VN 26/30 Passive Sub-MM Wave and Microwave Remote Sensing Scientist

EUMETSAT is Europe's meteorological satellite agency - monitoring the weather and climate from space - 24 hours a day, 365 days a year.

Working for EUMETSAT, you can make a world of difference and be a part of something that makes a positive impact on society. You will be at the cutting edge of satellite technology, with a meaningful role in an organisation focused on space-based observations of the Earth's weather and climate.

Within the Remote Sensing and Products Division (RSP), in the Passive Microwave and Radio Occultation (PMRO) Competence Area, and within Microwave Imaging team, the passive microwave and sub-mm Remote Sensing Scientist will be responsible for the scientific development, implementation and evaluation of processing chains related to the EUMETSAT Polar System Second Generation (EPS-SG) Science Ice Cloud Imaging (ICI) instrument onboard the Metop-SG satellites and provide support to the Micro-Wave Imaging (MWI) instrument.

Duties

- Support the definition, the prototyping and the scientific evaluation of algorithms used in the Level-1 and Level-2 processing chains for the EPS-SG passive sub-mm wave and microwave imagers;
- Plan, develop and perform calibration and validation activities for the EPS-SG passive sub-mm wave and microwave imagers including development of required tools and methods;
- Prepare and maintain
- Review, evaluate, and improve existing algorithms for product development and validation;
- Provide product quality analysis and long-term monitoring of Level-1 and Level-2 products for the EPS-SG passive sub-mm wave and microwave imagers;
- Conduct and manage internal and external studies, on the definition of relevant products and candidate algorithms and their use in operational

LOCATION
Darmstadt, Germany

QUALIFICATIONS
Advanced university degree in Remote Sensing, Atmospheric Physics, Earth Science 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
23 July 2026

algorithm theoretical basis (ATBD) documents, product generation specifications, product format specifications, calibration/validation plans, user manuals, product validation reports for ICI instrument chain and support the MWI instrument chain;
- Development of scientific prototype software, and analyse existing satellite data and prototype results to assess compliance to requirements;

meteorology;
- Play an active role in relevant operational and scientific interactions with the European Space Agency (ESA), other international space organisations, the EUMETSAT Satellite Application Facilities, and user communities.

Skills and Experience

- Advanced knowledge and demonstrated experience in:
  - Level-1 calibration and validation of sub-mm wave and microwave satellite instrument products;
  - Radiative transfer in the microwave and sub-mm spectral range;
  - Level-2 retrieval of geophysical products from passive microwave observations.
- Characterisation/validation of Level-1/Level-2 products from microwave sensors is an asset.
- Proven experience in developing scientific applications software, application of numerical methods and algorithmic development using programming languages such as Python and C/C++.
- Proven experience in managing scientific projects, activities, and reporting.
- Strengths in analysis, synthesis and presentation.
- Proven experience in working with the international user communities, researchers and scientists.
- Demonstrable learning orientation and the willingness to expand own knowledge/skills.
- Excellent interpersonal skills and a proven ability to apply these to the interactions within a team, 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 7553.5 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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