Job Title: Data Engineer

Req ID **5481** - Posted **28/03/2018**

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
Data Engineer

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

Location
ESRIN, Frascati, Italy

Description
Data Engineer in the Infrastructure & Engineering Section, Data Applications Division, Science, Applications & Climate Department, Directorate of Earth Observation Programmes.

Duties
Managing the development of data analytics platforms to support scientific, institutional, and commercial exploitation of EO data:
- identifying, assessing and implementing innovative ideas for shared platform services and tools, leveraging leading-edge ICT innovation that facilitates EO exploitation by EO/data scientists, application developers and value-adders;
- advancing use of artificial intelligence and machine learning for information generation and service access;
- liaising with related non-ESA activities by national, European and international stakeholders to ensure a coordinated approach;
- engaging with complementary non-space market stakeholders (GIS, IT) to accelerate EO take-up on a wide basis;
- contributing to ESA communication efforts promoting EO platforms services, mission achievements and EO platforms' collaborative environmental benefits for society;
- supervising and supporting the work of Young Graduate Trainees and Research Fellows.

Technical competencies
Experience in the management and monitoring of research and development activities
In-depth Experience with leading-edge Earth Observation data analytics technologies
Knowledge of international scientific community

Behavioural competencies
Communication
Problem Solving
Teamwork

Education
Applicants should have a Master's degree in an engineering discipline, preferably computer science, and at least two years' experience in data analytics-related development and/or research.

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 April 2018.

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.