

# VN 22/22 Climate Product Expert

**EUMETSAT** uses data from its growing Earth observation fleet, as well as data from other agencies, to support climate information services by rescuing, recalibrating and reprocessing long series of satellite observations and validating the resulting climate datasets.

Within the EUMETSAT Climate Services team of the User Support and Climate Services Division, the Climate Product Expert will lead the development and validation of climate datasets, including those delivered in support of the **Copernicus** Climate Change Service (C3S). This includes the optimisation and cross-calibration of cross-programme satellite data and the derivation of geophysical products, including the provision of meaningful uncertainty estimates. This will be accompanied by conducting comprehensive quality analyses of datasets and providing accurate and user-friendly documentation. He/she will also support the development of the EUMETSAT climate data product portfolio.

The Climate Services team consists of staff with a wide range of expertise from climate applications of Earth Observation data to informatics that produce climate data efficiently. The team uses the latest technologies that can be applied to cloud/bulk data processing systems to generate and validate the datasets. The team also supports the further development of these systems. Joining EUMETSAT in this role offers a unique opportunity to develop a professional career in a highly motivating environment.

## Duties

The main duties of the post will be as follows:

- Lead a group of expert staff tasked to develop the climate data records including management of activities and resources and reporting to the Climate Service & Product Manager;
- Provide management support to the Climate Service & Product Manager, including
  - Assessment of data assimilation readiness for data records in support to the Copernicus Climate Change Service;
  - Engagement in satellite data rescue activities including assessing the usability of historical data;
  - Support to the implementation of all developed methods in the EUMETSAT operational environment and



### LOCATION

Darmstadt,  
Germany



### QUALIFICATIONS

University degree in  
Atmospheric  
Physics, Remote  
Sensing, or another  
relevant discipline.



### LANGUAGES

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



### DEADLINE

30 September 2022

- deputising for the management of EUMETSAT's support to the Copernicus Climate Change Service (C3S);
- Coordinate the annual update of EUMETSAT's Climate Service Development Plan;
- Perform scientific analysis of climate data records with radiative transfer simulations (and other means) for data from different instruments measuring in the visible, infrared and microwave spectral range to determine structure and source of errors;
- systems;
- Compilation of relevant scientific and technical documentation as well as peer reviewed scientific publications;
- Compilation of presentations and reports for reporting to C3S and participation in C3S progress meetings, as required.

## Skills and Experience

- Proven experience managing small teams and projects including management of resources, activities, and reporting;
- In-depth knowledge and demonstrated experience in:
  - Quality control and evaluation of satellite observations;
  - Calibration of visible, infrared and microwave satellite instrument measurements including re- and cross-calibration methods;
  - Characterisation of observation uncertainty;
  - Radiative transfer in the visible, infrared and microwave spectral ranges;
- Knowledge of the usage of satellite observations in climate analysis, data assimilation and modelling would be an advantage;
- Proven programming skills using a higher programming language as well as scripting languages, such as Python;
- Excellent interpersonal skills and a proven ability to apply these to the interactions within a team and across teams in an international environment.

## Employment Conditions

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.

This post is graded A2/A4 on the EUMETSAT salary scales. The minimum basic salary for this post is EURO 5,363 per month (net of internal tax but excluding pension contribution and insurances) 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.**

## About EUMETSAT

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 States in Europe, as well as other users worldwide.

EUMETSAT also operates several Copernicus 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.)

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