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**Agenda Item 4: Implementation of the 2023 MED QSR Roadmap**

**2023 MED QSR Operational Plan 2020-2023**

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UNEP/MAP  
Athens, 2021

2023 MED QSR Roadmap Implementation Plan through ECAP MED III, IMAP-MPA, ML MED II Projects and 2020-2021 UNEP/MAP POW activities							
2023 MED QSR Outputs/Milestones	2020	2021	2022	2023	Related activities/milestones under EcAp MED III, IMAP-MPA, ML MED II and UNEP/MAP 2020-2021 POW		
<b>1. Scales of Monitoring, Assessment and Reporting</b>					<p><b>EcAp MED III Project Output:</b></p> <p>2.1.1: Analysis for each IMAP cluster on knowledge gaps, with a focus on the scales of assessment/reporting prepared/agreed and scales of monitoring for all IMAP Common Indicators agreed/progressed</p> <p>2.1.2: Assessment criteria/thresholds/ baseline values proposed/updated for the 10 IMAP Common Indicators included in the current IMAP Pilot Info System as well as one candidate indicator (Noise)</p>		
Analysis for each IMAP cluster on knowledge gaps, with focus on scales of monitoring prepared (mid 2019 - end 2020)					2.1.1.1. Undertake in-depth analysis of knowledge gaps related to scales of assessment for all mandatory CIs of IMAP, except those related to the Biodiversity cluster covered under the IMAP-MPA project		EcAp MED III
					<p>1.1: In depth identification at country level of the capacities required to enable IMAP implementation and facilitate the provision of reliable and quality assured data for the MED 2023 QSR;</p> <p>1.2: Capacity building and exchange of best practices at the national, sub-regional and regional level through specific training sessions and meetings (regional consultants)</p>		IMAP-MPA
					1.5 Assess knowledge and data gaps for the riverine inputs of marine litter in the Mediterranean; propose relevant monitoring methodologies based on existing experience and adjust them into the Mediterranean needs; ensure synergies with the EU MSFD TGML work.		ML MED II
					1.4.3.1: Support the coordinated implementation of IMAP at regional, sub regional and national levels d) Actions of QSR 2023 roadmap related to all IMAP components with regards to scales of monitoring and assessment, data quality assurance and integrated assessment of GES developed as per agreed timelines; 2.4.1.4: Harmonize and standardize the monitoring and assessment methods of pollution and marine litter in line with IMAP		POW/MTF
Approaches on scales of monitoring for IMAP Common Indicators included in the IMAP					<p>2.1.1.2. Propose updated/new scales of assessment for all mandatory CIs as applicable;</p> <p>2.1.1.3. Prepare GIS atlas for scales of monitoring and scales of assessment to be integrated into IMAP Pilot Info System;</p>		EcAp MED III

Pilot Info System defined (2019)								1.2: Capacity building and exchange of best practices at the national, sub-regional and regional level through specific training sessions and meetings; 2.1: Integrated/joint monitoring in MPAs and high-pressure areas carried out in identified pilot sites for agreed common indicators	IMAP-MPA
								–	ML MED II
								1.4.3.1: Support the coordinated implementation of IMAP at regional, sub regional and national levels d) Actions of QSR 2023 roadmap related to all IMAP components with regards to scales of monitoring and assessment, data quality assurance and integrated assessment of GES developed as per agreed timelines; 2.4.1.4: Harmonize and standardize the monitoring and assessment methods of pollution and marine litter in line with IMAP	POW/MTF
Scales of monitoring for all IMAP Common Indicators agreed (2021)								2.1.1.2. Propose updated/new scales of assessment for all mandatory CIs as applicable;	EcAp MED III
								1.2: Capacity building and exchange of best practices at the national, sub-regional and regional level through specific training sessions and meetings; 2.1: Integrated/joint monitoring in MPAs and high-pressure areas carried out in identified pilot sites for agreed common indicators	IMAP-MPA
								1.1 Support countries to further advance and operationalize monitoring of IMAP Candidate Indicator 24, with a focus on the ground implementation of the operation strategy as developed during the first phase of the Marine Litter MED Project.	ML MED II
								1.4.3.1: Support the coordinated implementation of IMAP at regional, sub regional and national levels d) Actions of QSR 2023 roadmap related to all IMAP components with regards to scales of monitoring and assessment, data quality assurance and integrated assessment of GES developed as per agreed timelines; 2.4.1.4: Harmonize and standardize the monitoring and assessment methods of pollution and marine litter in line with IMAP	POW/MTF
Scales of assessment products for all IMAP Common Indicators clustered per Ecological								2.1.1.2. Propose updated/new scales of assessment for all mandatory CIs as applicable; 2.1.1.4. Develop a proposal on integrated assessment scales as appropriate across clusters;	EcAp MED III



									<p>1.4.3.1: Support the coordinated implementation of IMAP at regional, sub regional and national levels d) Actions of QSR 2023 roadmap related to all IMAP components with regards to scales of monitoring and assessment, data quality assurance and integrated assessment of GES developed as per agreed timelines; 2.4.1.4: Harmonize and standardize the monitoring and assessment methods of pollution and marine litter in line with IMAP</p>	POW/MTF
<p>Assessment criteria/thresholds/ baseline values initiated for all IMAP Common Indicators (2021-2022)</p>									<p>2.1.2.1. Update/upgrade and develop assessment criteria using trend and threshold approach as appropriate for 10 CI already included in the IMAP Info System (CI 1, 2, 6, 13, 14, 16, 17, 21, 22, 23); 2.1.2.2. Develop guiding documents for the application of assessment criteria, thresholds and baseline values for all IMAP clusters at the national level; 2.1.2.3. Test integrated assessment approaches/methodologies, including approaches to interrelate pressures/impacts/state of the marine environment, developed by UNEP/MAP (document WG.467/7 and other relevant UNEP/MAP documents in the process of elaboration, as appropriate) in three pilot areas based on the results and data coming from output 1.1 of ECAP MED III project and data coming from IMAP-MPA project monitoring activities and taking into account the outcome of activities 2.1.1.1-2.1.1.4 and 2.1.2.1-2.1.2.2;</p>	ECAP MED III
									<p>1.2: Capacity building and exchange of best practices at the national, sub-regional and regional level through specific training sessions and meetings; 2.1: Integrated/joint monitoring in MPAs and high-pressure areas carried out in identified pilot sites for agreed common indicators</p>	IMAP-MPA
									<p>1.3 Update Baseline Values and establish threshold values for IMAP Candidate Indicator 24.</p>	ML MED II
									<p>1.4.3.1: Support the coordinated implementation of IMAP at regional, sub regional and national levels d) Actions of QSR 2023 roadmap related to all IMAP components with regards to scales of monitoring and assessment, data quality assurance and integrated assessment of GES developed as per agreed timelines; 2.4.1.4: Harmonize and standardize the monitoring and assessment methods of pollution and marine litter in line with IMAP</p>	POW/MTF

Reporting formats adjusted to agreed scales of monitoring and scales of assessment products (2021-2022)								2.1.2.4. Based on the outcome of testing under activity 2.1.2.3, adjust and further develop IMAP methodology on integrated assessments for discussion at CORMON and EcAp Coordination Group meetings, in view of the preparation of thematic assessment products for the 2023 MED QSR under activity 2.2.5.2;	EcAp MED III
								1.2: Capacity building and exchange of best practices at the national, sub-regional and regional level through specific training sessions and meetings; 2.1: Integrated/joint monitoring in MPAs and high-pressure areas carried out in identified pilot sites for agreed common indicators	IMAP-MPA
								1.2 Develop reporting templates, data standards and data dictionaries based on the agreed standardized monitoring protocols, including data quality assurance and quality control tools, to enable the reporting to the Secretariat of national data with regards to IMAP Candidate Indicator 24, through the IMAP (Pilots) Info System.	ML MED II
								1.4.3.1: Support the coordinated implementation of IMAP at regional, sub regional and national levels d) Actions of QSR 2023 roadmap related to all IMAP components with regards to scales of monitoring and assessment, data quality assurance and integrated assessment of GES developed as per agreed timelines; 2.4.1.4: Harmonize and standardize the monitoring and assessment methods of pollution and marine litter in line with IMAP	POW/MTF
<b>2. Integrated assessment of GES</b>								<b><i>EcAp MED III Project Output:</i></b> <i>2.1.2: Assessment criteria/thresholds/ baseline values proposed/updated for the 10 IMAP Common Indicators included in the current IMAP Pilot Info System as well as one candidate indicator (Noise)</i> <i>2.2.4: Develop and publish 2023 MED QSR in 2 languages; make it available online and present at COP 23.</i>	
Analysis of interrelations between sectors, activities, pressures, impacts and state of marine environment for each Common Indicators included in the IMAP Pilot Info System prepared (2018-2019)								2.1.1.4. Develop a proposal on integrated assessment scales as appropriate across clusters; 2.1.2.3. Test integrated assessment approaches/methodologies, including approaches to interrelate pressures/impacts/state of the marine environment, developed by UNEP/MAP (document WG.467/7 and other relevant UNEP/MAP documents in the process of elaboration, as appropriate) in three pilot areas based on the results and data coming from output 1.1 of ECAP MED III project and data coming from IMAP-MPA project monitoring activities. and taking into account the outcome of activities 2.1.1.1-	EcAp MED III

								2.1.1.4 and 2.1.2.1-2.1.2.2; 2.1.2.4. Based on the outcome of testing under activity 2.1.2.3, adjust and further develop IMAP methodology on integrated assessments for discussion at CORMON and EcAp Coordination Group meetings, in view of the preparation of thematic assessment products for the 2023 MED QSR under activity 2.2.5.2;	
								–	IMAP-MPA
								1.4.1.1 Undertake actions defined in 2023 MED QSR roadmap related to IMAP cluster on Pollution toward integrated assessment of GES	POW/MTF
Approaches for mapping the pressures/impacts/status of marine environment for the above IMAP Common Indicators defined (Rome Meeting); (2019-2020)								2.1.2.3. Test integrated assessment approaches/methodologies, including approaches to interrelate pressures/impacts/state of the marine environment, developed by UNEP/MAP (document WG.467/7 and other relevant UNEP/MAP documents in the process of elaboration, as appropriate) in three pilot areas based on the results and data coming from output 1.1 of ECAP MED III project and data coming from IMAP-MPA project monitoring activities. and taking into account the outcome of activities 2.1.1.1-2.1.1.4 and 2.1.2.1-2.1.2.2; 2.1.2.4. Based on the outcome of testing under activity 2.1.2.3, adjust and further develop IMAP methodology on integrated assessments for discussion at CORMON and EcAp Coordination Group meetings, in view of the preparation of thematic assessment products for the 2023 MED QSR under activity 2.2.5.2;	EcAp MED III
								–	IMAP-MPA
								–	ML MED II
								1.4.1.1 Undertake actions defined in 2023 MED QSR roadmap related to IMAP cluster on Pollution toward integrated assessment of GES 1.4.3.1: Support the coordinated implementation of IMAP at regional, sub regional and national levels d) Actions of QSR 2023 roadmap related to all IMAP components with regards to scales of monitoring and	POW/MTF



									assessment, data quality assurance and integrated assessment of GES developed as per agreed timelines	
Methodological concept developed and proposed to assess the interrelation of pressures/impacts/status of marine environment (2020)									2.1.2.3. Test integrated assessment approaches/methodologies, including approaches to interrelate pressures/impacts/state of the marine environment, developed by UNEP/MAP (document WG.467/7 and other relevant UNEP/MAP documents in the process of elaboration, as appropriate) in three pilot areas based on the results and data coming from output 1.1 of ECAP MED III project and data coming from IMAP-MPA project monitoring activities. and taking into account the outcome of activities 2.1.1.1-2.1.1.4 and 2.1.2.1-2.1.2.2; 2.1.2.4. Based on the outcome of testing under activity 2.1.2.3, adjust and further develop IMAP methodology on integrated assessments for discussion at CORMON and EcAp Coordination Group meetings, in view of the preparation of thematic assessment products for the 2023 MED QSR under activity 2.2.5.2;	EcAp MED III
									–	IMAP-MPA
									–	ML MED II
									1.4.1.1 Undertake actions defined in 2023 MED QSR roadmap related to IMAP cluster on Pollution toward integrated assessment of GES 1.4.3.1: Support the coordinated implementation of IMAP at regional, sub regional and national levels d) Actions of QSR 2023 roadmap related to all IMAP components with regards to scales of monitoring and assessment, data quality assurance and integrated assessment of GES developed as per agreed timelines	POW/MTF
Methodological concept to support better integration of thematic assessment products related to IMAP Common i.e. integration between Ecological Objectives (at national, sub-regional and regional scale) is agreed and tested (2020-2021)									2.1.2.3. Test integrated assessment approaches/methodologies, including approaches to interrelate pressures/impacts/state of the marine environment, developed by UNEP/MAP (document WG.467/7 and other relevant UNEP/MAP documents in the process of elaboration, as appropriate) in three pilot areas based on the results and data coming from output 1.1 of ECAP MED III project and data coming from IMAP-MPA project monitoring activities. and taking into account the outcome of activities 2.1.1.1-2.1.1.4 and 2.1.2.1-2.1.2.2; 2.1.2.4. Based on the outcome of testing under	EcAp MED III



								activity 2.1.2.3, adjust and further develop IMAP methodology on integrated assessments for discussion at CORMON and EcAp Coordination Group meetings, in view of the preparation of thematic assessment products for the 2023 MED QSR under activity 2.2.5.2;	
								1.2: Capacity building and exchange of best practices at the national, sub-regional and regional level through specific training sessions and meetings; 2.1: Integrated/joint monitoring in MPAs and high-pressure areas carried out in identified pilot sites for agreed common indicators	IMAP-MPA
								–	ML MED II
								1.4.1.1 Undertake actions defined in 2023 MED QSR roadmap related to IMAP cluster on Pollution toward integrated assessment of GES 1.4.3.1: Support the coordinated implementation of IMAP at regional, sub regional and national levels d) Actions of QSR 2023 roadmap related to all IMAP components with regards to scales of monitoring and assessment, data quality assurance and integrated assessment of GES developed as per agreed timelines	POW/MTF
Thematic assessment products are prepared (2021-2022)								1.1.4. Prepare national assessment factsheets for the selected indicators; 1.2.2. Support a baseline national, sub-regional and regional assessment for the entire list of NIS; 1.2.3. Develop national/sub-regional assessment factsheets for NIS based on the results of joint monitoring and baseline study; 2.2.4.2. Collect and analyze data per each IMAP cluster to support the development of the 2023 MED QSR, prepare thematic assessment products, and prepare 2023 MED QSR content in line with agreed assessment and aggregation methodologies;	EcAp MED III
								1.2: Capacity building and exchange of best practices at the national, sub-regional and regional level through specific training sessions and meetings; 2.1: Integrated/joint monitoring in MPAs and high-pressure areas carried out in identified pilot sites for agreed common indicators	IMAP-MPA

								1.5 Assess knowledge and data gaps for the riverine inputs of marine litter in the Mediterranean; propose relevant monitoring methodologies based on existing experience and adjust them into the Mediterranean needs; ensure synergies with the EU MSFD TGML work.	ML MED II
								1.4.1.1 Undertake actions defined in 2023 MED QSR roadmap related to IMAP cluster on Pollution toward integrated assessment of GES 1.4.3.1: Support the coordinated implementation of IMAP at regional, sub regional and national levels d) Actions of QSR 2023 roadmap related to all IMAP components with regards to scales of monitoring and assessment, data quality assurance and integrated assessment of GES developed as per agreed timelines 2.4.3.1: Update thematic assessment products related to pollution and marine litter cluster of IMAP	POW/MTF
2023 MED QSR delivered (2023)								2.2.4.1. Define the methodology, outline, structure and contents of the 2023 MED QSR; 2.2.4.2. Collect and analyze data per each IMAP cluster to support the development of the 2023 MED QSR, prepare thematic assessment products, and prepare 2023 MED QSR content in line with agreed assessment and aggregation methodologies; 2.2.4.3. Establish a web-based platform to host the contents of the 2023 MED QSR online, including procurement, design, content management and maintenance; 2.2.4.4. Review, revise and finalize 2023 MED QSR for publication and for presentation at COP23 in two languages (including editing, layout, translation and printing).	EcAp MED III
								–	IMAP-MPA
								1.5 Assess knowledge and data gaps for the riverine inputs of marine litter in the Mediterranean; propose relevant monitoring methodologies based on existing experience and adjust them into the Mediterranean needs; ensure synergies with the EU MSFD TGML work. (Data collected to feed 2023 QSR)	ML MED II
								1.4.1.2 Support the preparation of the 2023 MED QSR by capitalizing on the results of SoED 2019, MSSD Dashboard and MedECC assessment report	POW/MTF

<p><b>3. Implementation of national IMAPs throughout the Mediterranean</b></p> <p><b>6. Technical assistance and support</b></p>									<p><b>EcAp MED III Project Output:</b></p> <p><i>1.1: National and Joint Monitoring carried out of selected Common Indicator(s) (CIs) in beneficiary countries based on national IMAP</i></p> <p><i>1.2: Joint monitoring pilots designed and implemented</i></p> <p><i>1.3: Undertake baseline sub-regional assessments for CI 15 and support implementation of monitoring for CI 16 in at least one area per beneficiary country</i></p> <p><i>2.1.3: Regular regional/sub-regional expert group meetings, i.e., expert group per sub-region per topic established and operational to address monitoring and assessment scales, monitoring protocols and assessment criteria</i></p> <p><i>2.2.2: Strengthen SPI networks of scientists and policy makers for the IMAP and its implementation; Design and implement 1-2 pilots at country level;</i></p>		
<p>State of the national implementation of IMAP reported by the Contracting Parties (2018/2019, 2020/2021, 2021/2022)</p>									<p>2.1.3.1. Support organization of regular regional and sub-regional expert group meetings/workshops in order to share experience between countries and provide an opportunity to connect national-level expertise and progress with regional processes;</p> <p>2.1.4: Support to CORMON meetings per cluster ensuring strong participation and inputs to its work from expert networks established at sub regional level for the beneficiary countries</p> <p>2.1.4.1. Support organization of CORMONs (for all three clusters as well as integrated CORMON meetings);</p> <p>2.1.4.2. Support the participation of experts from country and sub-regional teams in CORMON meetings under each cluster to bring the results of their work to CORMON meetings and benefit from the discussions on cross-cutting issues.</p>	EcAp MED III	
									<p>1.2: Capacity building and exchange of best practices at the national, sub-regional and regional level through specific training sessions and meetings</p>	IMAP-MPA	
										<p>1.7 Support national Governments and competent entities in building capacity through technical assistance, training and collaboration for monitoring IMAP Candidate Indicator 24, riverine inputs, and microplastic deriving from WWTP.</p>	ML MED II
										<p>2.4.1.1: Continue supporting updated national monitoring programmes on marine litter, contaminants and eutrophication in line with IMAP, the LBS protocol and the Regional Plan on ML</p>	POW/MTF

<p>Minimum 3 sets of data on IMAP Common Indicators (EO5, EO9, EO10) reported by the Contracting Parties (2019, 2020, 2021/2022)</p>								<p>1.1.1. Design concrete monitoring plans (complementing monitoring programmes) per country, specifying monitoring sites/transects, their respective CIs, selected methodologies and protocols for their measurements, quality assurance and reporting schemes, costs of implementation and other elements necessary to build, support and implement a reliable process for implementation of monitoring activities of the project.</p> <p>1.1.2. Prepare and support implementation of field survey programmes per each beneficiary country (combining and applying specific monitoring plans).</p> <p>1.1.3. Organize national and sub-regional validation meetings/workshops. The activities indicated in points 1.1.1 and 1.1.2 above will be done at the national level and validated by national meetings/workshops with relevant institutions responsible for IMAP implementation.</p> <p>1.1.4. Prepare national assessment factsheets for the selected indicators.</p>	EcAp MED III
								<p>1.1: In depth identification at country level of the capacities required to enable IMAP implementation and facilitate the provision of reliable and quality assured data for the MED 2023 QSR</p> <p>1.2: Capacity building and exchange of best practices at the national, sub-regional and regional level through specific training sessions and meetings;</p> <p>2.1: Integrated/joint monitoring in MPAs and high-pressure areas carried out in identified pilot sites for agreed common indicators</p>	IMAP-MPA
								<p>1.1 Support countries to further advance and operationalize monitoring of IMAP Candidate Indicator 24, with a focus on the ground implementation of the operation strategy as developed during the first phase of the Marine Litter MED Project;</p> <p>1.5 Assess knowledge and data gaps for the riverine inputs of marine litter in the Mediterranean; propose relevant monitoring methodologies based on existing experience and adjust them into the Mediterranean needs; ensure synergies with the EU MSFD TGML work;</p> <p>1.7 Support national Governments and competent entities in building capacity through technical assistance, training and collaboration for monitoring IMAP Candidate Indicator 24, riverine inputs, and microplastic deriving from WWTP.</p>	ML MED II
								<p>2.4.1.1: Continue supporting updated national monitoring programmes on marine litter,</p>	POW/MTF

									contaminants and eutrophication in line with IMAP, the LBS protocol and the Regional Plan on ML	
Minimum 1 set of data (EO1 and EO2) reported by Contracting Parties (2021/2022)									<p>1.1.1. Design concrete monitoring plans (complementing monitoring programmes) per country, specifying monitoring sites/transects, their respective CIs, selected methodologies and protocols for their measurements, quality assurance and reporting schemes, costs of implementation and other elements necessary to build, support and implement a reliable process for implementation of monitoring activities of the project.</p> <p>1.1.2. Prepare and support implementation of field survey programmes per each beneficiary country (combining and applying specific monitoring plans).</p> <p>1.1.3. Organize national and sub-regional validation meetings/workshops. The activities indicated in points 1.1.1 and 1.1.2 above will be done at the national level and validated by national meetings/workshops with relevant institutions responsible for IMAP implementation.</p> <p>1.1.4. Prepare national assessment factsheets for the selected indicators.</p> <p>1.2.1. Implement the joint monitoring and assessment programme for NIS at national and sub-regional levels (East Mediterranean sub-region) for seven agreed species and support the reporting of the results and related data in the IMAP Info System;</p>	EcAp MED III
									<p>1.1: In depth identification at country level of the capacities required to enable IMAP implementation and facilitate the provision of reliable and quality assured data for the MED 2023 QSR</p> <p>1.2: Capacity building and exchange of best practices at the national, sub-regional and regional level through specific training sessions and meetings;</p> <p>2.1: Integrated/joint monitoring in MPAs and high-pressure areas carried out in identified pilot sites for agreed common indicators</p>	IMAP-MPA
									<p>3.4.1.1 Monitoring programmes for key species and habitats as well as invasive species, as provided for in the IMAP are developed and implemented, including on the effectiveness of marine and coastal protected areas, and on climate change impacts;</p> <p>3.4.3.1 Cooperate at sub-regional level to test joint monitoring activities in (a) selected area(s), thus supporting countries to implement joint monitoring programmes in line with IMAP recommendations in MPAs/SPAMIs.</p>	POW/MTF

Minimum 2 sets of data (EO7, EO8) reported by the Contracting Parties (2020, 2021/22)								1.3.1. Provide technical support to data monitoring and processing for CI 16 in line with IMAP monitoring practices, including reporting, in Algeria, Egypt, Lebanon, Libya, Morocco and Tunisia (in at least one area per beneficiary country); 1.3.2. Develop methodology and conduct baseline assessment for CI 15 in all eligible countries; 1.3.3. Prepare a report on lessons learned to be discussed at sub-regional/CORMON meetings	EcAp MED III
								1.1: In depth identification at country level of the capacities required to enable IMAP implementation and facilitate the provision of reliable and quality assured data for the MED 2023 QSR 1.2: Capacity building and exchange of best practices at the national, sub-regional and regional level through specific training sessions and meetings; 2.1: Integrated/joint monitoring in MPAs and high-pressure areas carried out in identified pilot sites for agreed common indicators	IMAP-MPA
								-	ML MED II
								4.4.2.2: Support implementation of national IMAPs Coast and Hydrography cluster	POW/MT F
Country capacity building trainings organized in line with their needs (2019-2021)								1.1.2. Prepare and support implementation of field survey programmes per each beneficiary country (combining and applying specific monitoring plans). 1.1.3. Organize national and sub-regional validation meetings/workshops. 1.2.1. Implement the joint monitoring and assessment programme for NIS at national and sub-regional levels (East Mediterranean sub-region) for seven agreed species and support the reporting of the results and related data in the IMAP Info System; 1.2.2. Support a baseline national, sub-regional and regional assessment for the entire list of NIS; 1.3.1. Provide technical support to data monitoring and processing for CI 16 including reporting in Algeria, Egypt, Lebanon, Libya, Morocco and Tunisia 2.2.2.3. Develop ToRs and set up 2 national SPI pilots in 2 beneficiary countries to support the implementation of IMAP 2.2.2.4. Organize national thematic events/workshops in line with the respective country priorities and needs	EcAp MED III
								1.2: Capacity building and exchange of best practices at the national, sub-regional and regional level through specific training sessions and meetings	IMAP-MPA

									1.7 Support national Governments and competent entities in building capacity through technical assistance, training and collaboration for monitoring IMAP Candidate Indicator 24, riverine inputs, and microplastic deriving from WWTP.	ML/MED II
									2.4.1.1: Continue supporting updated national monitoring programmes on marine litter, contaminants and eutrophication in line with IMAP, the LBS protocol and the Regional Plan on ML; 2.4.1.3: Undertake harmonized and coordinated quality assurance programmes (contaminants, ML, eutrophication) at regional, sub-regional and national levels; 2.5.1.1 Support countries in the implementation of IMAP with a particular focus on scales of assessment, offshore monitoring, integration of indicators towards GES and joint monitoring; 3.5.1.1 Capacity-building programmes related to the development and management of marine and coastal protected areas, to the conservation and monitoring of endangered and threatened coastal and marine species and key habitats, and to monitoring issues dealing with climate change and biodiversity developed and implemented, including pilots to support efforts aimed at MPA/SPAMI establishment and implementation; 4.4.2.2: Support implementation of national IMAPs Coast and Hydrography cluster	POW/MTF
Sub-regional/regional workshops and trainings, in areas of common capacity needs and knowledge gaps, organized (minimum 2 per sub-region), (2019-2021)									1.1.3. Organize national and sub-regional validation meetings/workshops. 1.2.1. Implement the joint monitoring and assessment programme for NIS at national and sub-regional levels (East Mediterranean sub-region) for seven agreed species and support the reporting of the results and related data in the IMAP Info System; 1.2.2. Support a baseline national, sub-regional and regional assessment for the entire list of NIS; 2.1.3.1. Support organization of regular regional and sub-regional expert group meetings/workshops in order to share experience between countries and provide an opportunity to connect national-level expertise and progress with regional processes; this activity will be implemented in conjunction with output 2.2.3 of this project, and to the extent possible, meetings will be organized back-to-back with CORMON meetings under activity 2.1.4.1;	EcAp MED III
									1.2: Capacity building and exchange of best practices at the national, sub-regional and regional level through specific training sessions and meetings	IMAP-MPA



									2.5.1.1 Support countries in the implementation of IMAP with a particular focus on scales of assessment, offshore monitoring, integration of indicators towards GES and joint monitoring	POW/MTF
Joint monitoring pilots designed and implemented (minimum 2 in participating countries), (2019-2021)									1.2.1. Implement the joint monitoring and assessment programme for NIS at national and sub-regional levels (East Mediterranean sub-region) for seven agreed species and support the reporting of the results and related data in the IMAP Info System; 1.2.2. Support a baseline national, sub-regional and regional assessment for the entire list of NIS; 1.2.3. Develop national/sub-regional assessment factsheets for NIS based on the results of joint monitoring and baseline study.	EcAp MED III
									2.1: Piloting the joint monitoring of biodiversity and pollution in MPAs and high-pressure areas	IMAP-MPA
									–	ML MED II
									2.5.1.1 Support countries in the implementation of IMAP with a particular focus on scales of assessment, offshore monitoring, integration of indicators towards GES and joint monitoring; 3.4.3.1 Cooperate at sub-regional level to test joint monitoring activities in (a) selected area(s), thus supporting countries to implement joint monitoring programmes in line with IMAP recommendations in MPAs/SPAMIs.	POW/MTF
<b>4. IMAP Info System</b> <b>5. Monitoring Protocols and Data Quality Assurance and Quality Control</b>									<b><i>EcAp MED III Project Output:</i></b> <i>1.4: IMAP Info System expanded to include all mandatory CI of IMAP, fully operational enabling the Contracting Parties to report their monitoring data in 2020, 2021 and 2022.</i>	
IMAP information and data sharing policy developed (2019)									1.4.6. Implement the IMAP Data sharing Policy and optimize IMAP Info System operations for the receipt and hosting of reported data and information for the project beneficiary countries.	EcAp MED III
									–	IMAP-MPA
									–	ML MED II
									1.1.2.9 Develop the MAP data management policy, including the IMAP InfoSystem; 1.4.3.1: Support the coordinated implementation of IMAP at regional, sub regional and national levels	POW/MTF

										e) related data sharing policy reviewed and implemented	
IMAP Pilot Info system ready to upload monitoring data (end of 2019)										1.4.1. Upgrade the hardware and software (HW&SW) platform to support data collection and data consultation with web GIS platform and dashboards;	Ecap MED III
										-	IMAP-MPA
										-	ML MED II
										1.5.1.2 Complete IMAP Info System development for all IMAP Common Indicators and further develop data dictionaries, information standards and quality controls	POW/MTF
Data dictionaries and data standards finalized for all IMAP Common Indicators (mid 2021)										1.4.2. Develop Data Standards (DSs) and Data Dictionaries (DDs) for all IMAP CIs that have not been included in current IMAP Pilot Info System (CI 3, 4, 5, 18, 19, 20), harmonized with MSFD standards wherever possible, and implement the related data flows; 1.4.4. Define and implement Quality Assurance and Quality Control procedures for application in the IMAP Info System for the full set of Data Standards (DSs) and Data Dictionaries (DDs) of IMAP CIs (EO3 not included);	Ecap MED III
										-	IMAP-MPA
										1.2 Develop reporting templates, data standards and data dictionaries based on the agreed standardized monitoring protocols, including data quality assurance and quality control tools, to enable the reporting to the Secretariat of national data with regards to IMAP Candidate Indicator 24, through the IMAP (Pilots) Info System.	ML MED II
										1.5.1.2 Complete IMAP Info System development for all IMAP Common Indicators and further develop data dictionaries, information standards and quality controls; 2.4.1.2: Consolidate data dictionaries and data standards for all IMAP CI related to pollution and apply data quality control schemes	POW/MTF

IMAP Pilot Info System updated to cover all IMAP Common Indicators (mid-2022)								1.4.1. Upgrade the hardware and software (HW&SW) platform to support data collection and data consultation with web GIS platform and dashboards; 1.4.2. Develop Data Standards (DSs) and Data Dictionaries (DDs) for all IMAP CIs that have not been included in current IMAP Pilot Info System (CI 3, 4, 5, 18, 19, 20), harmonized with MSFD standards wherever possible, and implement the related data flows; 1.4.4. Define and implement Quality Assurance and Quality Control procedures for application in the IMAP Info System for the full set of Data Standards (DSs) and Data Dictionaries (DDs) of IMAP CIs (EO3 not included);	EcAp MED III
								–	IMAP-MPA
								1.2 Develop reporting templates, data standards and data dictionaries based on the agreed standardized monitoring protocols, including data quality assurance and quality control tools, to enable the reporting to the Secretariat of national data with regards to IMAP Candidate Indicator 24, through the IMAP (Pilots) Info System.	ML MED II
								1.5.1.2 Complete IMAP Info System development for all IMAP Common Indicators and further develop data dictionaries, information standards and quality controls	POW/MTF
IMAP Info System fully operational enabling the Contracting Parties to report their monitoring data in 2020, 2021 and 2022								1.4.1. Upgrade the hardware and software (HW&SW) platform to support data collection and data consultation with web GIS platform and dashboards; 1.4.2. Develop Data Standards (DSs) and Data Dictionaries (DDs) for all IMAP CIs that have not been included in current IMAP Pilot Info System (CI 3, 4, 5, 18, 19, 20), harmonized with MSFD standards wherever possible, and implement the related data flows; 1.4.3. Assess the capacity, compatibility and interoperability with IMAP Info System of National information systems for the IMAP CI based on analysis of national data collection systems at country level; 1.4.4. Define and implement Quality Assurance and Quality Control procedures for application in the IMAP Info System for the full set of Data Standards (DSs) and Data Dictionaries (DDs) of IMAP CIs (EO3 not included); 1.4.5. Provide dedicated support to beneficiary countries to use the IMAP Info System and collect,	EcAp MED III

									transfer and validate data using data flows on the final set of CIs;	
									–	IMAP-MPA
									1.2 Develop reporting templates, data standards and data dictionaries based on the agreed standardized monitoring protocols, including data quality assurance and quality control tools, to enable the reporting to the Secretariat of national data with regards to IMAP Candidate Indicator 24, through the IMAP (Pilots) Info System.	ML MED II
									1.5.1.2 Complete IMAP Info System development for all IMAP Common Indicators and further develop data dictionaries, information standards and quality controls	POW/MTF
Monitoring Protocols drafted for IMAP Common Indicators included in the IMAP pilot Info System; (2018/2019)									–	EcAp MED III
									–	IMAP-MPA
									–	ML MED II
									2.4.1.4: Harmonize and standardize the monitoring and assessment methods of pollution and marine litter in line with IMAP	POW/MTF
Quality Assurance and Quality Control schemes in place for IMAP Common Indicators included in the IMAP								1.4.4. Define and implement Quality Assurance and Quality Control procedures for application in the IMAP Info System for the full set of Data Standards (DSs) and Data Dictionaries (DDs) of IMAP CIs (EO3 not included);	EcAp MED III	

Pilot Info System (2019-2020)								1.2: Capacity building and exchange of best practices at the national, sub-regional and regional level through specific training sessions and meetings	IMAP-MPA
								-	ML MED II
								1.4.3.1: Support the coordinated implementation of IMAP at regional, sub regional and national levels d) Actions of QSR 2023 roadmap related to all IMAP components with regards to scales of monitoring and assessment, data quality assurance and integrated assessment of GES developed as per agreed timelines 1.5.1.2 Complete IMAP Info System development for all IMAP Common Indicators and further develop data dictionaries, information standards and quality controls; 2.4.1.2: Consolidate data dictionaries and data standards for all IMAP CI related to pollution and apply data quality control schemes; 2.4.1.3: Undertake harmonized and coordinated quality assurance programmes (contaminants, ML, eutrophication) at regional, sub-regional and national levels	POW/MTF
Quality Assurance and Quality Control schemes expanded to cover all IMAP Common Indicators (2021-2022)								1.4.4. Define and implement Quality Assurance and Quality Control procedures for application in the IMAP Info System for the full set of Data Standards (DSs) and Data Dictionaries (DDs) of IMAP CIs (EO3 not included);	EAp MED III
								-	IMAP-MPA
								1.2 Develop reporting templates, data standards and data dictionaries based on the agreed standardized monitoring protocols, including data quality assurance and quality control tools, to enable the reporting to the Secretariat of national data with regards to IMAP Candidate Indicator 24, through the IMAP (Pilots) Info System.	ML MED II
								1.5.1.2 Complete IMAP Info System development for all IMAP Common Indicators and further develop data dictionaries, information standards and quality controls; 2.4.1.2: Consolidate data dictionaries and data standards for all IMAP CI related to pollution and apply data quality control schemes	POW/MTF

<p><b>7. Outreach and visibility</b></p>										<p><b>EcAp MED III Project Output:</b>                  2.2.1: Establish and implement a communication and visibility strategy for the MED 2023 QSR; Outreach to key partners is undertaken and relevant meetings held                  2.2.2: Strengthen SPI networks of scientists and policy makers for the IMAP and its implementation; Design and implement 1-2 pilots at country level                  2.2.3: Develop and implement a time-line for regional data sharing between partners</p>		
<p>Timeline for data-sharing with regional partners defined (2019-2021)</p>										<p>2.2.3.1. Map sources of data and partners to address 2023 MED QSR data gaps, and establish mechanisms and a timeline for data sharing, technical advice and peer review; this activity will be implemented in conjunction with and building on the results of outputs 2.2.1 and 2.2.2;</p>	EcAp MED III	
										-	IMAP-MPA	
											-	ML MED II
											-	POW/MTF
<p>Agreements reached with Regional Partners (2020)</p>										<p>2.2.3.1. Map sources of data and partners to address 2023 MED QSR data gaps, and establish mechanisms and a timeline for data sharing, technical advice and peer review; this activity will be implemented in conjunction with and building on the results of outputs 2.2.1 and 2.2.2;</p>	EcAp MED III	
										-	IMAP-MPA	
											-	ML MED II
											<p>1.3.1.2 Undertake periodic reviews of bilateral cooperation with partner organizations to enhance synergies and impact on the ground on areas of common interest</p>	POW/MTF
<p>Communication and visibility strategy for the 2023 MED QSR developed and agreed (2021)</p>										<p>2.2.1.1. Develop and implement a communication and visibility strategy for the 2023 MED QSR</p>	EcAp MED III	
										-	IMAP-MPA	
											-	ML MED II
											-	POW/MTF

Outreach to key partners is undertaken and relevant meetings held (2019-2020)								2.2.1.2. Develop and implement a collaboration mechanism and Partnership Plan for the 2023 MED QSR; this will be done building on the mapping of projects and institutions conducted under output 2.2.3; 2.2.1.1. Develop and implement a communication and visibility strategy for the 2023 MED QSR	Ecap MED III
								-	IMAP- MPA
								-	ML MED II
								1.3.1.2 Undertake periodic reviews of bilateral cooperation with partner organizations to enhance synergies and impact on the ground on areas of common interest	POW/MTF
Communication and visibility strategy for the 2023 MED QSR is implemented (2021-2023)								2.2.1.1. Develop and implement a communication and visibility strategy for the 2023 MED QSR	Ecap MED III
								-	IMAP- MPA
								-	ML MED II
								-	POW/M TTF
2023 MED QSR published in 2 languages and on line available and presented at COP 23								2.2.4.1. Define the methodology, outline, structure and contents of the 2023 MED QSR; 2.2.4.2. Collect and analyze data per each IMAP cluster to support the development of the 2023 MED QSR, prepare thematic assessment products, and prepare 2023 MED QSR content in line with agreed assessment and aggregation methodologies; 2.2.4.3. Establish a web-based platform to host the contents of the 2023 MED QSR online, including procurement, design, content management and maintenance; 2.2.4.4. Review, revise and finalize 2023 MED QSR for publication and for presentation at COP23 in two languages (including editing, layout, translation and printing).	Ecap MED III
								-	IMAP- MPA
								-	ML MED II
								1.4.1.2 Support the preparation of the 2023 MED QSR by capitalizing on the results of SoED 2019, MSSD Dashboard and MedECC assessment report	POW/MTF



<p><b>8. Effective Regional Collaboration</b></p>									<p><b>EcAp MED III Project Outputs:</b>  <i>2.1.3: Regular regional/sub-regional expert group meetings, i.e., expert group per sub-region per topic established and operational to address monitoring and assessment scales, monitoring protocols and assessment criteria</i>  <i>2.1.4: Support to CORMON meetings per cluster ensuring strong participation and inputs to its work from expert networks established at sub regional level for the beneficiary countries</i>  <i>2.2.2: Strengthen SPI networks of scientists and policy makers for the IMAP and its implementation; Design and implement 1-2 pilots at country level</i></p>	
<p>CORMON meetings are held (minimum 1/year/cluster between 2019-2022)</p>									<p>2.1.4.1. Support organization of CORMONs (for all three clusters as well as integrated CORMON meetings) to review and support the deliverables under this outcome; this will be done in conjunction with MAP PoW related activities as well as output 2.2.3 of this project; at no cost for participation of non-eligible country representatives;                  2.1.4.2. Support the participation of experts from country and sub-regional teams in CORMON meetings under each cluster to bring the results of their work to CORMON meetings and benefit from the discussions on cross-cutting issues.</p>	<p>EcAp MED III</p>
								<p>–</p>	<p>IMAP-MPA</p>	
									<p>–</p>	<p>ML MED II</p>
									<p>2.4.1.4: Harmonize and standardize the monitoring and assessment methods of pollution and marine litter in line with IMAP;                  3.4.1.1 Monitoring programmes for key species and habitats as well as invasive species, as provided for in the IMAP are developed and implemented, including on the effectiveness of marine and coastal protected areas, and on climate change impacts;                  4.4.2.2: Support implementation of national IMAPs Coast and Hydrography cluster</p>	<p>POW/MTF</p>
<p>Integrated CORMON meetings are held (minimum 1/biennium 2020, 2022)</p>									<p>2.1.4.1. Support organization of CORMONs (for all three clusters as well as integrated CORMON meetings) to review and support the deliverables under this outcome; this will be done in conjunction with MAP PoW related activities as well as output 2.2.3 of this project; at no cost for participation of non-eligible country representatives;                  2.1.4.2. Support the participation of experts from country and sub-regional teams in CORMON meetings under each cluster to bring the results of</p>	<p>EcAp MED III</p>

								their work to CORMON meetings and benefit from the discussions on cross-cutting issues.	
								-	IMAP-MPA
								-	ML MED II
								1.4.3.1: Support the coordinated implementation of IMAP at regional, sub regional and national levels a) Coordinated approach followed to organize CORMON meetings	POW/MTF
Ecosystem Approach Coordination Group meetings are held (minimum 1/year between 2019-2023)								1.1.2.3 Organize the Meeting of the MAP Focal Points preceded by the MAP Component/Thematic Focal Points and the EcAp Coordination Group Meetings	
Sub-regional expert groups to address monitoring and assessment sub-regional specifics, including scales of assessment products and their integration, are held (minimum 1/biennium for all 4 sub-regions in integrated manner, for all clusters)								2.1.3.1. Support organization of regular regional and sub-regional expert group meetings/workshops in order to share experience between countries and provide an opportunity to connect national-level expertise and progress with regional processes; this activity will be implemented in conjunction with output 2.2.3 of this project, and to the extent possible, meetings will be organized back-to-back with CORMON meetings under activity 2.1.4.1; 2.2.2.1. Identify relevant existing SPI related frameworks, processes and institutions at national level; 2.2.2.2. Provide inputs to CORMONs and EcAp CG meetings on issues related to regional/sub-regional topic-specific SPI work	EcAp MED III
								1.2: Capacity building and exchange of best practices at the national, sub-regional and regional level through specific training sessions and meetings	IMAP-MPA
								-	ML MED II
								1.4.4.2 Contribute to strengthen Science Policy Interface in the Mediterranean with regards to IMAP implementation and for feeding the knowledge gap to promote effective measures to achieve GES; 2.5.1.1 Support countries in the implementation of	POW/MTF

									IMAP with a particular focus on scales of assessment, offshore monitoring, integration of indicators towards GES and joint monitoring	
Online expert groups are held for each cluster, to ensure continuous work between CORMON meetings (to be re-established in CORMONs in 2019)									2.1.3.1. Support organization of regular regional and sub-regional expert group meetings/workshops in order to share experience between countries and provide an opportunity to connect national-level expertise and progress with regional processes; this activity will be implemented in conjunction with output 2.2.3 of this project, and to the extent possible, meetings will be organized back-to-back with CORMON meetings under activity 2.1.4.1; 2.2.2.1. Identify relevant existing SPI related frameworks, processes and institutions at national level; 2.2.2.2. Provide inputs to CORMONs and EcAp CG meetings on issues related to regional/sub-regional topic-specific SPI work	EcAp MED III
									1.2: Capacity building and exchange of best practices at the national, sub-regional and regional level through specific training sessions and meetings	IMAP-MPA
									–	ML MED II
									2.5.1.1 Support countries in the implementation of IMAP with a particular focus on scales of assessment, offshore monitoring, integration of indicators towards GES and joint monitoring	POW/MTF
Bilateral meetings on MoU implementation are held, new MoUs are considered and partnerships with key partners are further strengthened									2.2.1.2. Develop and implement a collaboration mechanism and Partnership Plan for the 2023 MED QSR	EcAp MED III
									–	IMAP-MPA
									–	ML MED II
									1.3.1.2 Undertake periodic reviews of bilateral cooperation with partner organizations to enhance synergies and impact on the ground on areas of common interest	POW/MTF
Progress reports are submitted to the meetings of the Bureau of the Contracting Parties, the meetings of the MAP									Throughout project duration	EcAp MED III
									Throughout project duration	IMAP-MPA

