

Job Title: Internal Research Fellow (PostDoc) for Earth Surface and Interior Future Mission Science

Req ID 9126 - Posted 19/12/2019



EUROPEAN SPACE AGENCY

Research Fellowship Opportunity 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 Internal Research Fellow (PostDoc) for Earth Surface and Interior Future Mission Science

This post is classified F2.

Location ESTEC, Noordwijk, The Netherlands

Our team and mission

You will report to the Head of the Earth Surface & Interior Section, Earth & Mission Science Division, Science, Applications & Climate Department, Directorate of Earth Observation Programmes. You will work in close cooperation with other Division and Directorate staff. The Division is a dynamic team leading R&D activities, in partnership with European and international industry and academia, aiming at advancing science, developing future space missions, novel applications, supporting industry growth and contributing to maximise the science impact of existing and future missions.

- Our main activities are related to missions focussing on processes at, near or beneath Earth's surface:
- studying the feasibility of science and applications of new space-based mission concepts in the Earth system science domains of oceanography, solid Earth, cryosphere, geodesy and land surface;
 - studying the aspects related to simulating and generating products for new concepts;
 - analysing existing ESA mission data and campaigns, possibly together with data from other missions with a view to future ideas;
 - carrying out mission science for Earth Explorer research missions GOCE, SMOS, CryoSat, Swarm, Biomass, FLEX, Harmony (formerly STEREOID) and Hydroterra (formerly G-CLASS), for Copernicus missions Sentinel-3 and Sentinel-6, and for High-Priority Candidate Missions CRISTAL and CIMR;
 - studying other future concepts such as Next-Generation Gravity Mission.

For more information, you are encouraged to visit the ESA website: http://www.esa.int/Our_Activities/Observing_the_Earth/Highlights/Earth_observation_mission

Field(s) of activities/research

You will contribute to Division activities related to the abovementioned missions or to new concepts for the future, and to topics related to processes at, near or below Earth's surface.

You will have the opportunity to work with the relevant scientific experts in the Division.

Technical competencies

Knowledge relevant to the field of research
Research/publication record
Ability to conduct research autonomously
Breadth of exposure coming from past and/or current research/activities
General interest in space and space research
Ability to gather and share relevant information

Behavioural competencies

Innovation & Creativity
Continuous Learning
Communication
Relationship Management
Self Motivation
Problem Solving
Cross-Cultural Sensitivity

Education

Applicants should have recently completed, or be close to completion of a PhD in a related technical or scientific discipline. Preference will be given to applications submitted by candidates within five years of receiving their PhD.

Additional requirements

You should have broad knowledge of Earth surface and/or interior research. You should have good analytical and communication skills and be able to work in a multicultural environment fairly autonomously.

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.

Other information

For behavioural competencies expected from ESA staff in general, please refer to the [ESA Competency Framework](#).

The Agency may require applicants to undergo selection tests.

The closing date for applications is 23 January 2020.

In addition to your CV and your motivation letter, please add your proposal of no more than 5 pages outlining your proposed research in the "additional documents" field of the "application information" section.

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, and the United Kingdom. Nationals from Slovenia, as an Associate Member, or Canada as a Cooperating State, can apply as well as those from Bulgaria, Cyprus, Latvia, Lithuania and Slovakia as European Cooperating States (ECS).

Priority will first be given to candidates from under-represented Member States.

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