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ENVIRONMENT PROGRAMME
MEDITERRANEAN ACTION PLAN**

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Steering Committee of the Plan of Action for a model Mediterranean Sea (PAMEX) by 2030 and its
Local Investment Finance Facility (PLIFF)

Athens Greece, 24-25 January 2023

Agenda item 4: Workplan 2023

b) Review of a Potential Set of Indicators and Targets

Draft proposed framework for monitoring and reporting on PAMEX implementation

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Note by the Secretariat

The present document aims at addressing the monitoring and reporting framework on PAMEx implementation. It is agreed already to build this framework in principle on existing similar monitoring and reporting mechanism (SDG, MSSD, UNEP MAP MTS, others).

To this aim, the Secretariat has prepared the present document to facilitate the discussion of the PAMEx Steering Committee. The document for the time being only includes the proposed relevant indicators from UNEP MAP MTS, to be completed at a later stage, after the endorsement of the approach by the Steering Committee.

AXIS 1 - MARINE & COASTAL BIODIVERSITY			
ACTIONS			INDICATORS
NUMBER	DESCRIPTION	SUB-ACTIONS	DESCRIPTION (UNEP MAP MTSs)
Action 1	Implement the specific marine and coastal biodiversity objectives at Mediterranean level	1.1.Promote the goal to protect 30% of the Mediterranean, through the collective efforts of all Mediterranean countries including 10% under strict protection, by 2030, where possible and taking into account socio-economic impact on the coastal communities and the participatory process of all actors concerned in view of an ambitious post-2020 global biodiversity framework taking into account national circumstances and capacities	<p>1/ Number of protected areas (MPA, SPAMI and other effective area-based conservation measures) designated.</p> <p>2/ Number of management plans developed.</p> <p>3/ Number of management plans implemented;</p> <p>4/ Number of MPA monitoring data reported.</p> <p>5/ % of Mediterranean Sea under protection measures.</p> <p>6/ Number of measures and actions developed and/or implemented on biodiversity conservation, restoration, and monitoring implemented, including on MPA/SPAMI management and monitoring</p>
		1.2. Voluntarily support the MedFund launched by France, Monaco and Tunisia which finances marine protected areas in the Mediterranean and support the work of MedPAN and SPA/RAC.	

		<p>1.3. Call for the establishment of an ambitious Post-2020 Strategic Action Programme for the Conservation of Biodiversity and Sustainable Management of Natural Resources in the Mediterranean Region, in the framework of the SPA/BD Protocol to the Barcelona Convention</p>	<p>1/ Number of regional regulatory and policy instruments to support sustainable use of coastal and marine resources developed/ updated and implemented.</p> <p>2/ Number of regional guidance documents and tools, including recommendations and standards, to support sustainable use of coastal and marine resources developed and implemented.</p> <p>3/ Number of 42 Actions identified at national, sub-regional and regional levels for the conservation of the Mediterranean marine ecosystems and species, and implementation of sustainable marine and coastal activities.</p> <p>4/ Number of new/updated national policies, strategies, legislation or action plans for the implementation of regional instruments, including restoration actions.</p>
Action 2	Speed up the acquisition and spread of scientific knowledge and educational programmes on marine and coastal ecosystems	<p>2.1. Support the work of the BlueMed Initiative and other relevant initiatives from regional organizations within the framework of the United Nations Decade of Ocean Science for Sustainable Development, including the GFCM Forum on fisheries science in the Mediterranean and the Black Sea</p>	
		<p>2.2. Promote the Mediterranean network of training courses for seafaring professions, resulting from the Summit of the Two Shores</p>	

		<p>2.3. At national level, strengthen awareness programs for the benefit of populations and stakeholders, in particular young people, on the importance of protecting marine and coastal ecosystems from anthropogenic environmental threats, such as climate change and oil spills</p>	<p>1/ Number of educational and awareness raising programmes and actions, with a particular focus on civil society engagement, developed and implemented</p> <p>2/ Number of tools and products to enhance knowledge management and internal communication delivered.</p>
		<p>2.4. Promote a network of maritime clusters and twinning initiative at national and regional level of stakeholders involved in the field of marine protection.</p>	
		<p>2.5. Develop a regional network dealing with the exchange of research results on marine and coastal ecosystems evolution, including launching alerts regarding the ecosystem malfunction, inter alia epidemic and mortality of marine fauna.</p>	<p>1/ Network of Mediterranean scientific experts strengthened through: A) number of established/updated partnerships with scientific institutions; B) Number of strategic, knowledge sharing and SPI meetings.</p> <p>2/ Number of thematic data/information collection and sharing platforms established and operational.</p> <p>3/ Progress towards GES achievement/maintenance on biodiversity and non-indigenous species cluster at commonly agreed assessment scales.</p>
Action 3	Support the ecological transition of the tourism sector to foster the sustainable development of countries in the Mediterranean region	<p>3.1. Call for the development of national sustainable tourism strategies and/or strengthening of existing strategies to mainstream biodiversity considerations into marine and coastal tourism planning supported by adequate data and monitoring.</p>	<p>1/ Number of countries that integrate common approaches to mainstreaming biodiversity into development and sectoral plans, policies and processes for tourism</p> <p>2/ Number of regional guidance documents and tools, including recommendations and standards, to support sustainable use of coastal and marine resources developed and implemented.</p>

		3.2. Combine ecotourism and sustainable fishing, notably to ensure stable incomes.	
		3.3. Encourage ecotourism through the valorization of coastal cultural heritage, local and traditional knowledges and values.	
		3.4. Encourage the diversification of itineraries, as appropriate, in order to alleviate the pressures exerted by mass tourism particularly in over-frequented destinations as well as seasonality, contributing to a better distribution of flows in space and time and thus to a more sustainable and balanced growth of the sector with reduced pressures on the environment and local communities	1/ Number of regional guidance documents and tools, including recommendations and standards, to support sustainable use of coastal and marine resources developed and implemented.
		3.5. Promoting training and skills development through education and vocational training and transfer of knowledge, through inter-alia efficient network and twining, for a better cooperation perspectives among different stakeholders involved in the tourism sector.	
Action 4	Preserve, sustainably manage and restore the Mediterranean coastline	4.1. Promote the sustainable management of the coastal zones including shores and strengthen related actions to preserve the integrity of coastal ecosystems, landscape and geomorphology.	1/ Number of countries that integrate common approaches to mainstreaming biodiversity into development and sectoral plans, policies and processes 2/ Number of national and local actions and targeted measures to support climate change mitigation and adaptation, including nature-based solution actions, developed and implemented.
		4.2. Promote maritime spatial planning, including through using the recommendations of the IOC-UNESCO MSP Global Project and the principles of integrated coastal zone management in accordance with the Protocol to the Barcelona Convention on Integrated Coastal Zone Management	1/ Number of national climate change mitigation and/or adaptation and Disaster Risk Reduction strategies and policies developed or mainstreamed into national ICZM and MSP strategies and coastal plans and under implementation.

		<p>4.3. For all: Identify key existing coastal ecosystems with a high biological richness and high potential for climate change adaptation and mitigation and develop measures to effectively and efficiently protect them in line and synergy with the work done at regional level by the UNEP/MAP Barcelona Convention.</p>	<p>1/ Number of protected areas (MPA, SPAMI and other effective area-based conservation measures) designated; management plans developed and implemented; MPA monitoring data reported</p> <p>2/ % of Mediterranean Sea under protection measures</p> <p>3/ Progress towards GES achievement/maintenance on biodiversity and NIS cluster at commonly agreed assessment scales.</p> <p>4/ Number of measures and actions developed and/or implemented on biodiversity conservation, restoration, and monitoring implemented, including on MPA/SPAMI management and monitoring.</p> <p>5/ Number of national and local actions and targeted measures to support climate change mitigation and adaptation, including nature-based solution actions, developed and implemented.</p>
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AXIS 2 - SUSTAINABLE FISHERIES

ACTIONS			INDICATORS
NUMBER	DESCRIPTION	SUB-ACTIONS	DESCRIPTION (UNEP MAP MTS)
Action 5	Implement the MedFish4Ever Declaration on sustainable fisheries, the Agreement on Port State Measures (PSMA), the Cape Town Agreement and the 1995 Agreement relating to the Conservation and Management of Straddling Fish Stocks and Highly Migratory Fish Stocks	5.1. For non-signatories: invite these countries to sign the MedFish4Ever declaration	
		5.2 For non-contracting parties: encourage these countries to sign these agreements.	
Action 6	Develop the new General Fisheries Commission for the Mediterranean Strategy for 2021-2030 by further including marine biodiversity preservation issues	6.1. Support the work of the GFCM so that it further takes into account the adverse impacts of overfishing, by-catch, climate change and non-indigenous species on marine biodiversity based in the best scientific evidence available	
Action 7	Increase the ambition of regional management plans to maintain fishing resources at a maximum sustainable yield level which guarantees food security, social and economic objectives and encourages the implementation of an action plan for sustainable aquaculture in the Mediterranean	7.1. Call for the full implementation of the recommendations and action plans of the GFCM and the establishment of a sustainable aquaculture action plan setting a concrete 10-year roadmap for the sustainable development of Mediterranean aquaculture based on the GFCM aquaculture strategy and taking into account related national plans and strategies.	
		7.2. Increase efforts to create, where appropriate, new Fisheries Restricted Areas (FRAs) based in the best scientific evidence available, and to improve enforcement and control measures in existing FRAs.	
		7.3. Support increased efforts to reduce and, when possible, eliminate the incidental catch of vulnerable species such as cetaceans, turtles and seabirds. Additionally, collect further data aiming at improving knowledge regarding the interaction between fisheries, marine ecosystems and the above-mentioned of vulnerable species	

Action 8	Secure sustainable small-scale fisheries based on the FAO's Voluntary Guidelines	8.1. Support the GFCM Regional Plan of Action for Small-Scale Fisheries in the Mediterranean and the Black-sea (RPOA-SSF) to strengthen and support small-scale fisheries.	
		8.2. Support the establishment of simple and cost effective monitoring control and surveillance systems appropriate for Small-Scale fleet.	
Action 9	Continue the fight against IUU fishing activities by strengthening fisheries management and control measures, improving satellite observation capabilities, increasing training and capacity building	9.1. Support cooperation, exchange of information and capacity building in order to combat IUU fishing	
		9.2. Support the GFCM Regional Plan of Action against IUU fishing (RPOA-IUU) and effective implementation of the GFCM joint international control and inspection schemes	
		9.3. For WTO members: renew the efforts to reach a consensus aiming at eliminating all subsidies contributing to overfishing and IUU fishing.	

AXIS 3 - MARINE POLLUTION

ACTIONS			INDICATORS
NUMBER	DESCRIPTION	SUB-ACTIONS	DESCRIPTION (UNEP MAP MTS)
Action 10	Foster actions at international, regional and national levels involving all stakeholders including private sector to urgently address the increase in plastic waste generation and the leakage of plastic waste into the environment, in particular the marine environment	10.1. At national level, adapt, where appropriate, legislation to progressively eliminate the most environmentally damaging single-use plastic products and promote sustainable alternatives of plastic products such as bio-sourced materials.	1/ Number of new/updated national policies, strategies, legislation or action plans on pollution and marine litter prevention/reduction adopted in line with MAP legal and policy instruments.
		10.2. At national level, support activities on collecting marine litter including through implementation of “Fishing for Litter” practices.	1/ Number of measures and actions developed and/or implemented to reduce pollution to air, water, soil and the ocean
		10.3. Encourage measures on the marking of fishing gears targeting the issue of abandoned, lost or otherwise discarded fishing gear in particular by endorsing the FAO voluntary guidelines, and support fishers in their key role to prevent the occurrence and assist in the recovery of ghost gear at sea, based on the work done at global and regional level including by the FAO and the GFCM.	
		10.4. At regional level, contribute to the BlueMed “Healthy, plastic-free Mediterranean Sea” and the BeMed pilots initiatives, ensure the full implementation of the Regional Plan on Marine Litter Management of the Barcelona Convention and contribute to the Interreg Biodiversity Protection Community work on marine litter.	
		10.5. At regional level, intensify actions towards the achievement of 20 % reduction of beach litter taking into account national circumstances and capacities and a significant and measurable decrease of other marine litter items by 2030, taking into account the progress of the related work at the regional level by UNEP/MAP Barcelona Convention.	1/ Quantity of priority pollutants removed; 2/ Reduced trends of pollutants/marine litter discharges at sea; 3/ Progress towards GES achievement/maintenance on pollution and marine litter at commonly agreed assessment scales

		10.6. At international level, support, where feasible, at UNEA level, a new international agreement on plastic pollution addressing the full lifecycle of plastics, as an overarching framework, complementary to on-going actions at the national, regional and global levels	
Action 11	Increase the collection and recycling of plastic waste in particular by funding new recycling plants by 2030	11.1. Identify the financing needs and mechanisms and technology transfer as regards recycling infrastructure	
		11.2. Adopt national plans to progressively evolve towards the objective of separate collection of all packaging waste by 2025 in line with national circumstances and capacities.	1/ Number of countries that integrate common approaches to mainstreaming marine pollution and marine litter prevention/reduction into development and sectoral plans, policies and processes. 2/ Number of new/updated national policies, strategies, legislation or action plans on pollution and marine litter prevention/reduction adopted in line with MAP legal and policy instruments
		11.3. Support efforts to improve the efficiency of port reception facilities and processing methods to reduce plastic waste in the marine environment	
		11.4. Adopt a circular economy model for the design and production of plastics and plastic products, and for the proper environmental management of plastic waste, respecting the waste hierarchy and promoting the use of more sustainable materials.	1/ Number of technical guidelines and tools on marine pollution and marine litter prevention/reduction and circular business development developed and implemented. 2/ Number of new/updated national policies, strategies, legislation or action plans on pollution and marine litter prevention/reduction adopted in line with MAP legal and policy instruments

Action 12	Encourage stakeholders, specially companies, based in the Mediterranean basin to harmonize their standards on manufacture, formulation, supply and use of plastic materials in order to improve their environmental performance and recyclability	12.1. Encourage efforts by stakeholders especially, companies committing to global initiatives such as the Ellen MacArthur Foundation’s “Global Commitment”	1/ Number of new stakeholders' commitments to global initiatives 2/ Number of technical guidelines and tools on marine pollution and marine litter prevention and circular business development developed and implemented
		12.2. Support coordinated actions of the private sector with other key stakeholders, through the Regional Cooperation Platform on Marine Litter established in the Mediterranean.	1/ Number of regional regulatory and policy instruments developed/updated and implemented addressing pollution and marine litter prevention and reduction 2/ Number of partnerships established and/or updated including with relevant scientific networks/ institutions, and the private sector; 3/ Number of joint actions designed and implemented
Action 13	By 2025, identify land-based pollution hot spots in the Mediterranean and by 2030 work towards finding the most appropriate solutions, including scientific, in order to prevent and significantly reduce pollution, including transboundary waste pollution, from these sources	13.1. Support MED POL work and ensure the implementation of pollution reduction/prevention Regional Plans adopted in the framework of the Barcelona Convention.	1/ Quantity of priority pollutants removed; 2/ Reduced trends of pollutants/ marine litter discharges at sea; 3/ Progress towards GES achievement/ maintenance on pollution and marine litter at commonly agreed assessment scales. 4/ IMAP InfoSystem fully operational for the submission of quality assured data for all IMAP Common Indicators; 5/ Number of Contracting Parties timely submitting IMAP monitoring data through the IMAP InfoSystem.

		<p>13.2. Take decisive action, including by providing adequate financing, to establish adequate urban sewerage systems, wastewater treatment plants, and waste management systems to prevent wastewater contaminant discharge as well as run-off and riverine inputs of litter, including plastic waste and microplastics.</p>	
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AXIS 4 - MARITIME TRANSPORT

ACTIONS			INDICATORS
NUMBER	DESCRIPTION	SUB-ACTIONS	DESCRIPTION (UNEP MAP MTS)
Action 14	Promote green Mediterranean ports and marinas via the electrification of port infrastructures including wharves and provision of alternative, in particular low or zero carbon, fuels	14.1. For Western Mediterranean countries, support cooperation in the framework of the WestMED Initiative technical group on green shipping.	1/ Number of contributions to WestMED initiative technical group on green shipping 2/ Number of ICZM strategies, plans and programmes, mainstreaming MSP and climate action prepared and implemented; 3/ Number of national policies and legal frameworks for green and circular businesses support adopted and implemented
		14.2. Set up a network of green Mediterranean ports and encourage progress towards the transition to low-carbon energy sources for shipping and propose financing mechanisms for investments in equipment, in particular for the electrification of wharves by giving priority to wharves receiving passenger ships and cruise passengers.	1/ Number of actions and targeted measures providing innovative services and products and strengthen technical capacities of businesses, entrepreneurs, financing agents, and civil society organisations.
Action 15	For States which have not already done so, initiate a reflection on the ratification of Annex VI of the MARPOL Convention regarding the Prevention of Air Pollution from Ships and respect the agreed Roadmap on the possible designation of the Mediterranean Sea, as a whole, as a Sulphur Emission Control Area	15.1. For non-contracting parties: invite these countries to initiate a reflection on the ratification of Annex VI of the MARPOL Convention	
		15.2. For the Parties to the Barcelona Convention: Support discussions on the possible designation of a Sulphur Emission Control Area (SECA) in the Mediterranean as a whole and the submission of a proposal thereof with the view of formally submitting it to the 78th Session of the IMO's Marine Environment Protection Committee (MEPC78) in 2022 according to the agreed Roadmap	1/ Number of measures and actions developed and/or implemented to reduce pollution to air, water, soil and the ocean

Action 16	Support the work of the IMO for the greening of international maritime transport	16.1. For IMO members: Support measurable reduction of noise emissions from shipping within the framework of the Organization	
		16.2. Spain, Monaco, Italy, France: Encourage agreement from these countries to identify the Northwest Mediterranean waters as a Particularly Sensitive Sea Area under OMI and propose specific mitigation measures including the possibility to create a reduced speed zone for vessels based on ACCOBAMS, PELAGOS and RAMOGE's work.	
Action 17	For States which have not yet done so, work towards the ratification of the Ballast Water Management Convention to prevent, manage and fight against the spread of non-indigenous species	17.1. For non-contracting parties: invite these countries to consider signing and ratifying the Convention.	
		17.2. Welcome the work of the GFCM on non-indigenous species towards a comprehensive methodology	
		17.3. Support the work of UNEP/MAP on the development and implementation of a Ballast Water Management Strategy for the Mediterranean Sea (2022-2027)	1/ Number of measures and actions developed and/or implemented to prevent, manage and control NIS and in particular invasive non-indigenous species and their introduction pathways.
Action 18	Secure commitment from maritime transport stakeholders to protect the marine environment	18.1. Increase the number of signatories to the SAILS Charter.	
		18.2. Promote the "Ocean framework", a platform to help companies measure and reduce their impact on the ocean based on SDG 14	1/ Number of national policies and legal frameworks for green and circular businesses support adopted and implemented
		18.3 Foster the use of Remotely Piloted Aircraft Systems (RPAS) technology in order to achieve a higher level of control of illegal oil spills and emissions from ship sources.	

Action 19	Step up the fight against oil dumping and pollution from hydrocarbons and other harmful substances in the Mediterranean	19.1. Improve national capacities to fight against pollution by hydrocarbons and noxious and potentially dangerous substances and support regional cooperation notably through capacity building, training of control inspectors and common simulation exercises	
		19.2. Support the work of the MENELAS network to strengthen the application of the MARPOL Convention and improve cooperation in monitoring events and prosecutions against the perpetrators of illicit discharges	
		19.3. Call to support the work of REMPEC and the implementation of the post-2021 Mediterranean strategy for the prevention and control of marine pollution from ships	<p>1/ Number of technical guidelines and tools on marine pollution and marine litter prevention/reduction and circular business development developed and implemented.</p> <p>2/ Number of ICZM strategies, plans and programmes, mainstreaming MSP and climate action prepared and implemented;</p> <p>3/ Number of national policies and legal frameworks for green and circular businesses support adopted and implemented</p>