

VACANCY NOTICE

Climate Product Validation 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 provides 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 Validation Expert

LOCATION: Darmstadt, Germany

**DURATION
OF**

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

BACKGROUND: Building on its headquarters, its network of Satellite Applications Facilities and cooperation with other satellite operators, 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 Validation Expert will validate and assess the quality of climate records of Level-2 (geophysical) products produced in support of the Copernicus Climate Change Service (C3S), taking into account uncertainty budgets in comparisons with other reference data. The work includes the development of diagnostic methods and tools.

DUTIES: The main duties will be as follows:

- Development of diagnostic methods and tools such as variability and trend estimators, automatic comparisons to model outputs, etc. for validation of climate records and quality monitoring of interim records expanding existing climate records into the present;
- Maintenance and expansion of databases used for climate data record validation, including acquisition and analysis of reference data from EUMETSAT and external sources;
- Evaluation of the quality of produced climate data records, taking into account uncertainty budgets in comparisons with other reference data;
- Support to the implementation and automation of all developed tools in the operational environment and systems environment;
- Compilation of formal reports, user guides, and peer reviewed scientific publications related to quality evaluation of climate data records;
- Compilation of presentations and reports for the 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:

- Extraction of geophysical products from data from meteorological and/or ocean satellites. Processing and use of these products in climate research or applications;
- Validation of climate data records taking into account uncertainties in measurements using comparisons with other data as well as time series analysis;
- Programming using C/C++ and Fortran 95 (and higher) programming languages as well as scripting languages, such as Python, Perl, Shell;
- Usage and maintenance of databases preferably using PostgreSQL, Oracle, MongoDB;
- Good interpersonal skills and a proven ability to apply these to the interactions within a team and between teams in international environment.

Experience in the following is advantageous:

- Use of radiative transfer models in the visible, infrared and/or microwave spectral ranges.

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: 15 May 2018

Interviews are tentatively scheduled for week 25/2018.

Applications in English or French should be sent via our online form (attaching curriculum vitae and covering letter quoting Reference VN(18)32) at

www.eumetsat.int

This post is graded A2/A3 on the EUMETSAT salary scales. The minimum basic salary for this post is EURO 5,443.81 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.