

Mercator Ocean is the French ocean analysis and forecasting centre. It designs, develops, operates and maintains state-of-the-art scientific numerical-modelling systems that are able to describe, analyse and forecast the state of the ocean in 3D, continuously and in real time. Mercator Ocean is a subsidiary of five major French institutions involved in the development of operational oceanography – CNRS, IFREMER, IRD, Meteo France and SHOM. Mercator Ocean's activities include R&D, operational systems, expert forecasting and the services it provides to users around the world (scientists, public agencies, industry, etc.). The company is located at Ramonville Saint-Agne, near Toulouse.

In November 2014, the European Commission delegated the setting-up of the Copernicus Marine Environment Monitoring Service to Mercator Ocean. The service will be provided from the spring of 2015.

We are now looking for an

Oceanographer specialised in biogeochemical data assimilation (H/F)

to participate in the development of our international projects.

If chosen, you will work in the "Research and Development" department and will be responsible for developing the assimilation of biogeochemical data for the analysis and forecasting systems run by our services:

- You will develop, maintain and upgrade the methods for assimilating biogeochemical data.
- You will develop biogeochemical analysis and forecasting systems integrating modelling and data assimilation, and the coupling of physical and biogeochemical data.
- You will take part in the commissioning of analysis and forecasting systems for operational use, and provide scientific input for maintaining production systems, at the global or regional scale.
- You will contribute to European research projects and collaboration with external partners as well as to the Copernicus "marine monitoring" service.
- You will participate in the scientific exploitation of our work in projects and conferences at the national and international levels.

After five years of higher education or a PhD with a minimum of 5 years of professional experience (including your thesis) in data assimilation and/or modelling of marine biogeochemistry, you have mastered the use of physical and biogeochemical ocean models, methods of assimilating data (NEMO and PISCES are the models and SAM the assimilation method used at Mercator Ocean) and available ocean observations. You have developed proficiency in scientific computing, in programming languages (in particular Fortran) and in the use of supercomputers. Rigorous, well-organised and responsive, you wish to contribute your skills and your ideas to ambitious projects. Your sense of teamwork and ability to relate well to others allow you to share and transmit your knowledge. You speak and write English fluently.

Send your letter stating your reasons for applying, including a detailed CV as well as letters of recommendation with the reference 2015-01/RD/OADB to: recruitment@mercator-ocean.fr.

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