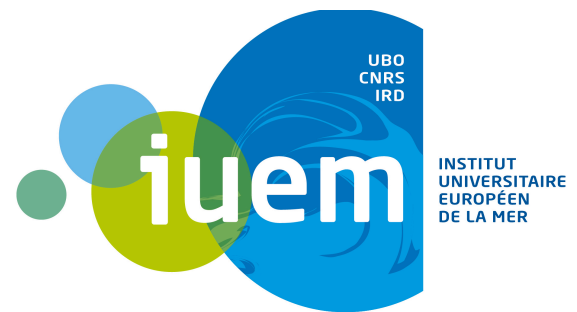


# Job position

**Modeling and mapping whales:  
integrated modeler/informatics/Big Data analyst  
& project lead**



## Job Description:

The [International Chair in Marine Ecosystem Services](#) seeks an **out-of-the-box thinker** to join our research team. The new team member will lead our work on developing real time models and maps of cetaceans (whales and dolphins).

### Context

The research is part of the **European Union H2020 project called ECOPotential** ([www.ecopotential-project.eu/](http://www.ecopotential-project.eu/)). The research project involves the development of an integrated model that can combine ecological models of habitat suitability with data on whale and dolphin sightings from a wide variety of sources, including historical observations, satellite images (working with our partners at the British Antarctic Survey), one-off academic research findings, new sonar arrays, and even social media.

### Profile

We are looking for someone who can go beyond mechanistic approaches to **leverage the most cutting edge thinking in data sciences** (think deep learning, BBN, etc.). The goal of the project is to harness 21st century science to create new tools to help ships, boats, tourism operations, and marine conservation specialists do a better job of protecting and managing whales and dolphins.

We seek an **interdisciplinary researcher** with skills in combining vastly different types of data and using them to inform spatial models that can help us develop our models of cetaceans. The successful candidate will be the primary lead for our contribution to the ECOPotential project and join in our collaboration with a wide range of international academic partners, businesses, and civil society.

The successful candidate will report directly to the Chair, Linwood Pendleton, and will assist the Chair in developing a broader research agenda for the future.

### Duration

The position is a **2-year contractual position** with the possibility of renewal.

## Candidate Qualifications:

### Professional experience acquired to date:

- A doctoral degree (or equivalent real world experience),
- Evidence of an ability to manage large, divergent, and potentially chaotic sets of data and models,
- A demonstrated track record of working on interdisciplinary projects
- Some project management experience,
- At least a modest publication record (e.g. in peer-reviewed journals or other outlets specific to your experience)

### The candidate should have the following skills:

- Strong organizational skills.
- Be able to work independently and should be self-motivated. The candidate will work closely with the Chair and the Chair team to manage the research program and should be able to brainstorm, add value to ideas, and plan and execute actions. (Note: this is not an unstructured post-doc, this is a researcher position.)
- Be an innovative and catalytic thinker
- Write well in English and should be capable of writing or assisting in the writing of scholarly journal publications.
- Be available for global travel (<10%) and should enjoy working with collaborators from diverse cultures.
- Should feel comfortable working in a team that includes a variety of disciplines, nationalities, faculty, researchers, post-docs, and doctoral students.

### Languages

The candidate must be fluent in English. A good command of French is an asset. Other languages, especially Mediterranean languages are a plus.

### Where

The position is based in the Ocean Technopôle located in Plouzané, France, part of the Brest Métropole Océane. Perched above the Straits of Brest, the Technopôle is a unique, interdisciplinary home to the University of Brest, the European Institute of Marine Studies, the LabexMER, Ifremer, Telecom Bretagne and private enterprise.

### What is the International Chair in Marine Ecosystem Services?

The International Chair of Excellence ([www.AnthropOceans.org](http://www.AnthropOceans.org)) is a small team of international researchers led by Dr. Linwood Pendleton. The Chair team focuses on finding new interdisciplinary solutions to manage marine and coastal ecosystems and the benefits people derive from these systems. The Chair team is a founding member of the Collaboratorium for Ocean Innovation and Sustainability.

### How to Apply

Please send a CV or résumé, a short writing or graphic sample that shows your ability to communicate a complex idea, and a cover letter describing your qualifications and experience **before December 18, 2016** to [linwood.pendleton@univ-brest.fr](mailto:linwood.pendleton@univ-brest.fr) with a cc to [antoine.riviere@univ-brest.fr](mailto:antoine.riviere@univ-brest.fr).

References will be requested for shortlisted candidates.