

## **VACANCY NOTICE**

### **EARLY CAREER EMPLOYMENT PROGRAMME**

# **Junior Remote Sensing Scientist – Atmospheric Motion Vectors**

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 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).

EUMETSAT is now inviting well qualified candidates from its Member States to apply for the following post:

**POST:** Junior Remote Sensing Scientist – Atmospheric Motion Vectors (AMV)

**LOCATION:** Darmstadt, Germany

**DURATION  
OF INITIAL  
CONTRACT:**

The initial contract will be under the EUMETSAT Early Career Employee Programme, for two (2) years with grade A1 on the EUMETSAT salary scale. Subject to successful performance, a further contract of 5 years' duration will be awarded in a post graded A2-A4. Additional contracts may be 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.

**BACKGROUND:** Within the Atmospheric and Imagery Applications Competence Area (AIA CA), of the Remote Sensing and Products Division (RSP), the Junior Remote

Sensing Scientist – AMV will support the development and scientific validation of Atmospheric Motion Vector (AMV) products derived from the estimation of the displacement of clouds and other atmospheric features observed in successive overlapping satellite images.

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

- Develop or improve algorithms for the extraction of wind vector products derived from the estimation of the displacement of clouds and other atmospheric features observed in successive overlapping satellite images (Atmospheric Motion Vector -AMV) from EUMETSAT and third party satellites;
- Prototype processing software for the extraction of AMV products;
- Support the scientific validation of AMV products, based on interactions with the community of users of EUMETSAT's products and services;
- Assist with in-house and external scientific studies relevant to new scientific concepts for the future development of Atmospheric Motion Vector products.

**QUALIFICATIONS:**

- A university degree in remote sensing, meteorology or equivalent.

**SKILLS AND EXPERIENCE:**

- Good theoretical knowledge of remote sensing physics relevant to visible and infrared imagery;
- Knowledge of image processing algorithms, preferably for meteorological satellite instruments;
- Some experience of image processing, preferably physical cloud retrievals;
- Experience working with numerical methods and/or algorithmic development (using e.g. MATLAB, IDL, Python, C/C++);
- A clear learning orientation and the willingness to expand own knowledge/skills;
- Good interpersonal and communications skills;
- Strengths in analysis, synthesis and presentation of complex problems and solutions.

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: 05 March 2018**

Interviews are tentatively scheduled for week 15/2018.

**Applications in English or French should be sent via our online form (attaching curriculum vitae and covering letter quoting Reference VN(18)06) at**

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

This post is graded A1 on the EUMETSAT salary scales. The basic salary on appointment for this post is EURO 4,261.47 per month (net of internal tax). Similar to all our scales, the A1 salary scale provides for an increment on the anniversary of taking up employment. Salary scales are also reviewed by the EUMETSAT Council with effect from 1 January each year. In addition to basic salary, EUMETSAT offers attractive benefits. Further information 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. EUMETSAT does not operate a nationality quota system but, in recruiting Staff members, the geographical distribution will be taken into account.**