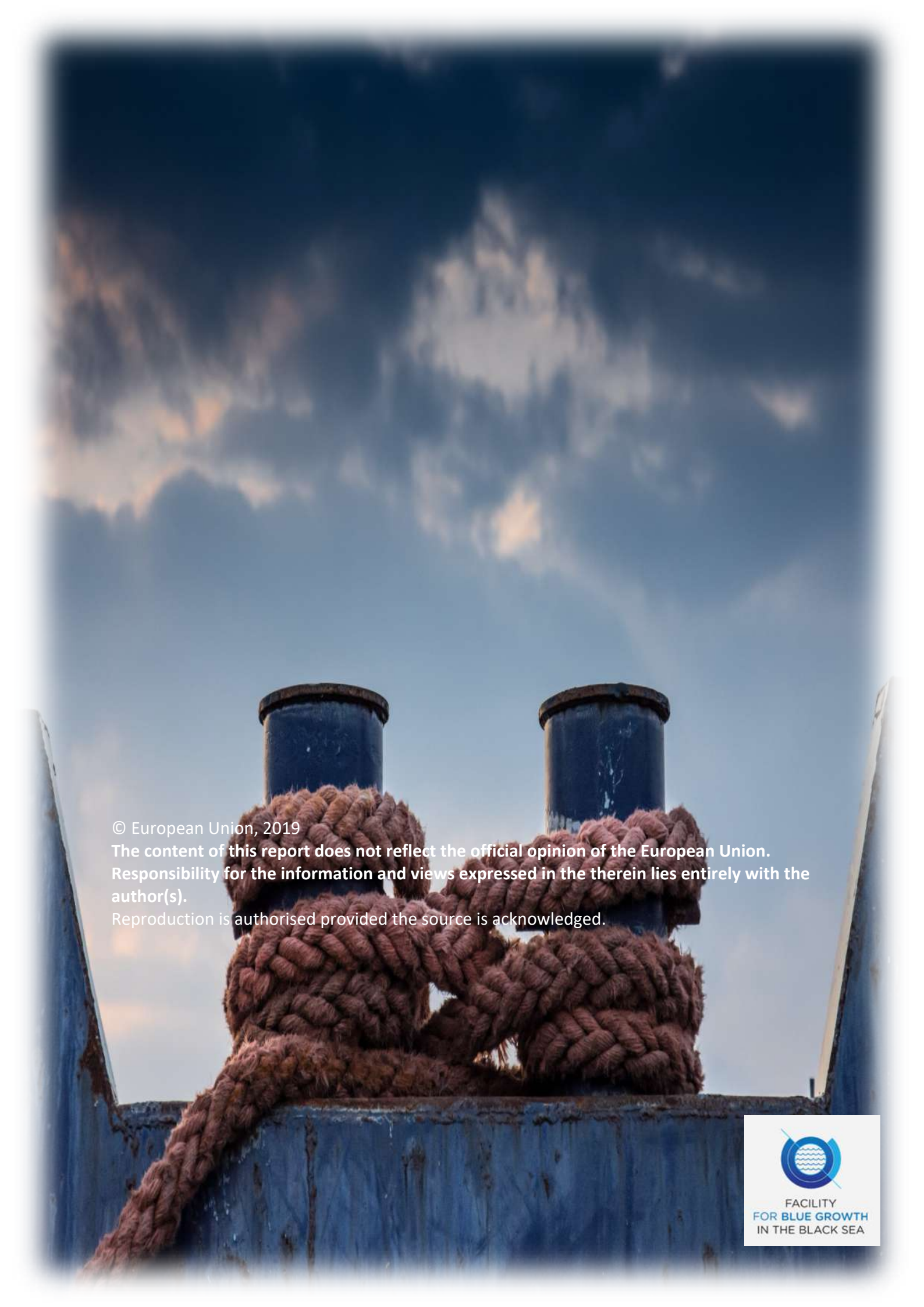
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Objective 3: Set up common monitoring and observation systems and practices to assess performance of the blue economy contribution towards a litter-free circular economy				
Improve availability and sharing of marine environmental data (from the national and regional monitoring programmes)	<ul style="list-style-type: none"> National administrations and local communities Research performing bodies BSC 	<ul style="list-style-type: none"> Support implementation of the EU Marine Directive and WFD at national level and the BSC Assessment Programme (BSIMAP) Help address scientific and socio-economic challenges of the Black Sea Support effective governance for a sustainable ecosystem, mitigation of climate change impacts, and accurate forecasting for adaptive management 	<ul style="list-style-type: none"> EMBLAS project EMODNET PERSEUS CleanSeaProject 	<ul style="list-style-type: none"> Develop environmental monitoring system including river flow with different stakeholders Integrate marine environmental data (from the national and regional monitoring programmes) Establish data portal to be linked with BSC (H2020)
Introduce and upgrade automated monitoring and observation systems	<ul style="list-style-type: none"> Research institutes in Black Sea and beyond (e.g. France/ IFREMER, etc.) BSC 	Contribution to better regional environmental monitoring in the Black Sea	<ul style="list-style-type: none"> ARGO project EMODNET 	To be liaised with Black Sea environmental monitoring system by integrating data collection with automated systems

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Use new tech: drones, satellite images, RUVs to map marine litter in the coastal areas	<ul style="list-style-type: none"> • Research institutes • National administrations 	Development of an innovative service for the management and control of marine litter in coastal areas.	Litter drone project	Grants/calls for litter monitoring projects including a protocol for data collection and reporting to be related to BSC environment monitoring and MSFD implementation at national level (EMFF or H2020)
Establish the measurement of marine litter as a key indicator of good governance among Black Sea countries	<ul style="list-style-type: none"> • National administrations and local communities • BSC 	<ul style="list-style-type: none"> • Contribution to raise awareness on marine litter issue and to • Measure the effectiveness of the actions from local, national to regional levels 	<ul style="list-style-type: none"> • Marine LitterWatch (EEA) • Contingency plan for oil pollution (marine litter to be added) 	To be related to BSC environment monitoring and MSFD implementation at national level
Develop cooperation with fishermen to improve environmental data reporting (litter at bottom)	<ul style="list-style-type: none"> • Small scale fisheries and local communities • BSC 	Contribution to increase awareness on marine litter to disseminate related information at local level and communities	<ul style="list-style-type: none"> • BLSAC • Blue Flag 	Grants/calls for litter monitoring including a protocol for data collection and reporting to be related to BSC environment monitoring and MSFD implementation at national level (EMFF or H2020)
Conduct research on the future and impacts of plastics due to Black Sea conditions	<ul style="list-style-type: none"> • Research institutes • BSC • BSEC PERMIS 	Providing new knowledge to mitigate the impacts of particular environmental and anthropogenic stressors	CLAIM (H2020)	Link with Black Sea Strategic Research and Innovation Agenda (SRIA) for research program development to better elaborate

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	<ul style="list-style-type: none"> European Commission NGOs 	in the Black Sea from land-sea interface to the deep basin		and understand marine litter dynamics both floating and in water column (H2020)
Support the development and the use of skimmers for the collection of surface litter	<ul style="list-style-type: none"> Ports Private actors Public authorities 	Reduction of surface marine litter	RepescaPlas (AIMPLAS)	Grants/ calls for innovation for marine litter collection (H2020)
Introduce programmes for 'green ships' ('green flag' for ships)	<ul style="list-style-type: none"> Shipowners National administration Regional association for shipbuilding and repair 	Stimulate deployment of carbon efficient vessels	General trend at IMO level	Liaison with innovation on clean ships and low emission (H2020)
Launch citizens science applications to report on marine litter on the beach	<ul style="list-style-type: none"> Private ICT actors Public authorities 	Promote Citizens' Science initiatives in the region	Clean Atlantic Project	<ul style="list-style-type: none"> Grants/calls for marine litter data scoping applications on coastal areas – Link of applications with environmental monitoring at regional and local level
Develop and promote innovative marine litter (including microplastics) management techniques both on land and sea	<ul style="list-style-type: none"> Academia BSC Citizens 	<ul style="list-style-type: none"> Boost marine and maritime research and innovation domains in all Black Sea countries 		Grants/calls to develop and promote innovative marine litter (including microplastics) management techniques both on

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<p>in line with the principles of circular economy</p>	<ul style="list-style-type: none"> ● GFCM ● Local Communities ● Ministries and Related Governmental Agencies, Municipalities, ● NGOs ● Private Sector ● Research Institutions 	<p>in order to create synergies</p> <ul style="list-style-type: none"> ● Increase economic benefits for stakeholders ● Support the creation of resilient and empowered communities with interest the Black Sea basin 		<p>land and sea including the principles of circular economy</p>



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FACILITY
FOR BLUE GROWTH
IN THE BLACK SEA