

*EMSO ERIC is an equal opportunity employer. As such, it does not discriminate in terms of race, age, gender, religion or sexual orientation.*

## Vacancy details

**IT Analyst** at the EMSO ERIC (European Multidisciplinary Seafloor and Water-Column Observatory European Research Infrastructure Consortium) Central Management Office (CMO)

The European Multidisciplinary Seafloor and water-column Observatory (EMSO) is a Research Infrastructure at fixed-point monitoring nodes connecting European marine research facilities: from the North Atlantic, to the Mediterranean and the Black Sea. It currently comprises 12 (twelve) open ocean facilities including 3 (three) shallow water test sites (see [www.emso.eu](http://www.emso.eu) for details).

EMSO is a new European Institution set up as an ERIC (European Research Infrastructure Consortium) by decision of the European Commission (September 29, 2016). Its members are currently States from the European Union although it is open to external members.

Application deadline: April 7th, 2023, at midnight (Rome local time)

Expected starting date: May 2nd, 2023

Type of contract: fixed-term professional consulting contract

Duration: 12 months, renewable for additional 12 months under the same conditions.

Required effort: 1.290 hours

Max. Gross remuneration: 35,000 Euro inclusive of all contributions required by Italian tax regulations. Missions' allowances authorized travel expenses and travel subsistence cost are to be reimbursed by EMSO ERIC.

Employer: EMSO ERIC.

Location: EMSO ERIC Headquarters in Rome, Italy. Given the nature of the work to be performed, the work can be carried out remotely.

Responsible to: EMSO ERIC Director General and Director of IT and Data Services.

### Summary:

EMSO ERIC is launching a Vacancy Call for a referenced and experienced IT analyst specialized in the development, deployment and maintenance of information systems and data platforms.

### Position Responsibilities:

- Development, deployment and maintenance of software components and web platforms associated with EMSO ERIC data systems.
- Integration of software modules such as APIs and software tools into EMSO ERIC data systems.
- Support the EMSO ERIC Director of IT and Data Services within the European R&D projects funded to EMSO ERIC.

### Required qualifications & competencies:

- B.S. Degree in Marine science with training on data science.
- Proven hands-on experience with data analysis and visualization.
- Advanced Python programming and RESTful APIs.
- Proven hand-on experience with containerization technologies (e.g., docker).
- Advanced skills with web technologies, including HTML, CSS, JavaScript, Angular, Node.js PostgreSQL/MySQL.
- Proven hands-on experience with Matlab, Octave, R.
- Knowledge of artificial intelligence/machine learning and frameworks.
- Extensive experience with Authentication and Authorization Infrastructures, including Keycloak, EGI Check-In service, and EOSC Core Infrastructure Proxy.
- Work experience with European marine data repositories.
- Written and spoken English.



Desirable skills and competences:

- Knowledge of EMSO ERIC Regional Facilities/Test Sites.
- Proven knowledge and hands on experience with Data Management Platforms, including APIs and data portals.
- Proven experience developing quality control tests for oceanographic data (e.g., QARTOD) and qualification of data.
- Experience on biological and climatological data studies.
- Proficiency in an additional major European language constitutes an advantage.
- Applicants must declare to have a clean criminal record.
- Applicants must be willing and ready to travel throughout Italy and abroad.
- Ability to work under pressure and handle multiple problems simultaneously.
- Previous experience in a European R&D project reporting and in ERIC Research Infrastructures.
- Submissions are encouraged from citizens of the European Union and Associated Countries.

Working conditions:

- Duties may entail travel within and outside Europe.
- Occasional work and travel on weekends and holidays may be required even on-line, holidays and after hours may be required.

Application Procedure:

- Applications should be addressed to the EMSO ERIC Director General and submitted by email to [recruitment@emso-eu.org](mailto:recruitment@emso-eu.org), including a single pdf file including CV, cover letter
- The deadline for submission is April 7th, 2023, at midnight (Rome local time)
- Any specific enquiries about this job posting should be sent to [recruitment@emso-eu.org](mailto:recruitment@emso-eu.org) specifying the term of the sought position.

