

Job Title: Ocean and Ice Senior Scientist

Req ID 9544 - Posted 30/04/2020



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

Ocean and Ice Senior Scientist

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

Location

ESTEC, Noordwijk, The Netherlands

Description

Senior Scientist in the Earth Surfaces and Interior Section in the Earth and Mission Science Division of the Science, Applications and Climate Department, Directorate of Earth Observation Programmes.

Duties

Under the authority of the Head of the Earth Surfaces and Interior Section of the Earth and Mission Science Division of the Science, Applications and Climate Department, your main tasks and responsibilities will be:

- providing Mission Scientist and accompanying scientific study management support to new mission concepts, preparatory and mission development activities of approved missions, in-orbit commissioning phase calibration/validation, or the operations phase, to ensure their payloads and the end-to-end system fulfil the relevant mission requirements;
- establishing, maintaining and convening international advisory groups related to these missions; initiating and conducting in-house and external scientific studies; organising mission-specific science workshops/conferences, supporting geophysical algorithm development and related research;
- providing scientific support and advice to EO Ocean and Ice Surface mission teams across the respective FutureEO, Earth Watch, Copernicus and Operational Meteorology Programme domains; and maintenance of external interface to the European Commission and EUMETSAT for the corresponding mission advisory structures;
- supporting identification and critical review of requirements originating from the EO user communities and advising the Head of Section on their interests and aspirations;
- managing implementation of independent peer review of Earth Surfaces Mission Ideas or Mission Concept Proposals in response to Agency Calls;
- communicating research results in connection with Earth Surfaces missions, and serving as ESA Ambassador at relevant events such as scientific conferences and user consultations;
- managing, supervising and monitoring external scientific study contracts and KPI reporting, quarterly reporting.

You will be expected to work closely with the Future Systems, Projects and the Mission Management and Ground Segments Departments to perform delegated activities requiring the Earth Surfaces and Interior section's scientific expertise and manpower support.

Technical competencies

Knowledge of Ocean and Ice scientific discipline, including use of active microwave sensors in Earth Observation in the Ocean and Ice domain

Knowledge of ESA Earth surfaces missions under study or implementation

Knowledge of active/passive sensors

Knowledge of space projects, including instrumentation and operations
Knowledge of the role of mission science during different mission phases
Knowledge of international scientific community

Behavioural competencies

Ambassadorship
Communication
Problem Solving
Planning & Organisation
Relationship Management

Education

PhD or equivalent degree in relevant scientific disciplines.

Additional requirements

10 years' relevant proven experience (including PhD) in Earth observation satellite remote sensing-based Earth surfaces sciences. You will be familiar with current and future planned concepts, instrumentation and plans within the relevant EOP programme domains. Particular importance will be attached to your capabilities to function in a team, credibility within the EO remote-sensing science community and familiarity with the programmatic outlook in the EarthExplorer, EarthWatch and Copernicus domains.

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 21 May 2020.

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.