



Stakeholder Seminar on Blue Economy

“Towards a Common Maritime Agenda for the Black Sea”

19 March 2019 in Istanbul

Workshop 1: Seizing the opportunities of research and innovation for a thriving blue economy

Actions & Outcomes



Actions	Stakeholders	Black Sea Added Value	Lessons learnt and related projects	Project ideas
Objective 1: Enhance the generation of ‘basic knowledge’ essential for blue growth in the Black Sea				
Develop a Strategic research and Innovation Agenda	<ul style="list-style-type: none"> • Marine researchers and scientists • Academia • Policy makers • Regional organisations • Funding agencies 	<ul style="list-style-type: none"> • Contribution in developing national strategies, in defining research and innovation priorities among countries, and guiding private sector nationally and regionally • Financing organisations/bodies will be able to offer guided and targeted funding for research at national, regional and EU levels 	BLUE MED SRIA	
Creation of a science and industry partnership	<ul style="list-style-type: none"> • At national level: <ul style="list-style-type: none"> ○ Administrations ○ academia ○ Institutes ○ Private sector • At regional level: <ul style="list-style-type: none"> ○ BSEC PERMIS ○ European Commission 	Industry stakeholders will be receiving input on innovation and new skills development and the scientific sector will be provided with information on the needs for industries’ development at national and regional level	European network of maritime clusters	<ul style="list-style-type: none"> • Creation of maritime clusters linking research and industry at national level and a cluster of clusters at Black Sea level (to be supported via grants/calls at national or regional level)
Focus on Multi stressors (eutrophication,	<ul style="list-style-type: none"> • Marine researchers and scientists 	<ul style="list-style-type: none"> • Will resolve the ecosystem dynamics 	<ul style="list-style-type: none"> • MARS Project (for Fresh water) 	Set up a dedicated programme on multi

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deoxygenation, acidification, fisheries, climate change, litter)	<ul style="list-style-type: none"> Research Performing organisations Academia BSC 	<ul style="list-style-type: none"> Policy makers and funders will proceed with targeted plans/actions/funding opportunities Development of efficient mitigation plans at regional and national level 	<ul style="list-style-type: none"> MarTERA (ERA-NET Fund) AMAre (MED) 	stressors effects for the Black Sea (link with MSFD and Ecosystem Approach BSC) (H2020)
Develop research on Integrated Coastal and Marine Management including the interaction between land-based and sea-based activities and their impacts on coastal zones, both landward and seaward	<ul style="list-style-type: none"> Academia BSC CPMR Ministries and Government Agencies MEDCOAST Municipalities NGOs Research Institutions 	Knowledge produced will contribute to the development of effective marine spatial plans at national and regional level	<ul style="list-style-type: none"> MARSPLAN UNEP/MAP/PAP/RAC/ICZM Advisory Group for ICZM BSC 	Targeted calls/ grants to support Integrated Coastal Zone Management (ICZM) and Marine Spatial Planning (MSP) implementation
Objective 2: Upgrade the research infrastructures needed to support blue economy activities				
Promote a Black Sea specific data sharing mechanism	<ul style="list-style-type: none"> Academia Research performing organisations 	<ul style="list-style-type: none"> Benefits both the scientists' and industry's work and cooperation towards blue economy activities 	<ul style="list-style-type: none"> EMODNET SEADATACLOUD 	Set up a Black Sea specific project to establish a new mechanism through

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		<ul style="list-style-type: none"> • Optimization in the use of resources (e.g. human, financial, etc.) • Creates a culture of openness across Black Sea basin institutions 		which existing projects/centers will be integrated
Establish technology and innovation transfer centres from institutes to industry	<ul style="list-style-type: none"> • Universities • Private sector • Chambers of commerce 	<ul style="list-style-type: none"> • Support the dissemination of innovation in the private sector in the Black Sea • Bring together major public research organisations • Share good practices, knowledge and expertise, perform joint activities • Develop a common approach towards international standards for the efficient and professional technology transfer. 	European TTO circle “Technology transfers offices circle”	Set up a ‘Technology Transfers Offices’ network in the Black Sea for maritime and coastal themes based on the scoping, creation and the network of the existing and new ones
Improve science partnerships with industry	<ul style="list-style-type: none"> • Academia • Private sector • Clusters • Ministries 	Industry will be able to better utilize research and technology	MarTERA (ERA-NET Fund)	To be linked with the maritime clusters set up project idea or via joint consortium for

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				call/grants (EMFF or H2020)
Link companies to technological developers, coaching organisations	<ul style="list-style-type: none"> Private sector Clusters 	Private sector will be able to address its needs on a “fit for purpose” basis	MarTERA (ERA-NET Fund)	To be linked with the maritime clusters set up project idea or via joint consortium for call/grants (EMFF or H2020)
Develop a network of dedicated Marine Research Infrastructures at the Black Sea, building on existing European and international initiatives	<ul style="list-style-type: none"> Academia BSEC EuroFleets, Global Ocean Observing System – GOOS, Intergovernmental Oceanographic Commission of UNESCO Ministries and Related Governmental Agencies Business operators Research Institutions 	Ensuring interaction between the ongoing projects and research activities	Existing research infrastructures: <ul style="list-style-type: none"> EMSO-ERIC, DANUBIUS-RI, EURO ARGO-ERIC RI, Jerico, HYDRALAB EMODNET SEADATACLOUD 	Set up a network of dedicated Marine Research Infrastructures at the Black Sea, building on existing European and international initiatives

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Objective 3: Set-up and develop marine and maritime innovation cluster initiatives to boost business innovation in the blue economy				
Create national marine clusters that include more than one particular sector (incl. ICT, blue biotech, aquaculture, etc.)	<ul style="list-style-type: none"> • Business operators • Research-performing institutions • Public bodies 	<ul style="list-style-type: none"> • Enhanced interaction/communication between government-research organizations - private companies • Better articulation of interests of business to public bodies • Research-performing institutions provide ideas/innovations for business and vice versa • Tackle business distrust in innovative projects developed nationally/regionally (a true barrier for innovations developed in the region) 	<ul style="list-style-type: none"> • Marine cluster Bulgaria • Study on maritime clusters in the Mediterranean and the Black Sea 	To be linked with the maritime clusters set up project idea or via joint consortium for call/grants (EMFF or H2020)
Network of national clusters and related bodies (set up a business model with clear indicators and targets/ produce an innovation roadmap for particular sectors with blue growth potential)	<ul style="list-style-type: none"> • Existing clusters in the Black Sea and in the Mediterranean and the Atlantic. • Create a body – ad-hoc consortium funded by Horizon 	<ul style="list-style-type: none"> • Innovation and sharing of good practice across the Sea Basin • Boost in regional networking 	In the Atlantic: Business hubs Blue Economy accelerators (H2020/Neptune)	Establish a network of national clusters and related bodies to be linked with existing maritime clusters in order to set up project ideas or establish joint

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	Europe calls (divide through Horizon sector groups)			consortia for call/grants (EMFF or H2020)
Set up business and accelerators	<ul style="list-style-type: none"> Existing clusters in the Black Sea and in the Mediterranean (or Atlantic) Business operators Start-ups and accelerators Regional and national networks Regional organisations (BSC, BSEC, Civil Society, CPMR) 	<ul style="list-style-type: none"> Access to alternative funding sources and to coaching for scaling-up companies in blue economy and blue growth at local/regional levels. Networking among interested parties 	In the Atlantic - Business hubs Blue Economy accelerators (H2020/Neptune)	Set up a Black Sea Blue Economy accelerator (H2020) in line with the SRIA for Black Sea
Dedicated programme for staff exchange and training (e.g. small travel grants etc.)	<ul style="list-style-type: none"> SMEs and Science institutions/ Research-performing bodies 	<ul style="list-style-type: none"> Upgrade skills of human capital Share good practices Foster innovation through synergies 	<ul style="list-style-type: none"> RICE project (H2020) ERASMUS+ MENTOR 	Set a pilot programme for staff exchange and training based on the analysis of Blue Economy sectors and the most promising sectors regarding their potential in terms of jobs and Gross Value Added (GVA) creation in

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				the Black (follow up of MENTOR) (EMFF or H2020)



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FACILITY
FOR BLUE GROWTH
IN THE BLACK SEA