EUMETSAT

EUM/VN (18)36
Darmstadt, 17 April 2018
Original: English

VACANCY NOTICE

Climate Product 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.

EUMETSAT also operates Copernicus satellites 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: Climate Product Expert

LOCATION: Darmstadt, Germany

DURATION OF INITIAL CONTRACT: The initial contract will be until 30 June 2021. Subject to available third party funding, the contract may be extended.

BACKGROUND: EUMETSAT supports the development of climate information services through the rescue, re-calibration and re-processing of long series of satellite observations and the delivery and validation of the resulting climate data records.

Within the EUMETSAT Climate Services Team, the Climate Product Expert will develop and validate climate records of Level-1 data from infrared and microwave atmospheric sounding instruments, in support of the Copernicus Climate Change Service (C3S). This involves the quality assessment and re-calibration of data from historical and current instruments and estimation of uncertainties.

DUTIES: The main duties will be as follows:

- Scientific analysis and development of methods for correction and re- and cross-calibration of data from infrared and microwave atmospheric sounding instruments, including derivation of uncertainty estimates;

- Development and application of quality control/evaluation methods for meta and raw data from historic and current infrared and microwave atmospheric sounding instruments;

- Scientific development for the establishment of climate records and interim climate records expanding existing climate records;

- Development and application of quality evaluation tools for climate records of Level-1 data extracted from observations of infrared and microwave atmospheric sounding instruments;

- Support to the implementation of all developed methods and tools in the EUMETSAT operational environment and systems;

- Support to the acquisition and archiving of all required infrared and microwave sounder instrument data and other data needed for product quality monitoring;

- Support to the preparation of climate records for ingestion into the C3S Climate Data Store and the EUMETSAT Data Centre;

- Compilation of relevant data record documentation including validation reports, user guides and format descriptions as well as peer reviewed scientific publications related to the data records;

- Compilation of presentations and reports for reporting to C3S and participation in C3S progress meetings, as required.

QUALIFICATIONS:

- University degree in Meteorology, Remote Sensing, or another relevant discipline.

SKILLS AND EXPERIENCE:

In-depth knowledge and demonstrated experience in:

- Calibration of infrared and microwave satellite instrument measurements including re- and cross-calibration methods;

- Measurement uncertainty analysis (metrology) and/or validation of satellite products;

- Use of radiative transfer models in the infrared and microwave spectral ranges;
- Time series analysis methods applicable to satellite data;
- Programming using C/C++ and Fortran 95 (and higher) programming languages as well as scripting languages, such as Python, Perl, Shell;
- Experience of usage of relational and non-relational databases for validation preferably using Oracle, PostgreSQL, and/or MongoDB would be an advantage;
- Good interpersonal skills and a proven ability to apply these to the interactions within a team and across teams in an international environment.

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: 12 June 2018
Interviews are tentatively scheduled for week 29/2018.

Applications in English or French should be sent via our online form (attaching curriculum vitae and covering letter quoting Reference VN (18)36) at

www.eumetsat.int

This post is graded A2/A3 on the EUMETSAT salary scales. The minimum basic salary for this post is EURO 5,443 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.