



**MERCATOR  
OCEAN**  
INTERNATIONAL

## Oceanographer for the ocean seasonal forecast – M/W

Fixed-term contract for a defined  
purpose (24 months)  
Full time

### How to apply:

Send your cover letter and detailed resume with the following reference 2023-08/OO/OPSO to [recruitment@mercator-ocean.fr](mailto:recruitment@mercator-ocean.fr)

**Date of publication:** 01/08/2023

### About the job:

We are looking for an enthusiastic scientist sharing Mercator Ocean International's ambition and objectives. Our operational oceanography department is offering a 24-month fixed-term position to a candidate with the following profile: Oceanographer for the ocean seasonal forecast (M/W).

You will participate in the implementation of a seasonal oceanic forecasting system applied to the monitoring and forecasting of Sargassum algae in the tropical Atlantic.

More specifically, you will:

- Develop a global ocean seasonal forecasting system from an existing ensemble forecasting system and integrate it into an operational environment.
- Produce reforecasts on past periods.
- Integrate a Sargassum algae forecasting module into the Mercator software factory.
- Validate the results obtained by comparing them to previous studies, to reference simulations and to observations.
- Disseminate and valorize your work in peer-reviewed publications and international conferences.
- Finally define the different steps necessary to create a "what-if scenario" that can be installed on the EDITO platform from the chain of developed models.

### Assets for success:

You have an engineering or academic background in oceanography (preferred) with a working-experience in numerical ocean modelling.

- You have experience in the use of ocean models. Experience in marine biogeochemical modelling would be a plus.
- You have skills in scientific computing, programming languages (in particular Fortran and Python), version control software (git) and in the use of supercomputers and CLOUD platforms.
- You are a good listener, rigorous, dynamic, reactive and a strong team player, autonomous, capable of managing your time and deadlines, and you are eager to bring your technical and scientific ideas to ambitious projects.
- You are fluent in written and spoken English.

### Who are we?

Mercator Ocean International has been a pioneer in operational oceanography activities for nearly 25 years through its public service mission to preserve the ocean. Many scientific and societal challenges need to be met in order to ensure a sustainable ocean, whether they relate to the environment, biodiversity, climate change, the blue economy or education. To meet these challenges, we are required to constantly and in real time describe, analyze, and forecast the state of the global ocean using reliable numerical models, then make this information relevant and accessible to all — whether public or commercial services, manufacturers, policy makers, associations, NGOs, teachers or citizens. Mercator Ocean International thus combines scientific excellence and social commitment on a daily basis. As a non-profit company under multinational governance (ES, FR, GB, IT, NO), we work in a climate of trust with our nine shareholding partners, all key players in the development of European oceanography.

Mercator Ocean International has been conducting the Copernicus Marine Environment Monitoring Service (CMEMS) since 2014 on behalf of the European Union. CMEMS offers free, open access to scientifically validated operational information on the ocean to several thousand subscribers worldwide. To this end, the company

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coordinates a unique network of around 100 partners in Europe specializing in Earth observation and ocean forecasting.

Based at Toulouse in South-West France, the company's 100 or so contributors are all committed to achieving the United Nations' sustainable development goals.

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