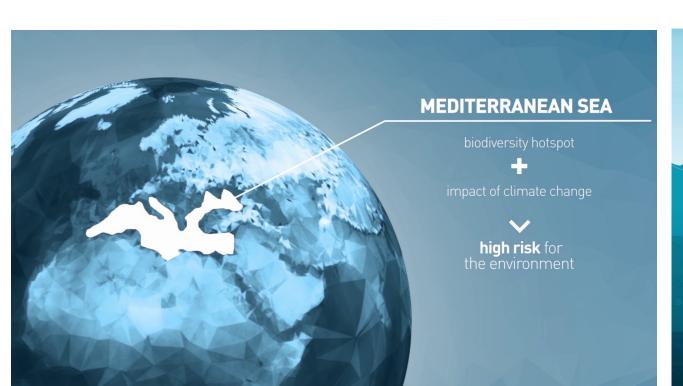
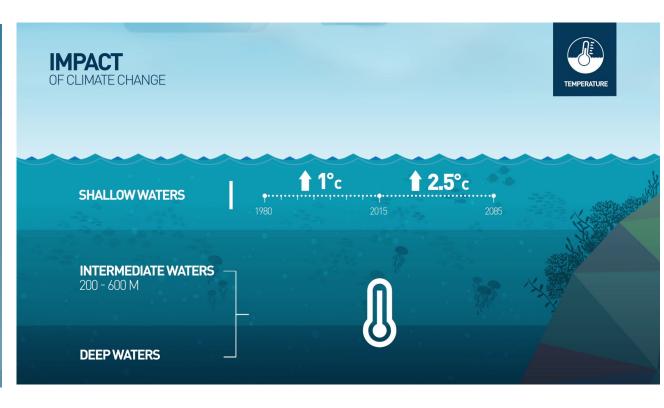


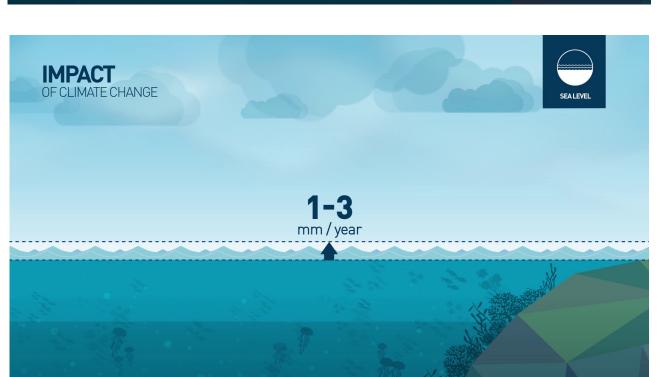
# MPA-ADAPT: Guiding Mediterranean MPAs through the climate change era: building RESILIENCE and ADAPTATION

Mediterranean is one of the most vulnerable regions in the world to the impacts of global warming



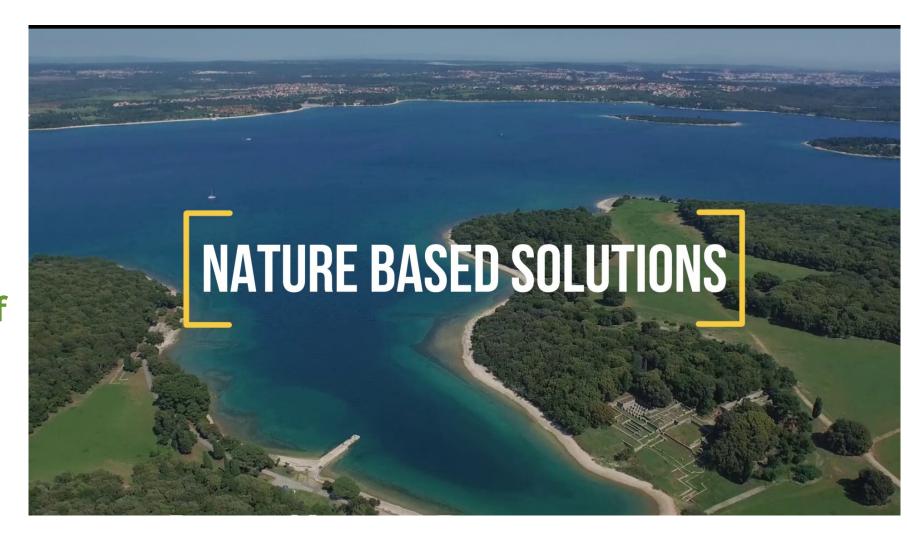
**Need to understand a** change of geological scale and, to act on how to address it





#### THE ROLE OF MARINE PROTECTED AREAS (MPA)

**Marine Protected Areas** play an important role in climate change mitigation and adaption as they represent areas of reduced human pressure and concentrated conservation efforts.



## THE GOAL OF MPA-ADAPT'S PROJECT

The main MPA-ADAPT's goal is to assist Mediterranean MPA to develop adaptation measures to enhance climate resilience of biodiversity, safeguard ecosystem services as well as buffer coastal communities.

# **HOW - PAVING THE WAY**



#### **PARTICIPATORY APPROACH**



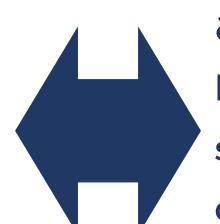
frameworks, these areas will be able to react quicker and more effectively to changes in the upcoming decades.













#### Signals are already appearing everywhere in the Mediterranean sea









These changes are challenges for the ecosystems and the livelihoods of local communities. which require specially adaptation strategy plans to enhance resilience to climate change impacts



# Five marine protected areas from 3 Mediterranean countries act as pilot sites



The inclusion of key coastal actors in the project such as local administrations, tourism sector, fishermen and divers contributes to developing integrated approaches to management.

#### LONG-TERM VISION

Transfer the acquired knowledge to other Mediterranean MPAs

Foster networks by improving the dialogue and coordination between MPA managers and scientists in order to create the first line of Mediterranean MPA sentinel sites.

**AUTHORS:** Joaquim Garrabou<sup>1</sup>, Ernesto Azzuro<sup>2</sup>, María del Mar Otero<sup>3</sup>, Nathaniel Bensoussan<sup>1</sup>, Valerio Sbragaglia<sup>2</sup>, Stefania Chiesa<sup>2</sup>, Biljana Aljinovic<sup>3</sup>, Valentina Cappanera<sup>4</sup>, Lorenzo Merotto<sup>4</sup>, Fabio Giardina<sup>5</sup>, Andrea Blašković<sup>6</sup>, Mirka Černi<sup>6</sup>, Moira Bursic<sup>6</sup>, Clelia Moussay<sup>7</sup>, Giulia Azzolini<sup>7</sup>, Marion Peirache<sup>7</sup>, Marie-Cathrine Santoni<sup>8</sup>, Jean-Michel Culioli<sup>8</sup> <sup>1</sup>ICM-CSIC (Spain), <sup>2</sup>ISPRA (Italy), <sup>3</sup>IUCN-Med (Spain), <sup>4</sup>Area Marina Protetta di Portofino (Italy), <sup>5</sup>Marine Protected Area Pelagie Islands (Italy), <sup>6</sup>Brijuni National Park (Croatia), <sup>7</sup>Parc National Port-Cros (France),

### PROJECT PARTNERS













<sup>8</sup>Office de l'Environnement de la Corse.

Photo credits: IUCN and MPA-ADAPT/Gianpaolo Rampini













