

VACANCY NOTICE

Sentinel-5 Product Development Expert

EUMETSAT is Europe's meteorological satellite agency. Its role is to establish and operate meteorological satellites to monitor the weather and climate from space - 24 hours a day, 365 days a year. This information is supplied to the National Meteorological Services of the organisation's Member and Cooperating States in Europe, as well as other users worldwide.

From 2016 onwards, EUMETSAT will also operate the Copernicus Sentinel -3, -4, -5 and -6 missions on behalf of the European Union and provide data services to the Copernicus marine and atmospheric services and their users.

As an intergovernmental European Organisation, EUMETSAT has 30 Member States (Austria, Belgium, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, The Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.)

EUMETSAT is now inviting well qualified candidates from its Member States to apply for the following post:

POST: Sentinel-5 Product Development Expert

LOCATION: Darmstadt, Germany

**DURATION
OF INITIAL
CONTRACT:**

The initial contract will be of 4 years' duration, with subsequent 5 year contracts being awarded thereafter, subject to individual performance and organisation requirements. There is no limit to the amount of follow-up contracts a staff member can receive up to the EUMETSAT retirement age of 63 and there are certainly opportunities to establish a long career perspective at EUMETSAT.

BACKGROUND: The Copernicus Sentinel-5 atmospheric composition monitoring mission will be implemented as part of EUMETSAT's EPS-Second Generation system, based on a dedicated instrument sounding the atmosphere in the ultra-violet, visible, near- and shortwave-infrared (UVNS) spectrum.

Within the Atmospheric Composition Competence Area of the Remote Sensing and Products Division (RSP), the Sentinel-5 Product Development Expert will work on the extraction of a range of atmospheric composition

products, including aerosol and calibrated radiance products from Sentinel-5 instrument data. The activities include support during development, contributions to commissioning, prototyping of innovative algorithms, development of new products in response to emerging user requirements, and supporting the definition of future missions.

DUTIES:

The main duties of the post will be as follows:

- Provide scientific and technical expertise on the processing and analysis of Sentinel-5 instrument data in support of atmospheric composition applications;
- Contribute to the calibration, validation, and monitoring of Sentinel-5 atmospheric composition products in collaboration with mission partners and the scientific and user communities;
- Contribute to the detailed formulation of requirements for new or enhanced Sentinel-5 atmospheric composition products considered in response to the needs of the Copernicus Atmospheric Monitoring Service and users;
- Support the development, prototyping and validation of agreed new or enhanced Sentinel-5 atmospheric composition products in collaboration with mission partners;
- Support the development of future atmospheric composition missions, in particular in the areas of:
 - the formulation of requirements for atmospheric composition products and services to users;
 - the prototyping of processing algorithms and the generation of the related documents like the Algorithm Theoretical Baseline Document or the Processing Specification;
 - the provision of processing expertise in support of EUMETSAT ground segment procurements;
 - the preparation of calibration and validation plans;
- Based on interactions with the scientific and user communities, contribute to the advancement of the understanding of innovative atmospheric composition measurements and products and to the preparation and development of their applications;
- Support interactions with mission partners.

QUALIFICATIONS:

- University degree or equivalent in atmospheric composition, remote sensing, meteorology, physics or another relevant discipline.

SKILLS AND EXPERIENCE:

- Knowledge of atmospheric composition missions, their data products, applications and user communities;
- Detailed knowledge of the functioning, operation, and data processing of UVNS sounding instruments. Experience in infrared sounding is an advantage;
- Experience of UVNS spectrometer instrument calibration and characterisation, and development of atmospheric composition products, including long-term monitoring and validation;
- Experience of operational satellite data processing systems and very good skills in a higher programming language (e.g. C++, Fortran);
- Experience in the use of radiative transfer models in optical remote sensing, in particular their use in vicarious calibration, is an advantage;
- Good skills in communication and presentation including demonstrated experience in writing scientific and technical documents;
- Good interpersonal and team-working skills.

The official languages of EUMETSAT are English and French. Candidates must be able to work effectively in English and have some knowledge of French.

CLOSING DATE: 08 June 2016

Interviews are tentatively scheduled for week 31/2016.

Applications in English or French should be sent via our online form (attaching curriculum vitae and covering letter quoting Reference VN(16)15) at

www.eumetsat.int

This post is graded A2/A4 on the EUMETSAT salary scales. The minimum basic salary for this post is EURO 5,284 per month (net of internal tax) which may be negotiable on the basis of skills and experience. The salary scale provides for increments on the anniversary of taking up employment, and scales are reviewed by the EUMETSAT Council with effect from 1 January each year. In addition to basic salary, EUMETSAT offers attractive benefits. Further information, including salary details, is available on the EUMETSAT web site.

EUMETSAT is committed to providing an equal opportunities work environment for men and women.

Please note that only nationals of EUMETSAT Member States may apply. The EUMETSAT Convention requires that Staff shall be recruited on the basis of their qualifications, account being taken of the international character of EUMETSAT. EUMETSAT does not operate a nationality quota system but, in recruiting Staff members, the geographical distribution will be taken into account.