

Job Title: Space Weather Space Segment Coordinator

Req ID 8593 - Posted 17/12/2018



EUROPEAN SPACE AGENCY

Vacancy in the Directorate of Operations.

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

Space Weather Space Segment Coordinator

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

Location

ESOC, Darmstadt, Germany

Description

Space Weather Space Segment Coordinator in Space Weather Office, Space Safety Programme Office, Directorate of Operations.

Duties

Under the direct authority of the Head of the Space Weather Office and as part of the Space Safety Space Weather team, the postholder will be responsible for definition, design and implementation of the space segment of the Space Safety Space Weather System. The postholder will in particular coordinate the development of the Distributed SWE Sensor System (D3S), related instruments and missions, and also support development of deep space SWE missions including the mission to L5.

The main duties involve definition and coordination of the space segment required to collect the measurement data for operational space weather services, in particular:

- managing measurement and system requirements for D3S;
- coordinating D3S measurement requirements with Space Weather Service Coordinator;
- managing instrument, platform and mission development activities for D3S including level 1 data processing;
- identifying and implementing technology developments for the Space Weather space segment;
- supporting L5 space weather mission studies;
- leading selected L5 mission instrument preparatory activities and development;
- supporting preparation of L5 mission Phase C/D/E implementation;
- supporting overall coordination of the SWE measurement system using space-borne and ground-based measurement data;
- interfacing with teams in other ESA Directorates for the implementation of space missions, mission elements and technology development activities (e.g. instrument prototypes, feasibility studies);
- participating in programme, project and mission reviews and evaluations of procurement packages as required.

The post holder will also assist the Head of Space Weather Office with other space segment related tasks, as required.

Technical competencies

Technical management experience, specifically with challenges arising from both spacecraft and payload development
Hands-on hardware experience
Experience in spaceborne optical instrument development
Experience in technology development or space mission design or implementation

ESA space systems procurement, development and verification processes and standards (incl. code of best practices and project reviews)

Multi-disciplinary knowledge of area of responsibility

Spacecraft systems knowledge

Behavioural competencies

Planning & Organisation

Teamwork

Communication

Problem Solving

Results Orientation

Additional requirements

Applicants should have a minimum of five years' experience of working on space engineering projects. This should include practical work in implementing a spaceflight mission including flight hardware development. Experience in satellite system engineering will be an asset.

Candidates should have good interpersonal and communication skills. They should have the ability to work autonomously, effectively and cooperatively in a diverse and international team environment and to define and implement solutions in line with team and individual objectives and project deadlines.

Education

A university degree (Master's level) or equivalent qualification in spaceflight instrumentation or space physics.

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 14 January 2019.

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.