

MALAG

Effect of eutrophication on benthic Macrofauna of mediterranean LAGoons

INTERNATIONAL COORDINATOR

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GEOGRAPHICAL DEPLOYMENT

French Mediterranean coast

DURATION

4 years
(2018 / 2021)

FINANCING

The French Office
for Biodiversity and Ifremer

OVERALL BUDGET

300 000 €

MARBEC REPRESENTATIVE

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MARBEC AMBITIONS

- Assess the state of marine biodiversity
- Evaluate the causes of marine biodiversity loss
- Understand and model the functioning and evolution of marine organisms and ecosystems

BUDGET FOR MARBEC

300 000 €

OBJECTIVES

This research project aims to study the effects of eutrophication on the structure and functioning of benthic macrofauna in lagoon environments, by dissociating these effects from those of natural fluctuations.

The project is structured around two complementary axes:

- (1) A first axis at the intra-lagoon scale with a focus on spatial variability at fine scale (benthic habitat mosaic) and at medium scale (hydrodynamic confinement) as well as on temporal variability at the bi-monthly scale. This axis is based on spatial data already acquired on 4 lagoons and temporal data being acquired on the lagoon of Bages.
- (2) A second axis aiming to describe and understand the effect of eutrophication on the benthic macrofauna and the dynamics of re-oligotrophication thanks to (i) a spatial inter-lagoon approach and (ii) a temporal inter-annual approach. This axis is based on data already acquired in the framework of the WFD covering 28 lagoons with a range of natural and anthropogenic pressures and on a few lagoons monitored every 3-4 years.

4 PARTNERS (FRANCE)

IFREMER

The French Research Institute for Exploitation of the Sea, Sète

IRD

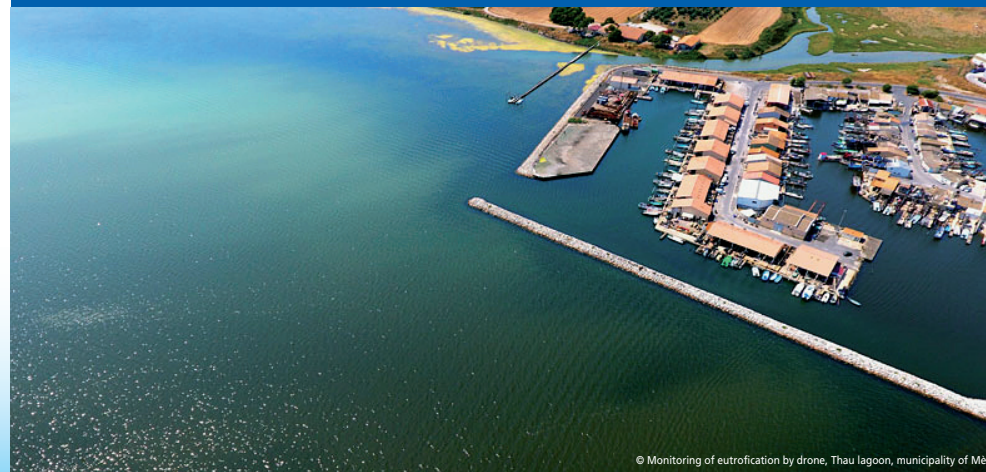
The French Research Institute for Development, Sète

UBO

University of Western Brittany

OFB

The French Office for Biodiversity



© Monitoring of eutrophication by drone, Thau lagoon, municipality of Meze