



# INSTITUT PAUL RICARD OCÉANOGRAPHIQUE

## JOB OFFER

### Post-doc: Marine biology research engineer

#### General information:

**Position:**

Research engineer

**Type of contract:**

Fixed-term contract

**Expected date of employment and contract period:**

June 1, 2021 to May 31, 2024 (36 months)

**Remuneration:**

2350 euros gross salary over 13 months (30 550 euros per year)

**Desired level of education:**

PhD

**Workplace:**

Institut Océanographique Paul Ricard ; Île des Embiez, Six-Fours-Les-Plages, France

#### Mission:

The framework of the mission is the European research program MaCoBioS (<https://macobios.eu/>). The overall objective of this program is to ensure effective management and conservation strategies for European marine coastal ecosystems to face climate change and biodiversity loss. To address this objective, the research inside MaCoBioS has been divided into 4 inter-connected activities:

- Develop new empirical models on the interaction between climate change, biodiversity, functions and services in marine coastal ecosystems.
- Establish a framework to assess the vulnerability of marine socio-ecological systems under climate change scenarios.
- Evaluate the effectiveness of "Nature-based Solutions" at enhancing the resilience capacity of marine coastal ecosystems.
- Provide evidence-based guidance for marine policy formulation and innovative research pathways.

The project started in June 2020, and the candidate will contribute to successfully drive and deliver the activities of the program to its completion in May 2024 as part of its research consortium. More particularly, the candidate will have key responsibilities in the work package under the lead of IOPR dedicated to « Nature-based Solutions » as defined by the EU and the IUCN.

**Activities:**

- Expertise in “Nature-based Solutions” (synthesis of environmental, technical, social and economic data).
- Analysis of the ecological data collected by IOPR (particularly on Posidonia beds and from bioacoustics indices in the other coastal habitats from tropical to subpolar regions). Depending on the candidate’s expertise, his/her involvement in the fieldwork is encouraged.
- Feeding the scientific groups in the four work packages of MaCoBioS with ecological and socio-economical data and co-lead the work package dedicated to “Nature-based Solutions”.
- Redaction of reports (to all relevant stakeholders) and scientific articles.

**Skills:**

- Skillfulness on the themes dealing with coastal ecosystems (such as a background in marine biology and ecology but also knowledge on management and conservation tools or in ecological restoration of the coastal areas).
- Multivariate statistical analysis
- Cartographic tools (GIS)
- Good writing and pedagogical skills with an ability to adapt to the audience (scientific community, manager of MPA, policy maker or general public) from various supports (presentation, redaction, exhibition and so on).
- Fluency in French will be highly appreciated
- Having a professional scientific diving certification will be appreciated
- Having scientific knowledge in bioacoustics and/or in landscape/seascape ecology will be appreciated

**Work context:**

L’Institut Océanographique Paul Ricard, located on the Embiez Island, is a research center dedicated to marine sciences and innovative aquaculture activities since more than five decades. The IOPR is composed by a research lab and a public museum and aquarium. The acquisition of knowledge on the marine environment is therefore directly associated to the general public transmission. The research activities at IOPR are versatile and deeply associated with stakeholders. The research team is composed by one professor emeritus, three researchers, one engineer, one technician and one diving supervisor volunteer.

The research program MaCoBioS which started in June 2020 brings together 16 institutions from 11 countries. It is a multidisciplinary program that takes advantage of this transversality to answer to current scientific and socio-economic challenges. The gathering of existing data is almost completed and the candidate will join working groups of dozens of members. At the beginning of the contract, the work package dedicated to the “Nature-based Solutions” co-led by the candidate will have just started.

**Additional information:**

Informal inquiries can be made to Rémy Simide ([remy.simide@institut-paul-ricard.org](mailto:remy.simide@institut-paul-ricard.org)).

**Apply:**

Send your application to Rémy Simide ([remy.simide@institut-paul-ricard.org](mailto:remy.simide@institut-paul-ricard.org)), Robert Bunet ([robert.bunet@institut-paul-ricard.org](mailto:robert.bunet@institut-paul-ricard.org)) and Sylvain Couvray ([sylvain.couvray@institut-paul-ricard.org](mailto:sylvain.couvray@institut-paul-ricard.org)).