

# Engineer Position at the EURO-ARGO ERIC OFFICE (M/F)

**Contract type:** Fixed-term contract (12 months, potentially renewable up to 18 months in total)

**Start:** September 2020

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**Institute** ► EURO-ARGO ERIC, ZI du Technopôle Brest Iroise, 1625 route de St Anne, 29280 Plouzané, France

**Responsible** ► Sylvie Pouliquen - Programme Manager

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**Context:** The Euro-Argo ERIC is a European Research Infrastructure Consortium with a legal statute registered at the European Community since May 2014. The Euro-Argo Research Infrastructure (RI) aims to ensure the sustainability of the overall European contribution to the Argo international programme – deploying and maintaining a global network of oceanic profiling floats. The Euro-Argo RI federates the national contributions to the international Argo programme (<http://www.argo.ucsd.edu/>). The Euro-Argo ERIC is also in charge of:

- the overall European coordination,
- the support to deployment activities,
- the European fleet monitoring,
- the survey of the data flows to the European Data centres (Coriolis, BODC) and Argo Global Data Centre (GDAC), the modelling facilities (European Copernicus Marine and Environment Monitoring Service and National Operational Services) and the European databases (SeaDataNet, EMODnet).

In the scientific domain, Euro-Argo missions are 1/ to promote and coordinate the Euro-Argo strategy and to develop an implementation plan within the Argo international context, 2/ to promote the scientific results achieved by Euro-Argo partners, and 3/ to coordinate joint scientific activities that have been defined by the Euro-Argo management board and endorsed by the council. Some of these activities are carried out within European projects.

In the frame of the Euro-Argo operational activities, Euro-Argo-RISE and EuroSea projects, the Euro-Argo ERIC office is opening a fixed-term engineer position, to reinforce its team and ensure scientific and technical expertise of the ERIC in partnership with its members and observers.

**Missions:** The recruited person will participate in Euro-Argo activities that require oceanographic and instrumentation skills. Using existing procedures/tools or developing new ones, she/he will assist the Operational Engineer in organising the technical activities (acceptance tests, pre-deployment qualification, and programming) of batches of Argo profiling floats, from the earlier stage (procurement, handling and storing) to the latest ones (transport logistics, deployment, at sea monitoring and network survey). She/he will be involved in data analysis of both technical (e.g. float batteries, etc.) and oceanographic (Argo CTD and BioGeoChemical) data.

The engineer will take part into the European projects the Euro-Argo ERIC is involved in, and to the whole technical activities of the infrastructure. In interaction with the Operational Engineer and the Science Officer, she/he will support Euro-Argo in monitoring the Argo fleet in terms of performance (e.g. floats life expectancy) and improving Argo data quality.

**Activities** ► Within the Euro-Argo ERIC, the person recruited will be in charge of:

- Participate in the planning of the infrastructure technical activities (procurement of floats and acceptance tests schedules, turnover of materials)
- Take charge of profiling float batches, acceptance procedures and tests, handling and storing, transport logistics, writing of technical reports
- Monitor of the European fleet together with the Euro-Argo ERIC members and observers
- Perform detailed analysis and statistics of the Euro-Argo fleet behaviour at sea and provide recommendations for evolution of Euro-Argo fleet technical monitoring
- Survey of the data flow quality for the ERIC floats, in interaction with the science teams
- Support data management activities and work with members (in particular Ifremer, BODC, BSH and OGS) in developing either methods, tools, training material or datasets in support of Euro-Argo activities,

**Educational Requirements:**

- Engineering/Master Degree in one of the following domains: physical oceanography, marine environment, meteorology, scientific instrumentation, metrology, biology
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**Expected skills:** The candidate will be asked for:

- Experience of marine instrumentation
- Knowledge of ocean in-situ sensors sensing principles (CTD, optics, etc.) would be an advantage
- Experience of marine data analysis
- Use of database tools, good scientific programming ability in one of the common computing environments (MATLAB, python, R – not restrictive) would be an asset
- Good level in scientific English (written and spoken)
- Experience in technical work (use of workhouse tools, light handling/lifting materials) is an asset
- 1 to 2 years' experience appreciated

**Personal Qualities:**

- Autonomy in the work environment
- Rigour and accuracy abilities
- Good interpersonal skills, including ability to work in a small team
- Synthesis capability

**Working Environment:**

- Fixed term 12 months position based at the Euro-Argo ERIC office, Plouzané, France.
- The candidate will integrate the Euro-Argo ERIC Office team.
- Office desk and onshore technical activities (warehouse, Ifremer test facilities)
- Some professional travels could be envisaged (workshops, etc.).

**Application:**

- Please send a Resume and Cover Letter to: [euroargo@ifremer.fr](mailto:euroargo@ifremer.fr)

**Application format:**

- Language: English
- Format: pdf files
- File naming: **EA-2020-*your lastname*-resume.pdf**  
and **EA-2020-*your lastname*-letter.pdf**

**Application Deadline: 05 July 2020**

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**More information:**

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