

MPAs climate change e-platform

Deliverable 4.4.1

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Consultancy company: Nature Solutions

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Background

Mediterranean Marine Protected Areas (MPAs) will be strongly impacted by climate change in the coming decades and adaptation mechanisms and actions are needed to reduce the number and intensity of threats. Incorporating adaptation into current management frameworks in and around MPAs can contribute to increasing the resilience of marine communities and the coastal human societies that depend on them.

The MPA-Adapt Project aims to raise awareness on the role of effectively managed Marine Protected Areas for enhancing resilience to climate change and safeguarding ecosystem services, as well as to strengthen capacity of MPAs to plan for and respond to climate change impacts based on a better understanding of climate risk and vulnerability.

This activity (Deliverable 4.4.1) aims to create a web platform created to place tools, training materials, new communication and information regarding climate change and observations for MPAs.

It is built to be a go-to online resource for MPA managers and other relevant target public (researchers, MPA staff, NGOs, national and regional administrations) when it comes to climate change tools, guidelines and information updates from the region.

Providing a platform such as this, will ensure that the information is accessible to everyone and its benefits extend beyond project duration.

The address of the platform is: www.medclimateadapt.org

The following screenshots provided a visual representation of the web platform:

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Homepage

CLIMATE CHANGE PLATFORM FOR MEDITERRANEAN MPAs

YOUR OBSERVATIONS + DECLARE AN EVENT MARIA OTERO EN FR MENU

The Med MPA Climate Change Adaptation Platform gathers available tools and materials for climate change adaptation in Mediterranean Marine Protected Areas (MPAs), as well as constant updates from the region. It's a unique online resource for MPA managers, researchers, and national and regional administrations that are interested in available knowledge, tools and experiences on climate change impacts, vulnerability and adaptation in MPAs.

Join-us

SCIENCE CORNER
Understanding climate change impacts through news, science stories, factsheets and articles

TOOLS
Collecting data of marine observations on climate change impacts

GUIDELINES
Assessing habitats and species' vulnerability to climate change

MPAs AT WORK
Climate change adaptation and monitoring of climate change impacts in Mediterranean MPAs

The website is structured into several main sections:

- **Science corner**
- **Tools**
- **Guidelines**
- **MPAs at Work**

Another section of **early warning events**: this section contain an interactive map where it will be possible to visualize the recent climate change-related events reported by the users themselves. This section present one type of event (e.g. mortality event of *Pinna nobilis*). The events is represented by points and the users will be able to visualize the info relevant to each event. The maps will feed on data entered by different users and will present the most recent data through automatic updates.

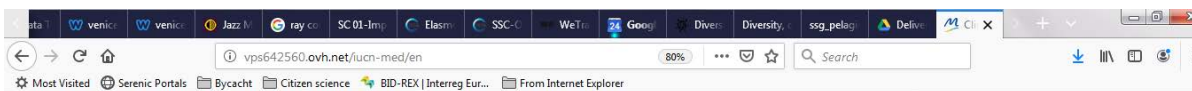
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CLIMATE EVENT SITES

[DECLARE AN EVENT](#)



**CLIMATE CHANGE PLATFORM
FOR MEDITERRANEAN MPAS**

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Inform

[About us](#)
[Science corner](#)
[Tools](#)
[Guidelines](#)

Inspire

[MPAs work](#)
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Science Corner

This section helps us understand the impacts of climate change through news, science stories, articles and snapshots. As the Mediterranean Basin is experiencing the impacts of climate change more than ever, several studies have focused on this topic, in order to support decision-makers in addressing the issues.

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SCIENCE CORNER



Climate change, biological invasions, and the shifting distribution of Mediterranean fishes

[Read more](#)

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- FACTSHEETS
- ARTICLES

FACTSHEETS



IMPACT OF STORM SURGES ON MPAs

This factsheet provides knowledge on storm surge events, to show what is happening and is likely to happen, and how it can affect Mediterranean MPAs

Tools

This section offers access to data tools that are available online on climatology, storm events, seawater temperature, invasive species, marine observations on climate impacts (e.g. mass mortality events), etc. Each tool is specialised in a specific dataset and can offer visual and downloadable data of observations, mapping as well for reporting new observations. Tools are divided into Climate observations tools and Marine Biodiversity Climate related tools.

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CLIMATE OBSERVATION TOOLS



Copernicus Climate Change Service

Climate data and information on impacts on a range of topics and sectoral areas
Published in : July 29, 2019
European Commission



Global Flood Detection System

GFDS monitors floods worldwide using near-real time satellite data
Published in : July 29, 2019



Climate Change Impacts Information Portal

The Portal presents the latest news on climate change and adaptation
Published in : July 29, 2019



Mediterranean Ocean Observing System for the Environment

MOOSE collects data from monitoring programme and deep moorings to see long-term evolution of the North Western Mediterranean Sea
Published in : July 29, 2019

MARINE BIODIVERSITY CLIMATE - RELATED TOOLS



Climate-ADAPT

Climate-ADAPT aims to support Europe in adapting to climate change
Published in : July 29, 2019
European Commission, European Environment Agency



Sea Watchers

Citizen science programme for marine biodiversity
Published in : July 29, 2019
CSIC



GIGESMED

Citizen science initiative for the mapping and monitoring of coralligenous assemblages in the Mediterranean Sea
Published in : July 29, 2019



Cybelle Méditerranée





Participatory Science program at sea on Mediterranean marine species
Published in : July 29, 2019
Cybelle Planète

MPAs at work

This section showcases the best practices and lessons learnt of five Mediterranean Marine Protected Areas on climate change adaptation and monitoring of climate change impacts.

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<p>Bonifacio MPA action plan for climate change adaptation</p> <p>Published in : <i>July 25, 2019</i> by Jean Michel Culioli (OEC), Alessia Iovinelli (IUCN)</p> <p>Location France/Italy</p>	<p>Pelagie Islands MPA action plan for climate change adaptation</p> <p>Published in : <i>July 22, 2019</i> by Giulia Visconti, Alessia Iovinelli (IUCN)</p> <p>Location Italy</p>	<p>Port-Cros MPA action plan for climate change adaptation</p> <p>Published in : <i>July 18, 2019</i> by Clélia Moussay, Alessia Iovinelli (IUCN)</p> <p>Location France</p>	<p>Brijuni MPA action plan for climate change adaptation</p> <p>Published in : <i>July 18, 2019</i> by Martina Hervat, Andrea Blašković, Alessia Iovinelli (IUCN)</p> <p>Location Croatia</p>

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