

VN 21/44 reissue Remote Sensing Scientist – CLIM and MAP aerosol and cloud products for CO2M (Copernicus)

The Remote Sensing and Products (RSP) Division is tasked with providing the scientific expertise required to develop, implement, validate, maintain and evolve the operational observational products for all EUMETSAT satellites and agreed third party missions, as well as establishing the user requirements for future EUMETSAT satellite programmes.

Within the Clouds and Aerosol (CLA) Competence Area of the Remote Sensing and Products Division, the Remote Sensing Scientist (Copernicus) will be responsible for and contribute to the Multi-Angle Polarimeter (MAP) and Cloud-Imager (CLIM) derived aerosol and cloud products, their scientific development, maintenance, validation and quality monitoring, on-board the Copernicus CO₂ mission (CO2M). CO2M is the space component of the European integrated observation and inversion modelling system dedicated to the monitoring of anthropogenic CO₂ emissions.

Duties

The main duties will be as follows:

- Acquire and maintain an in depth understanding of the aerosol and cloud products and their performances derived from MAP and CLIM instruments on-board of CO2M;
- Support the prototyping and operational implementation of aerosol and cloud product processing algorithms from MAP and
- Provide product quality analysis and long-term monitoring of cloud and aerosol products from CLIM and MAP in view of main CO2M greenhouse-gas product performance;
- Support CO2M mission preparation for commissioning and operations with respect to aerosol and cloud processor integrations, system testing, validation and verification;
- Support industrial activities for operational



LOCATION

Darmstadt,
Germany



QUALIFICATIONS

A university degree (or equivalent) in remote sensing or another relevant discipline is required.



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

7 March 2022

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| CLIM calibrated instrument products; | aerosol and cloud processor development, and processor specification; |
| • Plan, develop and perform aerosol and cloud product verification and validation activities, including their performance with respect to the improvement of greenhouse-gas main product quality, as derived from the main CO2 spectrometer instrument on-board CO2M; | • Play an active role in relevant preparations for missions operation and scientific interactions with the CO2 Monitoring and Verification Support capacity user community. |

Skills and Experience

- In-depth scientific knowledge of aerosol and cloud product processing;
- Familiarity with aerosol products derived from multi-angle polarimeter operating in the visible and short-wave infra-red region;
- Experience in the field of cloud products derived from high spatial resolution imager data operating in the visible and short-wave infra-red region is an distinct advantage;
- Proven experience of processing of large-volumes of data from relevant space borne instruments;
- Demonstrable experience with scientific development projects and working with user communities and researchers;
- Experience of working in a UNIX environment and with scientifically-oriented coding languages, C/C++ and Python;
- Familiarity with IDL and/or MATLAB, and Java is an advantage;
- Strengths in analysis, synthesis and presentation, coupled with good interpersonal skills and a proven ability to apply these to the interactions within a team and between teams.

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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