

VACANCY NOTICE

Climate Data Processing Engineer

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 Data Processing Engineer

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 Data Centre Operations Team, the Climate Data Processing Engineer will implement technical data processing activities for the generation and validation of EUMETSAT climate data records in support of the Copernicus Climate Change Service (C3S). This involves the implementation and operation of climate data record production and validation systems and the distribution and archiving of the produced data.

DUTIES:

The main duties will be as follows:

- Test, verify and validate the implementation of processors and processing chains in the operational climate data processing infrastructure of the Data Centre;
- Maintain the data organisation on the storage system used for reprocessing;
- Compile and maintain technical documentation for the operational processors, processing chains, data formats, processing campaigns and batch system;
- Acquisition of data from internal and external sources required to support data processing and product quality monitoring;
- Data processing and quality monitoring of climate data processing in support of the C3S, including technical verification of processing outputs;
- Reporting and first line analysis of anomalies impacting data processing and quality monitoring activities;
- Prepare and supervise the ingestion of climate data records into the archive of the EUMETSAT Data Centre;
- Prepare climate data records for submission to the C3S Climate Data Store, including preparation of media for special deliveries;
- Respond to queries of C3S, other users and EUMETSAT teams.

QUALIFICATIONS:

- University degree in Computer Science or another relevant discipline.

SKILLS AND EXPERIENCE:

In-depth knowledge and proven experience in:

- Programming using C/C++ and Fortran 95 (and higher) programming languages as well as scripting languages, such as Python, Perl, Shell;
- Data processing of large data volumes, e.g., using grid computing including distributed resource management tools;
- Working with databases preferably using Oracle, PostgreSQL, MongoDB;
- Retrieving, handling and manipulating different data formats, e.g., NetCDF-4, HDF5, GRIB, BUFR and binary data;

- Standards, conventions and guidelines for the specification of meta-data for Earth Observation data;
- Good interpersonal skills and a proven ability to apply these to the interactions within a team and across teams in an international environment.

Experience in the development of web applications using JavaScript libraries/frameworks (e.g., jQuery, Ember, React), HTML, CSS, Python web frameworks (e.g., Falcon, Django, Flask, etc.) and web-based dynamic data visualisation (e.g., D3, plotly, etc.) would be an advantage.

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: 30 April 2018

Interviews are tentatively scheduled for week 23/2018.

Applications in English or French should be sent via our online form (attaching curriculum vitae and covering letter quoting Reference VN(18)31) 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.