



EU Blue Parks Community 1st WORKSHOP (Online) - 06/12/2023

State of play on marine protected areas in Mission sea basins

The Mediterranean sea basin

Carole Martinez MedPAN

The Mediterranean Sea: a biodiversity hotspot

21 riparian countries, more than 15,000 islands & islets, 348 submarine canyons, 242 seamounts

One of the world's top 36 marine & coastal biodiversity hotspot

0.7 % of the global ocean surface but comprises 4 to 18 % of the world known marine species, depending on taxonomic group

20 % of endemism for all species found in the basin





The Mediterranean Sea is under pressure

• 150 millions people live on the coast

 Yi of global maritime traffic

 Ist world tourist destination

 Booming exploitation of hydrocarbons at sea

 Overexploited resources

 Land based pollution

 Climate change hotspot that is warming 20% more than the global average









Legal & Institutional framework for the Mediterranean

Clobal level: Convention of Biological Diversity (CBD), Kunming-Montreal Clobal Biodiversity Framework (CBF), United Nations Sustainable Development Coals (UN Agenda 2030 SDC), Convention on Migratory Species (CMS), United Nations for Climate Change (UNFCC) etc.

Mediterranean level: Barcelona Convention, General Fisheries Commission for the Mediterranean (GCM), The Agreement on the Conservation of Cetaceans of the Black Sea, Mediterranean Sea and contiguous Atlantic area (ACCOBAMS), The Union for the Mediterranean etc.

EU level: Green Deal, EU Biodiversity Strategy, Birds and Habitats Directives, Marine Strategy Framework Directive (MSFD), Marine Spatial Planning Directive, Common Fisheries Policy, Bern Convention, etc.

Global framework

By 2030, at least 30% of terrestrial, inland water, coastal and marine areas in particular areas of particular importance for biodiversity and ecceystem functions and services, are effectively conserved and managed through ecologically representative, wellconnected and equitably managed systems of protected areas and other effective area-based conservation measures, recognising indigenous and traditional territories.



European framework

At least one third of protected areas, i.e. 10% of the European Union's land and 10% of its seas, should be strictly protected.

> EU Biodiversity Strategy 2030





Mediterranean framework

Effective systems of MCPAs and OECMs

By 2030, at least 30 percent of the Mediterranean Sea is protected and conserved through well connected, ecologically representative and effective systems of marine and coastal protected areas and other effective area-based conservation measures, ensuring adequate geographical balance, with the focus on areas particularly important for biodiversity

Post-2020 Regional strategy for marine and Coastal protected areas and other Effective area-based conservation Measures in the Mediterranean

Areas with enhanced protection levels

By 2030, the number and coverage of marine and coastal protected areas with enhanced protection levels is increased, contributing to the recovery of marine ecosystems

Post-2020 Regional strategy for marine and Coastal protected areas and other Effective area-based conservation Measures in the Mediterranean





The network of marine protected areas in the Mediterranean (2020)

MAPAMED 2019 edition, version 2 - EPSG 3035

- MPAS with a national statute
- Marine Natura 2000 site
- **Pelagos Sanctuary for Marine Mammals**



8.33 % 0.04 %

97.33 % __



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www.mapamed.org

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The Mediterranean MPA system (2020)

1,087 MPAs covering 209,387 km²

All MPAs: 8.33 %

Fully and strongly protected areas: 0.04% (no-go, no-take, no-fishing zones) Largely coastal and European (97.33% in EU)

Mostly cover shallow waters

18% with a management plan implemented







Insights into MPAs management

Feedback from managers of 152 national MPAs (2020 Mediterranean MPA Status)

Lack of permanent, trained staff, lack of equipment.

Insufficient funds & very few business plans.

Few management plans - Weak monitoring / few reference data.

Weak monitoring and enforcement.

The Mediterranean MPA management database (MedPAN, 2021)



The MedPAN network in action





Call for Small Projects about strengthening the level of effective protection of MPAs





MPA management

Call for Small Projects about strengthening the level of effective protection of MPAs

MedPAN has launched a call for Small Projects about strengthening the level of effective protection of MPAs with highly / fully protected areas- deadline: 05/02/23

Type of news Publication date Project news 12/12/2022

2019-2023 and beyond strategy

MedPAN works on





Build capacities and share solutions A range of complementary tools

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Regional experience sharing workshop

Pool and share information, expertise and experiences and take stock on a topic. Regional training
 Provide background
 knowledge on a topic.

 Thematic groups
 Advise and provide technical support.

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Practical guidelines

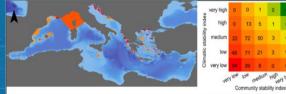
Provide easy-to-use management tools.

• Field exchange visits

- Identify practical solutions
 based on the observation of a concrete case.
- Operational training
- Build operational skills.



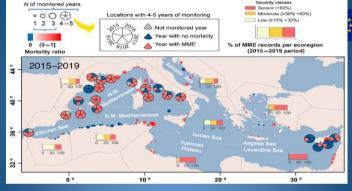
A Mediterranean MPAs Network to be supported and strengthened.



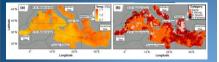
More than 90% of protected surfaces across the Mediterranean basin were characterized by high vulnerability under changing climatic conditions

Kyprioti and al., 2021

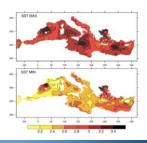




Garrabou et al.2022



Patterns of warming and marine heatwaves (MHWs) across the Mediterranean Sea. (a) The difference in temperature between the mean of 2015 to 2019 minus the mean of 1982 to 1986 Garrabou et al.2022



Expected minimum and maximum changes in sea surface temperature for the 2070–2099 period (vs. 1961–1990). MedECC, 2018

The Road to 2030

THE 2020 FORUM of Marine Protected A

Post-2020 Mediterranean Marine Protected Areas Roadmap

GPS 😳 Foot 2000 methorement (PTV, Roading - The Article - Online 2002

Recommendation 6.5 (EMERGING and EXISTENTIAL THREATS)

Take immediate action on emerging and existential threats to MPAs, including climate change and invasive alien species. EFFECTIVE MANAGEMENT OF MARINE PROTECTED AREAS IN THE MEDITERRANEAN FOR AN INCLUSIVE, RESILIENT & COHERENT NETWORK OF MPAS



MedPAN NETWORK POLICY PAPER

KEY MESSAGES

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VI. Enabling marine resilience in the Mediterranean Sea

Rationaler

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Ecological connectivity is a determining factor for the survival and migration of species and adaptation potential of populations.

CLISSARTES: Climate-smart strategies to develop resilience in artisanal fisheries of Mediterranean Marine Protected areas (2022-2024

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Jueves, 01 de Septiembre de 2022 11:20

Well-co MPA

- Must go beyo
- -> Improvement continuum is needed
 - Ecoregional connectivity needed

LEGEND

MRIs with a national statute Marine Natura 2000 sites Pelagos Sanctuary for Marin <u>Titulo del orayecto</u> CLISSARTES. Climate-smart strategies to develop resilience in artisanal fisheries of Mediterranean Marine Protected areas (2022-2024)

Einanciación: AXA Research Fund. Convocatoria AXA and IOC-UNESCO 'More resilient Coastal Livelihoods'. Fellowships Research Project

Einanciación total del proyecto: 190.000,00 €

Financiación de AXA Research Fund: 125.000.00 €

Cofinanciación del IEO-CSIC y CSIC-VRI: 65.000,00 €

Investigadora principal del proyecto IEO: Marina Sanz-Martin (COB-IEO,CSIC)

Duración del proyecto: Del 01/08/2022 a 30/07/2024 (prorrogable) CLISSARTES



21 United Nations Decade of Ocean Science for Sustainable Development

napamed.org

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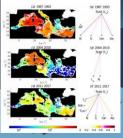
More Ecoregionalization and Modelling works on connectivity and Climate change

-> to inform ecosystem connectivity at the basin & Sub-basin scales and interannual to decadal times

-> to support the development of **resilient** MPA networks and successfully achieving 30X30 target!

LEGEND

MPAs with a national statute Marine Natura 2000 sites



Novi et a 2021

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MEDITERRANEAN MPA VISION



MedP/

Carole MARTINEZ, carole.martinez@medpan.org

Stronger together for the Mediterranean Sea