

VN 21/19 Remote Sensing Scientist

This position is located within the Remote Sensing and Products (RSP) Division, which is tasked with providing the scientific expertise required to develop, implement, validate, maintain and evolve the operational observational products from all EUMETSAT satellites and agreed third party missions (for example Copernicus Sentinel-3 and Sentinel-6), as well as establishing the user requirements for future EUMETSAT satellite programmes.

Within the Optical Imagery Competence Area (OI CA) of the Remote Sensing and Products Division (RSP), the Remote Sensing Scientist – Doppler Wind Lidar (DWL) is responsible for the development, maintenance, verification, validation, and monitoring of products related to space borne Doppler Wind Lidar. The post holder shall follow the scientific developments of spaceborne Doppler Wind Lidar systems and develop products and supporting tools that shall contribute to the Near-Real Time (NRT) assimilation in Numerical Weather Prediction (NWP) models, actively interact with operational and scientific research communities, and lead the product improvements considering opportunities and new requirements.

Duties

- Lead the Doppler Wind Lidar mission end-user requirements definition process at EUMETSAT, including the analysis of requirements, the preparation of the end-user requirements related documentation for EUMETSAT Member States, organisation of end-user consultations, etc.;
- Provide scientific support to program and instrument development activities in the preparation of Doppler Wind Lidar mission;
- Support the operational implementation of new/improved products in the relevant operational ground segments, making use of the existing contracted services;
- Lead the overall instrument Cal/Val activities, including the in-orbit commissioning and long-term mission performance;
- Actively interact and cooperate with the operational Numerical Weather Prediction (NWP) user community in order to understand



LOCATION

Darmstadt,
Germany



QUALIFICATIONS

Advanced university degree in meteorology, atmospheric physics, physical remote sensing, or equivalent.



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

28 April 2021

- Lead the algorithm development, calibration, verification and validation of Level-1 and potentially also Level-2 products extracted from Doppler Wind Lidar missions;
- Develop and maintain prototype processing software implementing algorithms for the extraction of new and/or improved products;
- requirements for new or improved products and their intended applications;
- Cooperate with the science community and international partners, and conduct or manage scientific studies aimed at evaluating candidate algorithms for the extraction of new or improved products.

Skills and Experience

- In-depth knowledge of remote sensing physics in the atmosphere with extensive experience working with atmospheric remote sensing lidars;
- Demonstrated experience in development of advanced lidar algorithms and applications;
- Demonstrated experience in developing scientific application software and analysis tools;
- Experience in working with atmospheric and meteorological user communities and researchers. Working experience with the assimilation of satellite wind products in Numerical Weather Prediction models (NWP) would be an asset;
- Excellent mathematical, problem solving, analysis, synthesis and presentation skills;
- Strong technical writing and presentation skills;
- Strong interpersonal skills, team-orientation and the ability to work in a matrix structure.

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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