



Addressing global challenges locally

Past, present, and future status and mitigation for Cyprus shallow-water reef biodiversity and functioning under global change

1 July 2024 - 30 June 2027



Motivation

Over the last century, the Eastern Mediterranean and Middle East region have warmed significantly faster than most other inhabited regions.

Marine heatwaves severely affect marine ecosystems.

Effective management and policy are required for the conservation of regional biota and its ecological functioning.



Mission

Enhance the science and innovation capacity of CMMI, Cyprus and Europe in the sectors of chemical oceanography and marine ecology.

To understand the past and present ecological conditions and design management plans for monitoring, conservation & restoration, and policy reforms for the future.



Scientific Objectives

Sample coastal waters and sediments for marine pollutants at key locations around Cyprus.

Assess pollutant accumulation over time.

Assess the current ecological status and impact of climate, bioinvasions and human activities on target ecosystems.

Track physicochemical parameters related to climate change and ocean acidification to understand and predict their effects in the future.

Test the functioning of benthic communities at different ecological states in Cyprus.



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