

Job Title: Earth Observation Technology and Frequency Management Engineer

Req ID 5381 - Posted 28/06/2018



EUROPEAN SPACE AGENCY

Vacancy in the Directorate of Earth Observation Programmes.

ESA is an equal opportunity employer, committed to achieving diversity within the workforce and creating an inclusive working environment. Applications from women are encouraged.

Post

Earth Observation Technology and Frequency Management Engineer

This post is classified A2-A4 on the Coordinated Organisations' salary scale.

Location

ESTEC, Noordwijk, The Netherlands

Description

Earth Observation Technology and Frequency Management Engineer in the Future Missions and Instruments Division of the Future Systems Department, Directorate of Earth Observation Programmes.

Duties

Reporting to the Head of the Technology Coordination and Frequency Management Section, the postholder will in performing these tasks work in close cooperation with staff in the Future Systems, the Projects and the Mission Management & Ground Segment Departments, while liaising with the Directorate of Technology, Engineering & Quality and the Agency's Frequency Management Office.

Duties include responsibility for the following tasks related to EO technology:

- identifying technology requirements for future EO missions and programmes,
- monitoring and reporting the evolution of EO-relevant technologies including from new emerging applied sciences,
- defining and managing technology development activities for the preparation of EO missions in coordination with other Directorate Divisions,
- contributing to coordination of preparation of ESA R&D programmes at corporate and Directorate level for EO space and ground segment aspects,
- initiating and performing internal studies to assess the results of industrial activities,
- monitoring and reporting the evolution of EO-related technology activities in the technology programmes of ESA and its Member States.

The postholder will also support the Section in the following tasks:

- analysing requirements and constraints of EO missions under preparation with respect to frequency allocation and interference, providing specific support to preparatory activities and to projects to an extent to be determined case-by-case,
- monitoring the evolving frequency needs of future EO missions, including early concepts, and potential conflicts with competing areas,
- participating as needed in the work of technical committees in the framework of the International Telecommunication Union (ITU), the European Conference of Postal & Telecommunications Administrations (CEPT) and the Space Frequency Coordination Group (SFGG), conducting studies to support the ESA position in these committees.

In performing these tasks, the postholder will have close contacts with representatives of industry and other space agencies.

Technical competencies

Knowledge of ESA missions specific frequency management issues

Knowledge of ESA technology programmes and the organisation of R&D activities

Knowledge of scientific discipline, including strategic vision of the area of Earth Observation

Behavioural competencies

Teamwork

Ability to conduct research autonomously

Education

Applicants should have a Master's or equivalent university degree in an engineering discipline or in applied physics as a minimum, with relevant background and at least 5 years experience in space technology development.

Additional requirements

Familiarity with remote-sensing systems is an asset, as is experience in frequency management and/or signal processing.

Other information

For behavioural competencies expected from ESA staff in general, please refer to the ESA Competency Framework.

The working languages of the Agency are English and French. A good knowledge of one of these is required. Knowledge of another Member State language would be an asset.

The Agency may require applicants to undergo selection tests.

The closing date for applications is 09 August 2018.

If you require support with your application due to a disability, please email contact.human.resources@esa.int.

Please note that applications are only considered from nationals of one of the following States: Austria, Belgium, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Luxembourg, the Netherlands, Norway, Poland, Portugal, Romania, Spain, Sweden, Switzerland, the United Kingdom and Canada and Slovenia.

According to the ESA Convention the recruitment of staff must take into account an adequate distribution of posts among nationals of the ESA Member States. When short-listing for an interview, priority will first be given to internal candidates and secondly to external candidates from under-represented Member States. (<http://esamultimedia.esa.int/docs/careers/NationalityTargets.pdf>)

In accordance with the European Space Agency's security procedures and as part of the selection process, successful candidates will be required to undergo basic screening before appointment.

Recruitment will normally be at the first grade in the band (A2); however, if the candidate selected has little or no experience, the position may be filled at A1 level.