



CONNECT-MED

Connectivity of coastal fish along the French Mediterranean coast

PROJECT COORDINATOR

Jérôme BOURJEA
Ifremer
Jerome.Bourjea@ifremer.fr

GEOGRAPHICAL DEPLOYMENT

Gulf of Lions
(from the Spanish border to Marseille)

DURATION

2018 - 2021

FINANCING

Ifremer site policy and others (see column partners)

OVERALL BUDGET

440 000 €

MARBEC REPRESENTATIVE

Jérôme BOURJEA
Ifremer, Sète
Jerome.Bourjea@ifremer.fr

MARBEC AMBITIONS

- Understand and modelize the functioning and the evolution of organisms and ecosystems
- Promote sustainable fishery and marine aquaculture

BUDGET FOR MARBEC

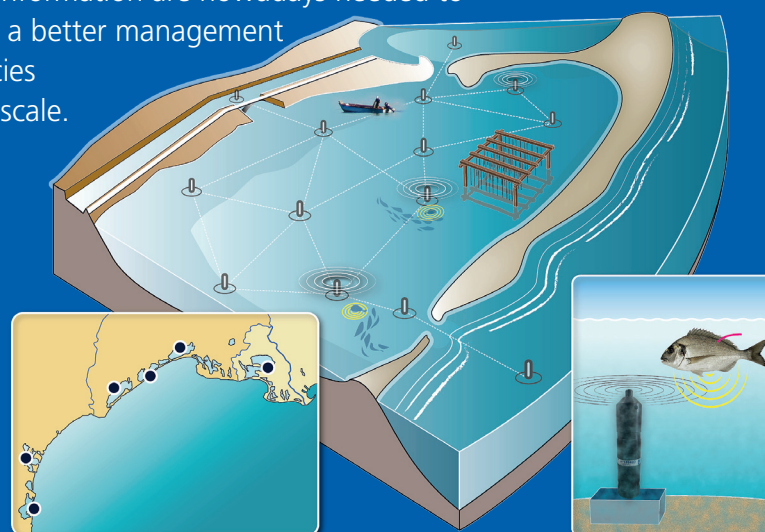
440 000 €

OBJECTIVES

Targeting four coastal fish species, the Sea Bream (*Sparus aurata*), the Sea Bass (*Dicentrarchus labrax*), Mulletts (*Mugil spp*) and Salema (*Sarpa salpa*), this project aims to better understand the regional connectivity of these species between the lagoons and the Mediterranean sea related to (i) their habitats, natural or exploited (sea farming), and (ii) environmental conditions (sea temperature, hypoxia, wind...). For that purpose, more than 600 fish will be tagged and passively tracked using an acoustic telemetric network deployed between lagoons and the sea in the Gulf of Lions. The results will allow to:

- Investigate the fidelity of those species to one or several lagoons,
- Quantify the time spent in the lagoon and at sea according to seasons,
- Have a broad overview of their regional migration,
- Have a better understanding of the location of spawning areas and associated timing.

Such sets of information are nowadays needed to contribute to a better management of those species at a regional scale.



25 PARTNERS

RESEARCH UNITS

France: Ifremer, CNRS, University of Montpellier, IRD, CEFREM-UPVD
Canada: Department of Fisheries and Oceans (DFO-MPO)
Spain: OBSEA, Universidad Politecnica de Catalunya, Barcelonatech

DESIGN OFFICE

Écocéan

FUNDERS

Agence Française pour la Biodiversité, Centre du Littoral et de la Mer, Ministère de l'environnement, Région Occitanie, Contrats de plan État-Région, Montpellier Méditerranée Métropole, Sète Agglopolè, Écosphère Continentale et Côtière (EC2CO), Ministère Pêche et Océan (Canada)

MANAGERS OF PROTECTED AREAS AND PARKS

Parc National de Camargue, Aires marines protégées de Camargue, Réserve marine de la côte palavasienne, Parc marin de la côte Bleue, Syndicat mixte de l'étang de Berre, Parc naturel marin du golfe du Lion, Parc national des Calanques, Agde archipel de vie, Aires marines protégées de la côte agathoise

PROFESSIONALS

Les Compagnons de Maguelonne, Tabouriech