Marine Institute Job Description

Position	**Physical Oceanographer (Technical Role) Scientific and Technical Officer – Oceanographic and Climate Services – MOSAIC PEACEPLUS Project**
Grade & Contract	**Scientific and Technical Officer (STO) Grade** **Temporary Specified Purpose Contract up to the 30th of September 2029.**
Service Group	**Ocean Climate and Information Services (OCIS)**
Location	**Marine Institute, Rinville, Oranmore, Co. Galway** **The Marine Institute has a Blended Working Policy in Place**

Who will you Work With and What Will The Role Involve?

You will work within the existing Ocean Observing team which is part of the Oceanographic & Climate Services (OCS) group at the Marine Institute.

You will assume a role as a physical oceanographer supporting the MOSAIC PEACEPLUS Project, a programme managed by the Special EU Programmes Body (SEUPB), and join the existing team of oceanographers, data analysts, and modellers to gather, analyse and generate services from oceanographic data with the group, other Marine Institute programmes and internationally available data sets. You will support our data collection at sea and work with our data management colleagues to robustly archive, quality assure and analyse the oceanographic datasets of interest to users. These include but are not limited to offshore weather buoys, conductivity, temperature and depth (CTD) profiles from ships, CTD from moored platforms and landers, ocean gliders, Argo floats and Acoustic Doppler current profilers.

The Marine Institute is currently undertaking a review of organisation structure, which when complete may impact the roles and duties of employees and bring about change. Any impacts or changes will be communicated.

What Will You Be Doing Every Day?

Principal Tasks:

Candidate would be expected to carry out duties related to several oceanographic activities such as:

- Contribute to the planning, development and management of oceanographic datasets to support the MOSAIC project aimed at providing concurrent oceanographic and animal tracking scientific data to inform existing and future marine environmental policies.
- Analyse and quality assure oceanographic data sets of relevance to MOSAIC e.g. offshore weather buoys, conductivity, temperature and depth (CTD) profiles from ships, CTD from moored platforms and landers, ocean gliders, Argo floats and Acoustic Doppler current profilers.
- Conduct seagoing oceanographic data collection on behalf of the Institute on the national research vessels and local vessels as required.
- Data archive to produce statistics, trends, and climatologies for MOSAIC researchers.
- Analyse oceanographic datasets to generate scientific publications.

- Assist in the procurement of goods and services required in support of our work, including liaising with manufacturers to assess the suitability of new equipment to our work programmes.
- Assist in the delivery and reporting of the MOSAIC Project.
- Attend relevant project meetings on behalf of the Marine Institute (as defined by the appropriate Section Manager or Director).
- Any other duties relevant to the programme, grade and role as required from time to time.

What do You Need to Have Done to Apply for This role?
(Education, Professional or Technical Qualifications, Knowledge, Skills, Aptitudes, Experience and Training)

Essential / Important:

- A minimum of a degree in a relevant scientific or technical subject (Physical Oceanography, Marine Science, Engineering, or related discipline with a sound numerical background).
- Familiarity with ocean observing data analytics. Experience working with oceanographic data sets, e.g. CTD, ADCP, gliders, Argo floats, and underway systems on ships and can demonstrate a good numeric ability.
- Basic Knowledge of quality assurance procedures, data handling and processing, and applying statistical or mathematical methods using appropriate software (e.g. Excel, Matlab, R).
- Proven track record in using one or more scripting languages, e.g. Matlab, Python or similar.
- Proven experience working with large databases (e.g. SQL).
- Effective numerical and literacy skills including report writing skills and a track record producing scientific reports and/or papers.
- Numerical skills to include handling large volumes of observational oceanographic data.
- Experience in a technical support role in the delivery of projects/service outputs.
- A high level of computer literacy and computer skills, including MS Office suite.
- Willingness to engage in outdoor work.
- Experience in working as part of a team with proven collaborative skills, including teamwork and wider project outreach and networking.
- The ability to work unsupervised with demonstrated ability to use initiative.
- The ability to be well organised and work to deadlines, identifying priorities and managing time effectively.
- Excellent interpersonal skills and the ability to communicate effectively at all levels, both in writing and verbally, with technical and scientific and non-technical groups.
- The ability to work unsupervised with demonstrated ability to use initiative.

Ideally Nice to Have / Desirable:

- A PhD degree in a relevant scientific discipline.
- Demonstrated relevant post-qualification work experience in an oceanographic research or services environment.
- A minimum of three years of relevant work experience in oceanographic data collection and analysis.
- High-level experience carrying out statistical analyses of oceanographic data.
- Track record in producing scientific publications as a main or co-author in recognised scientific journals.
- Track record in delivering services to clients/users.
- Understanding of Data Management processes & procedures.
- Sea-going experience or sufficiently fit to pass an ENG II Medical.

What else do you need to know?
(Special personal attributes required for the role)

- Possesses sound, balanced judgement and strong analytical abilities.
- Ability to effectively communicate results of teamwork in written, oral and audio-visual formats.
- An ability to work in an organised manner and progress work independently.
- Innovative, dynamic and reliable.
- Self-sufficient, while being a good team player.
- An interest in travel for international project meetings and seagoing activity.
- Good interpersonal skills.
- Possess a diplomatic manner, with the ability to resolve issues before conflict arises.
- Solutions-oriented with good initiative and problem-solving ability.
- Ability to meet multiple important deadlines.

Description of Service Group and the Wider Team

The mission of OCIS is "*to provide scientific, operational and analytical support and services to strategic RTDI and statutory monitoring programmes (at national and international level) to promote and support the sustainable development of Ireland's marine resources".*

Ocean Climate and Information Services (OCIS) incorporates:

- Information Services & Development
- Advanced Mapping Services
- Research Vessel Operations
- Oceanographic & Climate Services
- Marine Research Infrastructures

Oceanographic & Climate Services

The Oceanographic & Climate Services (OCS) section within OCIS is responsible for the delivery of scientific services to users based on oceanographic data in a wide variety of fields including fisheries, marine environment, aquaculture, search and rescue, tourism and leisure among others. The group is the primary user of both ocean observations and model forecasts and projections in Ireland. The group is comprised of physical oceanographers, ocean modellers, Remote Sensing specialists, project managers and administrators. The group also works with users of climate services in government departments and local authorities, assisting them in their preparedness for climate adaptation. In addition, the Oceanographic and Climate Services section works on various EU projects (e.g. EuroGO-SHIP). Example of past projects this group was involved in include the EuroSea H2020 flagship project on ocean observing and forecasting, Clean Atlantic, iFado, CE2COAST and CoCliME. The OCS team members are active in the International Council for the Exploration of the Seas (ICES), GOOS, EuroGOOS, Copernicus, GO-SHIP and the Joint Programming Initiatives for Oceans and Climate. We maintain a strong international collaborative network in oceanographic science.

Who Will You Report to / Who will Manage and Support You?:

The successful candidate will report to the Section Manager, Oceanographic and Climate Services.

What we offer

We value our staff, and we value their contribution to the work of the Marine Institute. In return for this, we provide benefits that promote a healthy work-life balance and which we hope will help them

to develop professionally. These include personal and career development, work/life balance policies, an employee assistance programme, "Bike to Work" Scheme, staff medicals and annual flu vaccination.

Training
A full range of training will be provided as required, on the job and through appropriate courses. Training needs will be identified through the Marine Institute Performance Management Development System (PMDS).

Contacts:

Within the Marine Institute:
OCIS Ocean Observing team members, OCIS Ocean Modelling team members, FEAS Researchers involved in MOSAIC, Section Manager of Oceanographic & Climate Services, Director of OCIS, Data Services Team, other Sections Managers, Team Leaders, Scientific and Technical Officers, and Postdoctoral Researchers across MI Service Groups.

External:
Leaders and partners in the projects that OCS are involved in nationally and internationally, members of Working Groups in which OCS are involved, e.g. ICES Working Group on Oceanic Hydrography, EuroGOOS Working Groups. Other stakeholders and collaborators in the area of ocean observing nationally and internationally.

Salary:

Remuneration is in accordance with the Public Sector, Department of Finance approved Salary Scale for Scientific & Technical Officer (Eng III) Grade which runs from €40,374 - €81,218 on a full-time basis per annum pro-rated with time worked. You will commence on the first point of the scale and become a member of the Single Public Service Pension Scheme unless you are currently or have worked in the Public Sector in the past 6 months and are a member of another Public Sector Scheme.

Annual Leave:

Annual leave entitlement for Scientific & technical Officer Grade is 25 working days per annum pro-rated to reflect time worked. Annual leave entitlements are exclusive of Public Holidays. All leave must be approved in advance in line with Marine Institute leave policies and using time and leave management system in place, by your manager or their authorised representative.

Duration of Contract:

This post will be filled on a temporary Specified Purpose basis up to 30th September 2029, subject to funding. The successful candidate will be on probation for the first six months.

Who is the Marine Institute?

The Marine Institute is a non-commercial semi-state body, which was formally established by statute (Marine Institute Act, 1991) in October 1992.

Under the Act, the Marine Institute was given the responsibility:

"to undertake, to co-ordinate, to promote and to assist in marine research and development and to provide such services related to marine research and development, that in the opinion of the

Institute will promote economic development and create employment and protect the marine environment".

The Marine Institute is Ireland's scientific agency responsible for supporting the sustainable development of the state's maritime area and resources. We do this through conducting applied research and providing scientific knowledge, advice and services to government, industry and other stakeholders and users. This policy advice capacity, our broad mandate, and the research programmes we fund and undertake, give us a unique insight into the science-policy interface and make us an exemplar in the provision of integrated ocean knowledge.

The Marine Institute provides a broad range of essential scientific support to its parent department, the Department of Agriculture, Food and the Marine (DAFM). There is an increasing demand from Government for the data and evidence that are essential to inform national policy and to underpin the state's governance of our maritime area. Through laboratory, field and seagoing work, the Institute carries out statutory environmental, fisheries and aquaculture surveys, seafood testing and other monitoring programmes assigned by government. The Institute plays an important role in supporting the state's response to the impacts of our changing seas and oceans, through working with the national and international scientific community to observe, study and understand our changing oceans. This essential scientific advice supports industry, protects consumers and underpins legislative and other obligations aimed at the protection and management of the marine environment.

Our vision - *The Marine Institute is a national and international leader in ocean knowledge that benefits people, policy and planet.*

Our Mission - *The Marine Institute provides scientific, research and development services to government, agencies, industry and society that support the sustainable use of our maritime area, the protection and restoration of marine ecosystems, and promote a shared understanding of the ocean.*

There are 6 broad service areas within the Marine Institute: (1) Ocean, Climate and Information Services, (2) Marine Environment & Fish Health Services, (3) Fisheries Ecosystems Advisory Services, (4) Irish Maritime Development Office, (5) Policy, Information and Research Services and (6) Corporate Services.

The Marine Institute 5 Year Strategic Plan (2023 to 2027) is available Here

How to Apply:

A C.V. and letter of application, summarising experience and skill set applicable to the position should be emailed to recruitment@marine.ie or posted to Human Resources at the Marine Institute, Rinville, Oranmore, Galway, H91 R673. All correspondence for this post should quote reference **OCIS/STO/MOSAIC/NOV26**

Closing date for Applications:

All applications for this post should be received by the Marine Institute in advance of **12 noon, Friday 13th of November 2026.** Unfortunately, late applications cannot be accepted.

Eligible Candidates must be:
1. A citizen of the European Economic Area (EEA). The EEA consists of the Member States of the European Union, Iceland, Liechtenstein, and Norway; or

2. A citizen of the United Kingdom (UK); or
3. A citizen of Switzerland pursuant to the agreement between the EU and Switzerland on the free movement of persons; or
4. A non-EEA citizen who is a spouse or child of an EEA or UK or Swiss citizen and has a stamp 4 or a Stamp 5 visa.

Use of Data - all personal data and the information submitted for this application will be used solely for the purpose of this campaign, after which it will be deleted in line with our General Data Protection Regulation (GDPR) Policy and data retention schedule. All information will be treated with the strictest confidence and accessed only by those involved directly in the campaign.

The Marine Institute is an organisation that champions Diversity, Inclusion & Equality for all. We encourage and welcome applications from anyone interested in this role.

Please do advise if there are any special accommodations required for the recruitment process. We are here to help you access opportunities with us.