

## AT A GLANCE

**TITLE:**  
PROMPT Project

**CONSORTIUM:**  
6 partners

**COORDINATOR:**  
IFREMER

**DURATION:**  
2020 - 2025

**Total Cost:**  
€ 1,774,388

**France Filière Pêche contribution:**  
€ 994,002

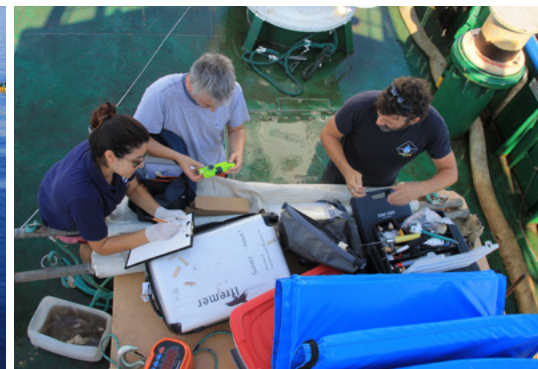
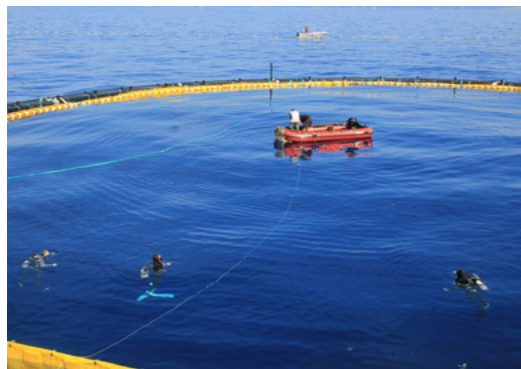


Potential Migratory Processes of Atlantic Bluefin Tuna (PROcessus Migratoires Potentiels du Thon rouge de l'Atlantique)

### PROMPT PARTNERS

- Ifremer, MARBEC and DOI, (France)
- CNRS, MARBEC and LIRMM, (France)
- SATHOAN, (France)
- University of Copenhagen, (Denmark)
- AquaBioTech Limited, (Malta)
- Les Pêcheurs de Bretagne, (France)

This project has received funding from France Filière Pêche



## PROMPT Project

Atlantic Bluefin Tuna (*Thunnus thynnus*) is an emblematic migratory large pelagic species, commercially valuable and whose exploitation depends on its migrations. The current activity of purse seiners, about 60 percent of the total landings, is based on spawning migrations in the Mediterranean. Over the past 5 years, bluefin tuna have been observed and caught in Brittany and Manche, where he had been missing for almost 60 years. The modification of the migratory behavior of bluefin tuna therefore has considerable implications for areas and periods of exploitation. In the current context of climate change and stock rebuilding, understanding the processes associated with bluefin tuna migrations and their inclusion in management processes are therefore essential for its sustainable use.

The ecological questions that arise are:

- What are the migrations of bluefin tuna targeted by French fisheries?
- What are the processes involved and their relative importance in these migrations in the context of change current climate?

The PROMPT project proposes to address these questions 1) by analyzing the trajectories of bluefin tuna on the different French facades, 2) by studying the influence of the conditions environmental data on the abundance index based on aerial monitoring and provided by France and, more broadly, 3) by developing means of observation to describe and understand the response of migratory dynamics to climate change.

## Objectives of PROMPT

- Describe bluefin tuna migrations on French coasts
- Identify the processes influencing migrations
- Include environmental effects in the abundance index provided by Ifremer to assess the stock
- Develop observation tools to assess the metabolic activity patterns and physiological parameters of Atlantic Bluefin tuna
- Understand the impact of migratory variations on local fisheries

## AT A GLANCE

**TYPE:**

Research SME

**LOCATION:**

Mosta, MALTA G. C.

**CAPABILITIES:**

R&D / Consultancy / Engineering

**EXPERTISE:**

Aquaculture / Marine Research  
Blue Growth / Aquatic Environment



**AquaBioTech Group**

## Who We Are

**AquaBioTech Group** is an international consulting, engineering and R&D company with over 20 years of experience in aquaculture, fisheries and other aquatic sciences. Located in the center of the Mediterranean on the island of Malta, although operating globally with clients and projects in over fifty-five countries.

The vast majority of the organisation’s work is related to the marine or aquatic environment, encompassing aquaculture developments, market research/intelligence through project feasibility assessments, finance acquisition, project management, technology sourcing, technical support and training.



### Keywords for PROMPT Project

- Atlantic Bluefin tuna migration
- Atlantic Bluefin tuna aquaculture
- Tagging

## Our Role in the PROMPT Project

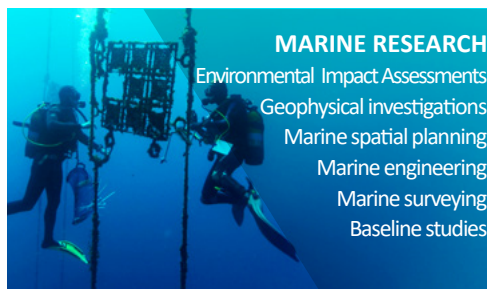
AquaBioTech Groups’ tasks within the PROMPT Project include:

- Coordination of project’s activities in Malta
- Support the partners in different research activities on site
- Supervising logistics for site visits at the tuna cages

## Our Research Activities



**AQUACULTURE R&D**  
Fish & shellfish hatchery technology  
Health & disease prevention  
Nutraceutical development  
new species development  
Aquatic nutrition research  
Production techniques



**MARINE RESEARCH**  
Environmental Impact Assessments  
Geophysical investigations  
Marine spatial planning  
Marine engineering  
Marine surveying  
Baseline studies



**WATER TECHNOLOGIES R&D**  
Recirculation Aquaculture Systems  
Aquaponics  
Wastewater treatment  
Energy efficiency  
Sustainability  
Innovation



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