

## Oceanographer Machine Learning Applications – W/M

Permanent position –  
Full time position

### How to apply:

Send your cover letter and a detailed CV with the following reference 2023-01/00/OMLA  
To [recruitment@mercator-ocean.fr](mailto:recruitment@mercator-ocean.fr)

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### About the job:

We are looking for an oceanographer to ensure the development of validation software operated on the digital twin ocean (DTO).

The successful candidate:

- will develop validation software, including machine learning applications. The validation software will be modular and developed and tested on cloud platforms.
- will specify requirements, write specifications and supervise outsourced developments
- will be required to supervise developments and will supervise the validation of Mercator Ocean products present on cloud platforms and participate in the reporting on product's quality.
- will define and evolve the protocol for monitoring the quality of digital products.
- will ensure a scientific and technological watch on artificial intelligence and cloud-based tools for oceanography.
- will participate in national and international conferences, meetings and workshops to present recent results obtained at Mercator Ocean

### Assets to succeed include:

You have a PhD or Master's degree in oceanography, mathematics or computer science with a good understanding of operational oceanography and applications.

You have a minimum of 5 years of experience in python development for oceanography or earth science applications (including PhD) and experience in management of technical projects.

You have excellent interpersonal and communication skills, you can work well with multidisciplinary teams (research, production, communication) and build and maintain effective professional working relationships with colleagues across the organization and externally, particularly in an international team.

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

### 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 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 Service since 2014 on behalf of the European Union. Copernicus Marine 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 specializing in Earth observation and ocean forecasting.

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

#### MERCATOR OCEAN

INTERNATIONAL

2 avenue de l'aérodrome de Montaudran, 31400 Toulouse, FRANCE

Tél : +33 5 61 39 38 02 - Fax : +33 5 61 39 38 99

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2 000 000 € - 522 911 577 RCS Toulouse - SIRET 522 911 577 00024

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