



# 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

**Desired level of education:**

PhD

**Workplace:**

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

#### 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 parts:

- 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 mission will be to participate in the research consortium in place for one year to continue the work in progress and lead them to their conclusion at the end of MaCoBioS. Particularly, the candidate will play a central role in the part dedicated to the “Nature-based Solutions” from the EU and the IUCN definitions.

**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 parts of MaCoBioS with ecological and socio-economical data and co-lead the part in the “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
- 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).
- Medium knowledge of French will be highly appreciate
- Having a scientific diving certification will be appreciate
- Having scientific knowledge in bioacoustics will be appreciate

**Work context:**

L’Institut Océanographique Paul Ricard, located on the Embiez Island, is a research center dedicated to the marine sciences and the innovative aquaculture activities since more than 5 decades. The IOPR is composed by a research lab and a public museum and aquarium. So, 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 data collections are almost completed already and the candidate will join working groups of dozens of members. At the beginning of the contract, the part dedicated to the “Nature-based Solutions”, co-led by the candidate will have just started.

**Additional information:**

For more information, please contact 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)).