



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.

For five years, Mercator Ocean International has been conducting the Copernicus Marine Environment Monitoring Service 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. We are looking for new talent with similar objectives. Our R&D department is offering an 12-months term contract to someone with the following profile:

Oceanographer specialised in data assimilation (M/F)

Within the "Research and Development" Department you will contribute to the evolution of the physical and/or biogeochemical data assimilation in the global configurations (1/4° or 1/12°) or the regional configuration with high resolution (1/36 °) on the North East Atlantic and Western Mediterranean areas.

- You will develop physical and/or biogeochemical data assimilation in the global oceanic configurations or the "IBI" regional oceanic configuration at high resolution (1/36°) from the Mercator assimilation system SAM using the NEMO and PISCES modelling platform.
- You will perform simulations, qualify the analyses and forecasts performed and validate the results both technically and scientifically.
- You will guarantee the documentation of the implemented developments and you will participate in the scientific exploitation of results in conferences and workshops at the national and international levels and in writing scientific notes or publications.

After five years of higher education or a PhD with a minimum of 3 years of professional experience (including PhD thesis) in data assimilation, you have strong skills in the use of physical and/or biogeochemical oceanic models (NEMO and PISCES being the models used at Mercator).

You have strong skills in data assimilation, oceanography and developed proficiency in scientific computing, in programming languages (in particular FORTRAN) and in the use of supercomputers.

Rigorous, well-organized and responsive, your skills and your ideas will contribute to ambitious projects and to international collaborations to be initiated. Your innovative abilities and your results will contribute to teams optimizing performance of methods and systems. 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 **2019-07/RD/OAD** to: recruitment@mercator-ocean.fr no later than 30/08/2019

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