

Job Title: EO Security Applications Engineer

Req ID 8630 - Posted 19/12/2018



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

EO Security Applications Engineer

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

Location

ESRIN, Frascati, Italy

Description

Earth Observation Security Applications Engineer in the Enterprise Section, Data Applications Division, Science Applications & Climate Department, Directorate of Earth Observation Programmes.

Duties

The postholder will be responsible for building up increased use of civilian EO capabilities in all security domains consistent with the ESA Convention. This will initially include law enforcement (environmental crime, crimes against humanity, proliferation, organised crime and terrorism), intelligence analysis, actions addressing fragility, conflict and violence and civil/military cooperation in Earth observation. Responsibilities include:

- engaging key stakeholders from the law enforcement/security community, identifying opportunities for strategic collaboration at international/national level;
- building awareness and acceptance of civilian EO capabilities among law enforcement/security-sector stakeholders to foster longer-term adoption, consolidating their information requirements;
- identifying and addressing structural impediments to the take-up of civilian EO-based products/services in the law enforcement/security domain;
- defining and implementing innovative projects to foster the use of civilian EO in this domain;
- assessing EO science and applications developments (data analytics, artificial intelligence, etc.) with regard to the exploitation potential for the law enforcement/security domain;
- cooperating with other ESA teams involved in industrial innovation, particularly the Φ -Lab Invest Office, to address evolving priorities in this domain;
- contributing to ESA communication efforts promoting EO results, mission achievements and EO benefits for society;
- supervising and supporting the work of Young Graduate Trainees, National Trainees and Research Fellows.

Technical competencies

Experience in the application of satellite/airborne EO with stakeholders from the security domain in Europe
Knowledge of European and Global law enforcement/security environments
Experience in setting up and executing projects involving exploitation of Earth Observation data

Behavioural competencies

Problem Solving
Teamwork
Innovation & Creativity

Education

A PhD (preferred) or Master's level degree or equivalent in a relevant discipline such as engineering, Earth science, computer science, applied physics or data science.

Additional requirements

Specialist experience of working in the one of the following areas would be an advantage: law enforcement, fragile states, civil-military cooperation

Strong problem-solving skills to deal with day-to-day operational challenges

Strong results orientation with ability to set priorities and present practical solutions orally and in writing

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 25/01/2019.

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.