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### Annex 1. ROADMAP PROGRESS DESCRIPTORS AND THE MAIN SOURCES OF INFORMATION

	DESCRIPTORS/INDICATORS	MAIN SOURCES OF INFORMATION
1	<p><b>Roadmap VISION</b></p> <p><i>"By 2020 a connected, ecologically representative, effectively managed and monitored network of MPAs ensuring long term conservation of the key components of the marine biodiversity and gives solid support to the sustainable development of the region»</i></p> <p><i>"Stronger political commitment, further effort on a national level and greater cooperation, coordination and mutual assistance on a Med. level are needed"</i></p> <p style="text-align: right;"><b>Synergies with the ..... →</b></p>	<ul style="list-style-type: none"> <li>• CBD objectives Aichi 2020 / EBSAs / Sust. Ocean Initiat. Action Plan 2015-20</li> <li>• UN Develop. Objectives Goal 14 (Oceans) / UNFCC / IPCC 2016 / UNCLOS (2018) MPAs in BD-BNJ / Ocean Sanctuary Alliance</li> <li>• FAO: GFCM / Restricted Fisheries Areas</li> <li>• BarCon Roadmap 2016 / its Relation to MPA PoW 2009 (Evaluat.2015)</li> <li>• OSPAR, HELCOM, Black Sea, MAIA, Caribbean, Rampao.</li> <li>• EU Directives: N2000 / Marine Spatial Planning / Marine Strategy Framework Directive</li> <li>• EU Strategies: Biodiversity / Adriatic-Ionian / Medit. Minist. Conf. Blue Economy Declaration</li> <li>• ACCOBAMS, Bern and Ramsar.</li> <li>• IUCN Promise of Sydney / Nature Based solutions in Med / Panorama initiative</li> </ul>
2	<p><b>Strategic Obj.1</b> - Establish an MPA ecological network which is representative and connected</p> <p>Action: Undertake national gap analyses to identify the ecosystems and other components of marine</p>	<ul style="list-style-type: none"> <li>• CBD indicators for the strategic plan for biodiversity 2011-2020:</li> <li>• Ocean Sanctuary Alliance</li> </ul>

	<p>biodiversity that are under-represented in the existing MPA system</p> <p>Action: Establish and implement national plans to designate and/or extend MPAs</p> <p>Action Regional: Develop agreements to put in place harmonised methods to identify and then assess the representativeness of the network, its connectivity and promote them nationally.</p> <p>Action Regional: Assistance to Nat'l authorities</p>	<ul style="list-style-type: none"> <li>• MAPAMED</li> <li>• The MPA Status 2016</li> <li>• IUCN study on legal frameworks for MPAs (<i>Brossac et Jeudy de Grissac 2015</i>)</li> <li>• 2016 Potsdam Ocean Governance Workshop - Background Sessions</li> </ul>
3	<p><b>MPA extension</b> - Aichi target 10%</p> <p>Action : Strengthen coverage, reputability and reliability of habitat and species inventories</p>	<ul style="list-style-type: none"> <li>- MAPAMED</li> <li>- MedPAN MPA Status 2016</li> <li>- EBSAs</li> </ul>
4	<p><b>Representativity:</b> Under-represented ecosystems, hotspots, and other components of marine BD, including areas beyond national jurisdiction (ABNJ) Action : Disseminate technical tools for MPA system planning</p>	<ul style="list-style-type: none"> <li>- 2015 evaluation of the Regional PoW 2009</li> <li>- MAPAMED</li> <li>- MPA Status 2016</li> <li>- MPAs BNJ in UNCLOS to be adopted by the UN General Assembly in 2018:</li> <li>- CBD-EBSAs</li> </ul>
5	<p><b>Connectivity</b> Ecological coherence of the MPA system (representativity, connectivity)</p>	<ul style="list-style-type: none"> <li>- Review of recent scientific literature (MedPAN background)</li> <li>- MPA Status 2016</li> <li>- CBD-EBSAs</li> </ul>
6	<p><b>Data bases:</b> Inventories (habitats and species, mapping) Action regional: Develop and maintain the MPAs national and regional databases (MAPAMED) and ensure that they are integrated into the IUCN and UNEP global protected area databases (WDPA)</p>	<ul style="list-style-type: none"> <li>- Questionnaires</li> <li>- MAPAMED / WDPA</li> <li>- BarCon online reporting / COP 19 Reports</li> <li>- MPA Status 2016</li> <li>- EU mid-term review of the BD Strategy 2020</li> </ul>
7	<p><b>Monitoring</b> Improved MPA quality and spatial coverage Monitoring of spp, hábitats, and uses (in and around MPAs) Scientifically based indicators ? / Baseline? Science in the management body ?</p>	<ul style="list-style-type: none"> <li>- MAPAMED</li> <li>- MPA Status 2016</li> <li>- BarCon COP 19 National Reports</li> <li>- 2012 Claudet et al</li> </ul>
8	<p><b>Monitoring systems :</b> MPA level National level Proposals for standardized monitoring systems (national or regional level)</p>	<ul style="list-style-type: none"> <li>- Questionnaires</li> <li>- MPA Status 2016</li> <li>- Guide for quick evaluation of MPA management – IUCN Malaga</li> </ul>
9	<p><b>Ecosystem services</b> evaluations Action National : Develop evaluations on ecosystem services and values as in TEEB (Economics of Ecosystems and biodiversity) approaches on coastal and marine issues</p>	<ul style="list-style-type: none"> <li>- Questionnaires</li> <li>- MPA Status 2016</li> <li>- MAPAMED</li> </ul>

	<p><b>Strategic Objective 2</b> - An effective, efficient and sustainable management and a good governance in Med. MPAs</p>	<ul style="list-style-type: none"> <li>• CBD indicators for the strategic plan for biodiversity 2011-2020:</li> </ul>
	<p><b>Management</b></p> <p>Is there a management plan? Is it endorsed by a legal provision?</p>	<ul style="list-style-type: none"> <li>- MAPAMED</li> <li>- MPA Status 2016</li> <li>- Questionnaires</li> <li>- EBSAs on-line data (CBD)</li> </ul>

Assessments of management systems	<ul style="list-style-type: none"> <li>- Regional (MPA Status 2016 )</li> <li>- National: BarCon COP 19 National Reports</li> <li>- National assessments in Spain</li> <li>- FAO / GFCM</li> </ul>
<p><b>Simplifying institutional frameworks</b></p> <p>Regional Action : Institutional agreements for the protection of BD in MPAs in ABNJ in transnational pilot sites</p> <p>Local : Management Body has some sort of power, or can rule over other sector's activities</p> <ul style="list-style-type: none"> <li>• Can MPAs regulate fisheries, visits, pollution ?</li> <li>• Are other institutions in the National SC ?</li> <li>• Are they in the local management body ?</li> <li>• MPA is recognised by local planning authorities and taken in account in local planning policies?</li> </ul>	<ul style="list-style-type: none"> <li>- MPA Status 2016</li> <li>- BarCon COP 19 National Reports</li> <li>- MedPAN Enforcement Assessment 2014</li> </ul>
Action: competent management teams with <b>adequate staffing</b>	<ul style="list-style-type: none"> <li>- MPA Status 2016</li> <li>- BarCon COP 19 National Reports</li> <li>- MedPAN Enforcement Assessment 2014</li> </ul>
Action: Develop, regularly update MPA <b>management plans</b> and business plans	<ul style="list-style-type: none"> <li>- MPA Status 2016</li> <li>- BarCon COP 19 National Reports</li> </ul>
<p><b>Enforcement</b> of regulations;</p> <p>Action : Evaluate MPA management efficiency and enhance the visibility of measurable results and evolutions</p> <p>Action: Strengthen the State's decentralized institutions and local authorities in their surveillance duties</p>	<ul style="list-style-type: none"> <li>- Enforcement Assessment (MedPAN 2014)</li> <li>- MPA Status 2016</li> <li>- BarCon COP 19 National Reports</li> </ul>
<p>Local Action: <b>Stakeholder involvement</b> and formal consultation processes</p> <p>National: Develop communication and raising awareness activities targeting the local population, visitors, schools, fishermen, decision makers, donors, etc</p>	<ul style="list-style-type: none"> <li>- MPA Status 2016</li> <li>- BarCon COP 19 National Reports</li> <li>- Enforcement Assessment (MedPAN 2014)</li> <li>- Stakeholder involvement in Côte Bleu</li> </ul>
<p><b>Co-management</b> practices: fisheries, sea patrolling, tourism sector</p>	<ul style="list-style-type: none"> <li>- MPA Status 2016</li> <li>- BarCon COP 19 National Reports</li> <li>- GFCM 2016 (Font and Lloret)</li> <li>- Fisheries (T. Guaceto and Gokova) in: <a href="http://www.medpan.org/documents/10180/0/Fishermen+engagement+in+Mediterranean+MPAs/5dcd49a5-2fc8-4211-83ab-0956bcc80a48">http://www.medpan.org/documents/10180/0/Fishermen+engagement+in+Mediterranean+MPAs/5dcd49a5-2fc8-4211-83ab-0956bcc80a48</a></li> </ul>
<p>Learning and <b>Capacity building</b> :</p> <p>Regional: Compile and disseminate information on lessons learnt in the context of MPA management, including success and failure stories (capitalisation, exchanges of experience,...)</p>	<ul style="list-style-type: none"> <li>- Rac/Spa-MedPAN-WWF Cap.Building Strategy</li> <li>- MPA Status 2016</li> <li>- BarCon COP 19 National Reports</li> </ul>
<b>Financial plans</b>	<ul style="list-style-type: none"> <li>- MPA Status 2016</li> <li>- BarCon COP 19 National Reports</li> <li>- MedPAN 2016 "Identification-Analysis of MPAs financial needs/gaps"</li> </ul>
<b>Strategic Objective 3</b> – Develop a territorially and sectorially integrated governance of Med. MPAs while promoting the sharing of environmental and socio-economic benefits	<ul style="list-style-type: none"> <li>- BarCon ICZM Protocol</li> <li>- EU Directive establishing a framework for Maritime Spatial Planning</li> </ul>
<p><b>Integrate other public policies:</b></p> <p>ICZM and binding <u>spatial planning</u></p> <p>Studies on Environmental Services</p> <p>Any new taxation or subsidies policies</p> <p>Information integrated in Nat'l systems</p> <p>Action National level: Integrate policies, build institutional</p>	<ul style="list-style-type: none"> <li>- European Maritime and Fisheries Fund (EMFF) and Common Fisheries Policy (EU 2014-2020)</li> <li>- ICZM Protocol reports (BarCon)</li> <li>- Questionnaires</li> <li>- 2016 MPA Status</li> </ul>

bridges and clarify governance between sectorial policies Action: Information & communication campaigns	<ul style="list-style-type: none"> <li>- Other provided by the SC members</li> <li>- EU Maritime Spatial Planning Directive</li> </ul>
<u>Regional level</u> : categorisation system for MPAs based on their objectives, management methods and regulation, to harmonise with IUCN categories, etc.	<ul style="list-style-type: none"> <li>- MPA Status 2016</li> </ul>
Socioeconomic benefits ? Professional fisheries?	<ul style="list-style-type: none"> <li>- MPA Status 2016</li> <li>- GFCM 2016 (Font and Lloret)</li> </ul>
Ecosystem-based management Info mapped and in regional databases (MAPAMED)	<ul style="list-style-type: none"> <li>- <b>Common methods missing</b></li> <li>- MedPAN MPA and Climate Change Workshop in Cadaques</li> <li>- T-MedNet project</li> </ul>
Integrative approaches to MPA co-management	<ul style="list-style-type: none"> <li>- <b>Some case study</b></li> </ul>
Taxation policies ? Replacing subsidies? <u>Action national level</u> : Review national subsidies and progressively phase out harmful elements linked to marine and coastal habitats <u>Regional</u> : Develop new taxation/contributive mechanisms associated with the maritime transport and cruise sectors <u>Regional</u> : Define a contribution from the sector associated with the bluefin tuna industry and large pelagics in general	<ul style="list-style-type: none"> <li>- Questionnaire</li> <li>- MPA Status 2016</li> <li>- EU Common Fisheries Policy</li> <li>- Barcon Cop 19 Reports</li> </ul>
National level: Marine zoning legal ? Local : MPA zoning existing ?	<ul style="list-style-type: none"> <li>- Questionnaires</li> <li>- MPA Status 2016</li> <li>- EU Maritime Spatial Planning Directive</li> </ul>
<b>Capacity building</b>  Financial plans Training initiatives Exchange of experiences <u>Action regional level</u> : Develop exchanges of experience of MPA management plans and business plans <u>Regional</u> : Establish a regional capacity building mechanism for MPA managers <u>Regional</u> : Support the dissemination of information, exchanges of experience and capacity building on financing mechanisms and diversification of financial sources for MPAs on a national and local level,	<ul style="list-style-type: none"> <li>- Questionnaires</li> <li>- Barcon Cop 19 National Reports</li> <li>- Key RAC/SPA and MedPAN assessments, such as the "<i>Capacity Building Strategy for Med MPAs</i>" (2013) and the "<i>Identification-Analysis of MPAs financial needs/gaps</i>" (2016)</li> <li>- Med MPA Trust Fund (France, Monaco, Tunisia)</li> <li>- Donor priorities (OECD, UN, Foundations, and NGOs)</li> <li>- Other trust funds, PES, earmarked taxes, etc</li> <li>- EU Blue growth</li> </ul>
<b>Strategic Objective 4</b> - Increase the allocation of financial resources to establish and maintain an ecological network of effectively managed MPAs	<ul style="list-style-type: none"> <li>- MedPAN 2016 "<i>Identification-Analysis of MPAs financial needs/gaps</i>"</li> <li>- EU Blue growth</li> <li>- Vertigo questionnaires on financial issues at the National level</li> </ul>
Local : how much budget ? Regional : <b>Identify financial needs and gaps</b> Action National; Gap analyses on existing information help to produce national strategies for sustainable funding	<ul style="list-style-type: none"> <li>- MedPAN 2016 "<i>Identification-Analysis of MPAs financial needs/gaps</i>"</li> <li>- MedPAN Status 2016</li> <li>- BarCon COP 19 national Reports</li> </ul>
International AID allocations (quantitative) Regional: Improve the coordination of funding policies between donors and suitable measures for complex processes	<ul style="list-style-type: none"> <li>- AID and OECD</li> <li>- Regional conservation Donors</li> <li>- MPA 2016 "<i>Identification-Analysis of MPAs financial needs/gaps</i>"</li> <li>- MedPAN Status 2016</li> </ul>
Regional Foundations	<ul style="list-style-type: none"> <li>- Foundations</li> <li>- MedPAN 2016 <i>Identification-Analysis of MPAs financial needs/gaps</i>"</li> </ul>

Regional / National levels: <b>Training</b> key stakeholders on a local, national level and influential institutions on a national level on sustainable financing systems for MPAs	<ul style="list-style-type: none"> <li>- Rac/Spa-MedPAN-WWF Cap.Build.Strat. 2014</li> <li>- MPA 2016 <i>"Identification-Analysis of MPAs financial needs/gaps"</i></li> </ul>
<p><b>Diversity of sources</b></p> <p><u>Local level</u>: Develop pilot projects, testing on a MPA level and/or local communities (payment for services, taxes, sponsor, donation systems, trust funds, ...)</p> <p><u>National level</u>: Establish national experiments for innovative financing mechanisms in polluter/payer contributions</p>	<ul style="list-style-type: none"> <li>- BarCon COP 19 National Reports</li> <li>- MedPAN 2016 <i>"Identification-Analysis of MPAs financial needs/gaps"</i></li> <li>- MedPAN Status 2016</li> </ul>
Trust Funds. Regional : Undertake a feasibility assessment and set up a Mediterranean fund	<ul style="list-style-type: none"> <li>- MedPAN 2016 <i>"Identification-Analysis of MPAs financial needs/gaps"</i></li> <li>- MedPAN Status 2016</li> </ul>
Amount of National allocations, as presented to BarCon	<ul style="list-style-type: none"> <li>- MedPAN 2016 <i>"Identification-Analysis of MPAs financial needs/gaps"</i></li> <li>- MedPAN Status 2016</li> <li>- BarCon COP 19 National Reports</li> </ul>