

Postdoctoral researcher: social-ecological system analysis at the land-sea interface

INRAE (UMR SAS) and IFREMER (UMR AMURE) invite applications for a 16-months postdoctoral position to review social-ecological systems conceptual frameworks and their relevance for addressing long-lasting pollution problems at the land-sea interface.

The postdoctoral position is fully funded.

The deadline for application is July 30, 2024.

About the opportunity

The candidate will work with Dr. R. Mongruel from IFREMER at UMR AMURE in Brest, Dr. V. Viaud from INRAE at UMR SAS in Rennes, and partners within the GreenSeas research project.

IFREMER and INRAE are 2 main research institutes in France. IFREMER is the French National institute for ocean science and technology. Well-established in the international scientific community, its vision is to advance science, expertise and innovation to protect and restore the ocean, sustainably use marine resources to benefit society, and create and share ocean data, information and knowledge. INRAE (French National Research Institute for Agriculture, Food, and Environment) is among the top research organisations in the agricultural and food sciences, plant and animal sciences, as well as in ecology and environmental science. It is the world's leading research organisation specialising in agriculture, food and the environment. INRAE's goal is to be a key player in the agricultural, food, and environmental transitions necessary to address major global challenges.

GreenSeas is a 4-year project (<http://greenseas.fr/>) funded by the French National Research Agency (ANR) and dedicated to the study of coastal social-ecological systems vulnerable to eutrophication. To address this issue, GREENSEAS brings together scientists from a unique diversity of disciplines, including sociology and anthropology (WP1), agronomy and hydrology (WP2), political sciences and economics (WP3). All these disciplines are expected to contribute to the integrated analysis of ecological and social dimensions of eutrophication patterns, which will be carried out in two additional Work packages (WP4 and WP5). The postdoc is part of the WP4, which will analyze the resilience of social-ecological systems (SES) in the face of eutrophication.

The candidate will play a key role in the development of the social-ecological approach.

The candidate will be based either with Dr R. Mongruel at UMR AMURE in Brest (<https://www.umr-amure.fr/>) or with V. Viaud at UMR SAS in Rennes (<https://umrsas.rennes.hub.inrae.fr/>), but will have an opportunity to visit and work in strong interactions with both scientists.

Main responsibilities

Your key responsibilities will be to

- examine the relevance of conceptual frameworks of SES to address long-term eutrophication phenomena in the coastal zone.
- conduct a critical literature review, based on an original assessment grid to be built, which will consider various criteria including the scope of the SES frameworks, the kind of resilience problems they are intended to deal with, their operability, but also more fundamental issues including the paradigms behind the choice of the objects to be mobilized.
- develop insights for the implementation of SES frameworks for the analysis of case studies of the GreenSeas project

- collaborate with a large team of colleagues working in an interdisciplinary research environment
- publish research in high quality, peer-reviewed journals in collaboration with the members of the project team
- discuss and disseminate results in academic venues ; in particular a workshop may be organized in relation with the French long-term social-ecological research network.

Eligibility conditions

This call is open to applicants of any nationality who already have a research experience (PhD or post-doctoral contracts).

A postdoctoral researcher is an employee who is employed primarily for research and who has been awarded a doctoral degree or has a foreign degree that is deemed equivalent to a doctoral degree.

Requirements for the position are:

- PhD in Environmental Sciences, including Ecology, Sociology, Political Science, and other, for the position, relevant disciplines.
- Experience in SES related research.
- Experience in authoring academic publications.
- Ability or experience of working in interdisciplinary teams mixing environmental and social scientists.

Assessment criteria

This is a merit-based position focused primarily on research abilities.

Terms of employment

Type of employment: temporary position (full time)

Duration: 16 months

Start date: October 1, 2024 at the earliest, or by agreement

Employer: INRAE

Gross salary: according to INRAE's official salary scale (approx. €3,100 gross per month)

Location: Brest or Rennes (France)

Application procedure

Required documents:

- Personal letter
- CV – degrees and other education, work experience and list of publications
- Project plan/research plan (should not exceed 3 pages) that describes:
 - o why you are interested in the area/project described in the advertisement
 - o why and how you want to carry out the project
 - o what makes you suitable for the project in question
- Copy of proof of doctoral degree
- A single important publication to support your application.

Please send your application by email to R. Mongruel and V. Viaud.

Last application date: July 30, 2024

Selection procedure

Candidate will be auditioned at the end of August (remote interview possible).

Contacts:

- Rémi Mongruel, institutional economy and sustainability sciences; GreenSeas WP4 coordinator (remi.mongruel@ifremer.fr)
- Valérie Viaud, agronomy and sustainability sciences; GreenSeas coordinator (valerie.viaud@inrae.fr)