

# Capitalization Conference:

## *Marine Protected Areas in the climate change era: challenges & opportunities*

Barcelona – 4<sup>th</sup> & 5<sup>th</sup> June 2019

### Background

Over the upcoming decades, climate change (CC) will represent a rapidly increasing challenge for the ecosystems and the livelihoods in the Mediterranean area. Direct evidence of climate change is already being observed in the Mediterranean coast and in Marine Protected Areas (MPAs). There is a consensus at global (Convention on Biological Diversity), European Union (Directive on Birds and Habitats) and Mediterranean (UNEP/MAP, MAPII, MSSD; Barcelona Convention) levels to strengthen the MPAs as key tools to prevent further biodiversity loss and maintain ecosystem.

Although the EU policy, Marine Spatial Planning (MSP) and Marine Strategy Framework Directive (MSFD), provides the framework to address climate change effects, their current implementation is essentially missing. Likewise, recent projects (e.g., PlasticBuster MPAs, EcoSUTAIN, MPA-ADAPT, AMAR) highlighted most MPAs lack of specific adaptation plans to CC.

The [MPA-Adapt project](#) was developed to tackle those challenges through a **multi-level approach**. Five MPAs from three Mediterranean countries were chosen to act as pilot sites for the development of climate change adaptation action plans and their integration into existing management frameworks.

In order to achieve this, they have been **monitoring the effects of the CC** with a set of fine-tuned protocols; undergoing **Biodiversity & Socio-economic vulnerability assessments** to CC and **improving the capacity and common knowledge** by setting a programme of training & data sharing throughout the duration of the project. Based on their experiences and other available data, the project has delivered **guidelines for climate change adaptation in MPAs of the Mediterranean**, which should lead other MPAs through the same process and facilitate the development of basin-wide application of adaptive management standards for dealing with climate change related issues.

## Capitalisation event and Policy Dialogue

The main goal of MPA-Adapt was to enhance the role of MPAs as nature-based solutions for the implementation of EcAp to the adaptation and mitigation to ongoing CC effects. To develop an efficient and cost-effective strategy for the full implementation, it is crucial to identify and prioritize key territorial challenges.

To do so, the MPA-ADAPT partners convened a Capitalisation conference aiming at promoting a Policy dialogue among the main stakeholders:

1. MPA managers are in charge of adapting their management to CC through a co-participative approach supported by monitoring and vulnerability assessments.
2. Scientists, capitalizing on proved experiences, bring the best available scientific information to the set of tools to be tested.
3. Policy makers support the managers and lead the capitalization and mainstreaming objectives.
4. Local socio-economic Stakeholders are essential in the participatory approach to design an adaptation plan.
5. Citizen Science contributes to the monitoring activities and fosters the awareness rising.

## DRAFT AGENDA

Venue: [Museu Marítim de Barcelona](#) - Av. de les Drassanes, s/n, 08001 Barcelona

Day 1 - 4 <sup>th</sup> June 2019 – 13.30	Moderators / Speakers
13.30: Registration	
14:00 Welcome speech (5')  Institutional speech (15')	Joaquim Garrabou (CSIC-ICM)  <b>Marta Subirà Roca</b> Secretary of Environment and Sustainability - Government of Catalonia
14.20: MPA-ADAPT project (10') • Main achievements • Main recommendations	J. Garrabou (CSIC-ICM) + video MPA-ADAPT
14.30: MONITORING CC in the MPAs (1h) • Barcelona Convention and SPAMIs • MPA-ADAPT Protocols • New assessment tools to support MPA adaptive management • Monitoring coralligenous habitats: The Italian experience • Monitoring fish invasive species in MPAs  Debate	<b>Scientists/Researchers</b> Daniel Cebrian (SPA/RAC UNEP-MAP) J. Garrabou (CSIC-ICM) / <b>Moderator</b> Carlo Cerrano (UNIVPM) Leonardo Tunesi (ISPRA) Sylvaine Giakoumi (Univ. Nice - ECOMERS)
15.30: SHARING and TRANSFERING DATA on CC for MPAs (1h) • <a href="#">PANACEA</a> platform (Interreg MED) • MPA-ADAPT Climate change platform • Temperature and Mass Mortality Events : <a href="#">T-MEDNet</a> • Geoportal: <a href="#">AMARE</a> (Interreg MED) • EMODNet  Debate	Carolina Perez (MedCities) / <b>Moderator</b> Mar Otero (IUCN-Med) Nathaniel Bensoussan (ICM-CSIC) Federica Foglini (CONISMA) Dr. Pascal Derycke (EMODNet)
16.30: Coffee break (30')	Dissemination videos
17.00: EMPOWERING Citizen Science towards the CC in MPAs (1h) • MPA-ADAPT experience  • Divers: Reef Check Italy • Recreational fishers: Observadores del Mar • Developing citizen science initiatives in a MPA  Debate	<b>Citizen Science actors</b> Ernesto Azzurro (ISPRA) / <b>Moderator</b> Tatiana Geloso (diving instructor)  M. Ponti (Univ. Bologna) Oscar Sague (IFSUA) Alessandra Accornero-Picon (PN Calanques)
18:00 MPA sharing experience  End of the first day – 19h30	<b>MPA-Adapt partners</b> share with the participants their experiences: discussion, videos
20.00: Social dinner at Maritime Museum of Barcelona	Offered by the organization

Day 2 - 5 <sup>th</sup> June 2019 – 9.00	Moderators / Speakers
8:30 Registration	
9.00 Welcome speech	Joaquim Garrabou (CSIC-ICM)
9.05 Catalan Maritime Strategy	<p align="center"><b>Sergi Tudela</b>            Directorate-General for Fisheries and Maritime Affairs. Government of Catalonia</p>
<p>9.20: <b>ENGAGING stakeholders into the process of MPA management (1h10)</b></p> <ul style="list-style-type: none"> <li>• Engaging Scuba divers: MPA ADAPT Experience</li> <li>• Tourism sector: <a href="#">DestiMed</a> (Interreg MED)</li> <li>• Fisheries: <a href="#">FishMPABlue 2</a> (Interreg MED)</li> <li>• Socio economic aspects linked to local livelihoods and CC</li> </ul> <p>Debate</p>	<p align="center"><b>Stakeholders</b></p> <p>Sandro Dujmovic (NP. Brijuni) /<b>Moderator</b>            F. Figurella (PADI)            Jeremy Sampson (IUCN-Med)            C. Dimitriadis (NP Zakynthos)            M. Reda Fishar (Egypt, National Institute of Oceanography &amp; Fisheries)</p>
<p>10.30: <b>ADAPTING the Mediterranean MPAs to CC (1h15)</b></p> <ul style="list-style-type: none"> <li>• MPA-ADAPT experience               <ul style="list-style-type: none"> <li>➢ Port-Cros MPA</li> <li>➢ Bonifacio MPA</li> <li>➢ Brijuni MPA</li> <li>➢ Portofino MPA</li> <li>➢ Isole Pelagie MPA</li> </ul> </li> <li>• MEDPAN: RoadMap (Strategic objective 5)</li> </ul> <p>Debate</p>	<p align="center"><b>MPA managers</b></p> <p>Mar Otero (IUCN-Med) / <b>Moderator</b>            Marion Periache            Jean-Michel Culioli            Martina Hervat            Lorenzo Merotto            Giulia Visconti*            Pierre Vignes (MEDPAN)</p>
11.45: Coffee break (30') (Photo group)	
<p>12.15: <b>NETWORKING &amp; CAPITALIZING Mediterranean initiatives (45')</b></p> <ul style="list-style-type: none"> <li>• CPMR (Intermediterranean commission)</li> <li>• Union for the Mediterranean</li> <li>• Panacea – Biodiversity Community</li> <li>• BlueTourMed – Sustainable Tourism Community</li> <li>• SPA/RAC</li> </ul> <p>Debate</p>	<p align="center"><b>Networks</b></p> <p>Elodie Nunes (CPMR) /<b>Moderator</b>            Alessandra Sensi (UfM)            Marcello Scalisi (UNIMED)            Roberto Grassi (Arco Latino)            D. Cebrian (SPA/RAC UNEP-MAP)</p>
<p>13.00: <b>FUNDING opportunities for MPAs managers (30')</b></p> <ul style="list-style-type: none"> <li>• Directorate General for EU and foreign affairs. Governement Catalonia</li> <li>• Interreg MED</li> <li>• ENI CBC MED</li> <li>• Adriatic Ionian Euroregion Association: EUSAIR</li> <li>• LIFE Programme: <a href="#">IP Intemares</a> project</li> </ul>	<p>Conxita Font i Escuder/<b>Moderator</b>            Sophie Scarvelis            Vincent Ernoux            Francesco Cocco*            Paloma Pacheco (F. Biodiversidad)</p>
13.30: Highlights from the event (10')	Cynthia Echave / <b>External rapporteur</b>
13.40 General discussion (15-30 min)	All participants
14.15 Closure of the meeting	J. Garrabou (CSIC-ICM)

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