



Oceanographer specialised in the validation of global ocean analysis and forecasting systems

fixed-term position
Full time position

About the job:

For a start as soon as possible in 2022, we are looking for an engineer/doctor in oceanography. Mercator Ocean offers a 12-month fixed-term contract for an oceanographer specialised in the validation of global ocean analysis and forecasting systems.

You will join the Analysis and Forecasting Systems Evaluation service, in the Operational Oceanography department of Mercator Ocean and you will contribute to the monitoring of the scientific quality of the global reanalysis, analysis and forecasting systems products, as well as to the production of global Ocean Monitoring Indicators.

More specifically, you will be in charge of:

- analysis of the quality (performance, reliability) of global products on an annual scale
- production and analysis of Ocean Monitoring Indicators (OMI) based on Mercator Ocean global systems

About you:

You are willing to work in a team on ambitious scientific and technical projects. You are particularly rigorous and organised, you are curious, dynamic, and reactive.

You have a minimum of 5 years experience in oceanography and have a PhD or master's degree, and experience in oceanography or climate physics.

Assets to succeed include:

- To know the fundamentals of oceanography and the context of operational oceanography.
- to know the methods of verification of oceanographic and atmospheric forecasts.
- to know the current and future oceanographic observation networks (physical or biogeochemical observations).
- to know the fundamentals of climate variability.
- Knowledge of numerical analysis, scientific programming languages (Python, Fortran), optimization for supercomputers, computer environments (LINUX, WINDOWS), configuration management (Gitlab).
- Fluency 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, analyse 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 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 coordinates a unique network of around 100 partners in Europe specialising in Earth observation and ocean forecasting.

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

Keywords: oceanography; global; validation; indicators; variability; operational

How to apply:

Send your cover letter and a detailed CV with the following reference 2022-02/OO/OVRG to recruitment@mercator-ocean.fr

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