

# Job Title: Earth Observation Campaign Coordinator

Req ID 7841 - Posted 19/10/2018



## 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 Campaign Coordinator

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

### Location

ESTEC, Noordwijk, The Netherlands

### Description

Earth Observation Campaigns Coordinator in the Earth and Mission Science Division in the Science, Applications and Climate Department, Directorate of Earth Observation Programmes.

### Duties

The postholder reports to the Head of the Campaigns Section in the Earth and Mission Science Division of the Science, Applications and Climate Department.

The campaign coordinator is responsible for development and implementation of airborne and ground campaigns leveraging new developments such as UAVs, High Altitude Pseudo-Satellites or Platforms (HAPS) to support current and future Earth Observation (EO) missions including mission design, science consolidation, algorithm development, and calibration and validation of data products. The incumbent is also expected to coordinate scientific advice and support for EO missions lying within their field of expertise.

With the support of the Division's other scientific Sections and the Campaign Coordinators, the postholder's specific tasks include:

- supporting in the identification and critical review of requirements from the EO user communities for use of airborne platforms and instrumentation including HAPS in relation to preparation or development of future or current ESA EO missions;
- campaign planning, monitoring of campaign execution and coordination with national and international organisations based on mission requirements and on critical needs originating from all EO Programmes including science and technology needs and new initiatives such as Big Data, Machine Learning, SmallSats and others;
- support end to end implementation of the HAPS pilot project activities encompassing definition of HAPS pilot demonstrations, integration and management of critical requirements and science and technology needs originating from all EO Programmes, and monitoring campaign implementation/execution;
- coordinating data dissemination and data analysis from all activities, and facilitating the successful uptake of the results into EO mission design, development, exploitation and service development as well as use of campaign data use in new EO domains (e.g. Big Data, Machine Learning);
- ensuring fitness for purpose with respect to the declared campaign objectives, managing contractual implementation, maintaining consistency with planning and financial constraints, including negotiation of contract changes or corrective action as required;

- liaising and coordinating with the TIA and NAV Directorates on cross-cutting elements and activities.

The postholder will be expected to work closely with other Sections in the Division and other Earth Observation Departments, Earth Observation Projects, Mission Managers, and to maintain close links with ESA teams involved in preparing future missions and instrument technologies, instrument calibration, product validation, data processing and utilisation and Space 4.0 (NewSpace) initiatives.

As member of the Earth Sciences Division, the postholder is also expected to contribute to mission science tasks based on the needs of the current portfolio of EO missions under study or in development, including:

- supporting the identification and critical review of requirements by the EO science communities;
- being responsible for establishing mission requirements, drafting and maintaining the mission requirements document, ensuring end-to-end compliance of performance with requirements;
- running international advisory groups;
- conducting and supervising in-house and external scientific studies.

### **Technical competencies**

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

Knowledge of space projects, including instrumentation and operations

Knowledge of EO science, products, applications and services

### **Behavioural competencies**

Strategic vision & business context

Fostering cooperation & effective team-working

Planning & Organisation

### **Additional requirements**

An ability to work effectively with industry, engineers and scientists in fostering strong collaborative relationships and to gain credibility and earn respect are important. Strategic thinking and awareness of the wider context for ESA campaign activities are considered important. Willingness to travel for on-site campaign coordination and progress meetings is required. The successful incumbent should possess good communication, problem solving skills and be results oriented.

In addition experience in linking remote sensing science to NewSpace developments such as SmallSats, Machine Learning, High Altitude Platforms as well as Earth Observation missions in general are considered an strong assets for the position.

### **Education**

Applicants should hold a Master's or Doctorate University Degree in an appropriate scientific or engineering field.

### **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 18 November 2018.**

If you require support with your application due to a disability, please email [contact.human.resources@esa.int](mailto:contact.human.resources@esa.int).

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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.