

OCEAN GOVERNANCE PROJECT

Protecting and restoring marine ecosystems, catalysts for building peace and security and fostering sustainable economies, Southeast Asia and Atlantic Ocean basin

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&

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WEBINAR ON CLIMATE CHANGE AND MARINE PROTECTED AREAS

20 JULY 2022



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CLIMATE CHANGE & MPAs / MPA NETWORKS:

- MPAs can play an important role in **climate change mitigation and adaptation**, as they represent areas of reduced human pressure and concentrated conservation efforts.
- If well-managed, they can contribute to **build resilience** for both coastal communities and marine biodiversity.

MORE MPAs ARE NEEDED TO RESPOND TO CLIMATE CHANGE



CLIMATE CHANGE & NETWORKS OF MPA MANAGERS

Creating **new MPAs** is not enough

Management is crucial, and **Networks of MPA managers** have a KEY role:

- are a **cornerstone to achieve management effectiveness** and have the potential to accelerate the implementation of MPA strategic targets with direct impact on ocean conservation at every scale
- take advantage of existing initiatives and partnerships and help to connect with people **acting on the ground while providing them with a global framework** and the “big picture” of marine conservation
- are platforms addressing common management and conservation challenges
- gather stakeholders for an effective management of marine biodiversity and create linkages with actions on the ground, they **facilitate relevant decision-making processes**, at local, national, regional and international levels
- they **exist at national and regional levels**; they also interact from national to regional levels and they join forces between different regions, at global level.

A changing mediterranean coastal marine environment under predicted climate-change scenarios

A manager's guide to understanding and addressing climate change impacts in marine protected areas

MPAs & CLIMATE CHANGE IN THE MEDITERRANEAN

- 2012 FIRST PUBLICATION

CO-ORGANISED BY:



TRAINING CLIMATE CHANGE IN MEDITERRANEAN MARINE PROTECTED AREAS

A regional training workshop for
Mediterranean MPA managers

SUMMARY REPORT

IN COLLABORATION WITH:



WITH THE FINANCIAL SUPPORT OF:



MPAs & CLIMATE CHANGE IN THE MEDITERRANEAN

- 2013 TRAINING (Cadaqués, Spain)



MPAs & CLIMATE CHANGE IN THE MEDITERRANEAN

2013 TRAINING OBJECTIVES



- Provide MPA practitioners with relevant Mediterranean background information on **observed effects** of climate change on the ecosystems their MPAs aim to protect
- Provide a range of **monitoring tools** to demonstrate how the questions MPA managers ask concerning observed or potential adverse effects on key species/habitats within their MPA could be addressed using simplified protocols.
- Present collaborative **web-based platforms** for data management and analysis were presented (www.t-mednet.org/ - www.iucn-medmis.org/ - www.seawatchers.org/).

MPAs & CLIMATE CHANGE IN THE MEDITERRANEAN

2013 TRAINING CONTENTS



- **MPAs as observatories of Mediterranean changes**
- **Why is it important to monitor climate change in MPAs?**
- **Monitoring for MPAs: 'Science for management'**
- **Simplified tools/protocols for MPA managers**
 - ❖ Monitoring coastal temperatures and water column stratification
 - ❖ Assessing the conservation status of key macrobenthic species: gorgonian populations
 - ❖ Assessing the abundance of indicator fish species

MPAs & CLIMATE CHANGE IN THE MEDITERRANEAN

2013 TRAINING OUTCOMES

- Creation of T-MedNet : Network for the monitoring of coastal water temperature
- Support to several MPAs to acquire equipment to contribute to T-MedNet



MPAs & CLIMATE CHANGE IN THE MEDITERRANEAN EU PROJECTS

- MPA -Adapt project (lead by IUCN Med, MedPAN associated partner) <https://mpa-adapt.interreg-med.eu/>
- MPA-Engage project (lead by CSIC, MedPAN associated partner) <https://mpa-engage.interreg-med.eu/>





MPAs & CLIMATE CHANGE IN THE MEDITERRANEAN

MPA -Adapt project

- **Capacity-building:** provide guidance to MPA managers, MPA staff involved in management activities and local administrations on adaptation management in response to climate change impacts on marine and coastal environments.
<https://www.iucn.org/news/mediterranean/201706/capacity-building-adaptation-mediterranean-marine-protected-areas>
- **Raise awareness** on the need to integrate adaptation into MPA management plans
- **Tools :** <https://mpa-adapt.interreg-med.eu/what-we-achieve/deliverable-library/>



MPAs & CLIMATE CHANGE IN THE MEDITERRANEAN

MPA-Engage project

- Develop and test monitoring protocols
- Vulnerability assessments
- Citizen science and participatory approaches
- Tools: <https://mpa-engage.interreg-med.eu/what-we-achieve/deliverables-database/>

MPAs & CLIMATE CHANGE IN THE MEDITERRANEAN

MedPAN SMALL PROJECTS

- <http://medpan.org/development-of-guidelines-for-implementation-of-blue-carbon-in-the-mpa-telascica-management-plan/>

MedPAN POLICY PAPER

- Includes a section on climate change



Ocean Governance Project

Continuity and enlargement of activity with MPA managers

- **Highlighting the role of MPA Managers**
 - ❖ The EU focused on the importance of MPA managers to achieve tangible results in conservation, preservation and policy outreach. All the actors and pieces were there, we put them together
- **Shared problematics in both sides of the Atlantic: the Transatlantic Project (2016-2019)**
 - ❖ Identification and design of three Twinning/partnership Projects: **Resilience**, Marine Mammals and **Networks of MPA Managers**
 - ❖ Success in Connecting MPAs from both sides of the Atlantic, and sharing results. **Now expanding to SEA**

MPA Networks Common Strategy: 4 Strategic Axes

1. Sharing information, knowledge and tools
2. Building network capacity
3. Policy support/advocacy
4. Financing

STRATEGY FOR
SUSTAINABLE FINANCING
OF MPA NETWORKS

PARTICIPATION IN
INTERNATIONAL
EVENTS AND
PROCESSES

DESK STUDY ON
“NETWORKS
EFFECTIVENESS”



Sharing information, knowledge and tools & building network capacity

Resilience Self-Assessment Tool

OCEAN GOVERNANCE

Protecting and restoring marine ecosystems, catalysts for building peace and security and fostering sustainable economies, Southeast Asia and Atlantic Ocean basin

Webinar Presentation R-SAT Tool Resilience Twinning

Friday 23 April 2021



Project funded by the European Union





bring you

VIRTUAL LEARNING EXCHANGE

FOR CTI-CFF UNDER
THE EU OCEAN
GOVERNANCE PROJECT

NOVEMBER 3-5, 2021

Session topics include:

- supporting MPA management at regional and national scale
- new tools for MPA management in terms of coastal resilience
- protection of marine mammal
- protection of marine turtles and their habitats

To join the Virtual Learning Exchange, please register via the link
<https://ec.europa.eu/eusurvey/runner/EUOG-CTI-2021exchanges>

Learning Exchanges for MPA management in South-East Asia

*Kota Kinabalu (Malaysia,
October 2022)*



Thank you for your attention

<https://oceangovernance4mpas.eu>

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