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## Vacancy details

### Call for position of an IT position 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 Arctic through North Atlantic, to the Mediterranean and the Black Sea. It currently comprises twelve open ocean facilities including three shallow water test sites (see [www.emso.eu](http://www.emso.eu) for details).

EMSO is a 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 other external members.

Application deadline: 15<sup>th</sup> September 2021

Estimated starting date: 15<sup>th</sup> October 2021

Type of contract: fixed-term employment contract

Duration: 24 months (including a 6 month's probation period)

Required effort: Full-time employment and fixed-term contract

Gross remuneration: 45.000 Euro (stipendio lordo) inclusive of contributions required by Italian tax and social security regulations for the above-mentioned employment contract type. 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

**Job Profile:**

EMSO ERIC is seeking candidates for an Information Technology position at the European Multidisciplinary Seafloor and water-column Observatory Research Infrastructure Consortium (EMSO ERIC) in Rome, Italy. The successful candidate will operate as the DevOps Cloud and Technical Support Engineer at EMSO ERIC, based in the Central Management Office (CMO) premises in Rome, Italy. He/She will provide IT engineering support to European-funded projects which will be indicated in the employment contract and assistance to the CMO in the operations and maintenance of the IT infrastructure/services and support EMSO ERIC members.

**Position responsibilities**

He/She will provide IT support to different aspects of systems and software support, including but not limited to implementation, deployment, maintenance, monitoring, performance analysis, networking and security. He/She will work closely under the supervision of the IT director, collaborate with other team members, and be engaged in multiple platforms and IT-related disciplines. The to be selected person will provide support in building solutions to automate as much of IT operations as possible, including design, development, test, and deploy custom workflows and scripts within the cloud infrastructure that can be used for integration, deployment, monitoring, compliance, or other ongoing routine IT tasks.

This individual will also administer, monitor, and troubleshoot infrastructure, networking items, enterprise cloud infrastructure, and day-to-day end-user support. Support activities may account for about 25% of his/her time. He/She will routinely interact with people of diverse backgrounds and nationalities from within and outside the EMSO ERIC organization, so excellent interpersonal and communication skills are necessary.

The job allows international visibility and exposure to European and international scientific bodies in marine research in a multi-cultural and stimulating professional environment and can provide additional opportunities for the candidate professional and technical growth.

**Essential Skills and Competencies:**

- Bachelor's Degree in Computer Science or Information Technology or Engineering or other bachelors in related field or even an applicable professional certification showing at least three years of relevant technical and analytical experience.
- Minimum 2 years of coding experience with an understanding of IT automation and



infrastructure as code (e.g., bash, Python, C/C++, Java, Ruby, Ansible, Chef, Jenkins, Terraform).

- Experience with cloud technologies (e.g., AWS and Openstack) and container and orchestration platforms (e.g., Docker, Kubernetes).
- Experience in design, implementation and management of databases, Linux server administration, and IT and cloud operations.
- Knowledge of big data frameworks (e.g., Apache Hadoop/Spark, Kafka, Elastic, Kibana, Grafana, etc.)
- Experience in managing operation logs and backups.
- Knowledge in continuous integration/delivery/configuration management.
- Low to medium supervision needed, takes the initiative in monitoring and troubleshooting issues that arise.
- Experience in developing and managing virtual working environments, including Windows/macOS user support and project management tools.
- Experience in helpdesk and ticketing systems.
- Communication and presentation skills to engage technical and non-technical audiences.
- Ability to demonstrate courtesy to team members and internal employees while maintaining a professional standard in daily work tasks.
- Fluent in written and spoken English.

#### **Desirable Skills and Competencies**

- Knowledge of web content management systems (e.g., WordPress, Drupal).
- Knowledge of web development frameworks (e.g., Angular, Django, Flask).
- Provision of IT support for computers, networks, printers, and any other IT devices.
- Google Workspace administration.
- Project management software set-up and management, using available tools.
- Knowledge of networking.

#### **Personal Attributes Desired for the Position**

- Strong interpersonal abilities.
- Strong team-work skills.
- Ability to work also under pressure.
- Highly motivated, precise and rigorous.



### **Working Conditions:**

- The main place of work will be the EMSO ERIC Headquarters in Rome, Italy.
- Work can be occasionally requested online during some weekends and holidays.
- Work development might occasionally fulfil deadlines with short notice.

### **Selection Procedure**

#### **Application**

Applicants should send

- i. a CV along with a covering letter as a single PDF document summarizing their relevant experience and expertise and motivations for wanting to join EMSO.
- ii. names and contact information of at least two references.

Applicants must declare to have a clean criminal record.

#### **Interview**

The selected candidates will be notified and invited to participate in an individual interview to be held either in person or online. In the interview, the candidate will be asked about real IT simulations examples and to carry out hands-on test exercises to assess his/her technical competence on IT with a focus on DevOps and Cloud systems administration practices.

#### **Application Deadlines**

- i) Applications should be submitted not later than 15-09-2021 (at midnight Rome local time) by email to [recruitment@emso-eu.org](mailto:recruitment@emso-eu.org), addressed to the Director General of the EMSO ERIC, with the following subject heading: "DevOps Cloud and Technical Support Engineer Vacancy".
- ii) 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.
- iii) The final outcome of the selection is expected to be communicated to all final-round candidates by September 30<sup>th</sup> 2021.

