

## VACANCY NOTICE

### Remote Sensing Scientist – Altimetry (Copernicus)

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 several Copernicus missions on behalf of the European Union and provides 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:** Remote Sensing Scientist – Altimetry (Copernicus)

**LOCATION:** Darmstadt, Germany

**DURATION  
OF INITIAL  
CONTRACT:**

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 position is subject to approval in the 2019 EUMETSAT budget and as such may not be filled until 1 January 2019

**BACKGROUND:** Within the Marine Applications (MA) Competence Area of the Remote Sensing and Products Division (RSP), the Remote Sensing Scientist – Altimetry (Copernicus) will be responsible for and contribute to the scientific development, maintenance, validation and quality monitoring of remote sensing products derived from Sentinel-3 and Jason-CS/Sentinel-6 altimeter measurements.

**DUTIES:** The main duties will be as follows:

- Acquire and maintain an in depth understanding of the observational capabilities of the Copernicus altimeter suite of instruments;
- Contribute to the detailed formulation of requirements for new and improved Copernicus altimetry products and data services, responding to the evolving needs of the Copernicus Marine Environment Monitoring Service and users;
- Support the prototyping and operational implementation of advanced algorithms for improved and new altimeter products from Copernicus and other relevant altimeter missions;
- Plan, develop and perform product calibration and validation activities, including development of required tools and methods;
- Provide product quality analysis and long-term monitoring of operational Copernicus altimeter products;
- Support Sentinel-3 and Jason-CS/Sentinel-6 mission operations with respect to processing anomalies, change requests, new processing baselines and baseline regression testing;
- Actively support operational and scientific interactions with the Copernicus Marine Environment Monitoring Service, user communities and international partners (i.e. ESA, NASA, NOAA, CNES);
- Support reprocessing and re-calibration activities as required, e.g. to fulfil the requirements of the Copernicus climate change service.

**QUALIFICATIONS:**

- University degree or equivalent, in oceanography, remote sensing, meteorology, physics, or another relevant discipline.

**SKILLS AND EXPERIENCE:**

- In-depth scientific knowledge of microwave observations of the ocean, in particular from altimeter suites, including measurement physics and retrieval algorithms;
- Demonstrable experience with scientific development projects and working with user communities and researchers;
- Proven experience of processing of data from relevant space borne instruments;
- Knowledge of the functioning, operations and processing of high-resolution (synthetic aperture) radar altimeters would be an advantage;
- Demonstrable experience of working in a UNIX environment and with scientifically-oriented coding languages, C/C++ and/or Fortran, and Python;

- Familiarity with IDL and/or MATLAB, and JavaScript would be 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.

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: 14 October 2018**

Interviews are tentatively scheduled for week 46/2018.

**Applications in English or French should be sent via our online form (attaching curriculum vitae and covering letter quoting Reference VN(18)62) at**

**[www.eumetsat.int](http://www.eumetsat.int)**

This post is graded A2/A4 on the EUMETSAT salary scales. The minimum basic salary for this post is EURO 5612 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.**