

## VACANCY NOTICE

### Remote Sensing Scientist

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.

From 2016 onwards, EUMETSAT will also operate the Copernicus Sentinel -3, -4, -5 and -6 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:** Remote Sensing Scientist

**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.

**BACKGROUND:** Within the Remote Sensing and Products Division (RSP) of the Technical and Scientific Support Department (TSS), the Remote Sensing Scientist reports to the Meteosat Third Generation (PTG) Programme Scientist responsible for the coordination and supervision of all scientific support activities to the development of the MTG system, in all phases of the programme (e.g. C/D, E).

The post holder will participate in the management of all scientific activities, focussing on those related to the Flexible Combined Imager (FCI) of the MTG-I satellites. These activities will include interactions with the operational and research user communities, analysis and evaluation of study results, support to the implementation of validation and monitoring tools in the off-line processing environment for use during commissioning and routine operations of the FCI instruments.

**DUTIES:**

The main duties of the post will be as follows:

- Provide scientific support to interactions with end-users in preparing the Meteosat Third Generation missions with a focus on the Flexible Combined Imager (FCI) mission;
- Contribute, from a scientific perspective, to the activities of the Instrument Functional Chain Engineering team supporting the development of the FCI mission;
- Support the evaluation of the FCI instrument and mission concepts;
- Develop and maintain scientific software for the simulation of FCI observations;
- In cooperation with the EUMETSAT FCI Instrument Engineer:
  - Develop and validate the Level 1 Prototype Processor for the extraction of physical products, including its evolution into a Level 1 Reference Processor for use in support to the evaluation and evolution of operational processors;
  - Use the Level 1 Reference Processor and other software to generate Test Data from simulated FCI observations or comparable observations, and specify relevant Test Scenarios and Test Tools for the validation of the operational processor procured from Industry;
- Supervise the development and validation of the Level 2 Prototype Processor for the extraction of geophysical products including its evolution into a Level 2 Reference Processor for use in support to the evaluation and evolution of operational processors;
- Use the Level 2 Reference Processor and other software to generate Test Data from simulated FCI Level 1 products and specify relevant Test Scenarios and Test Tools for the validation of the Level 2 operational processor procured from Industry;
- Support all scientific aspects of interactions with Industry in charge of the development of the operational FCI Level 1 and Level 2 processors
- Support the pre-launch FCI calibration activities for Level 1 products
- Develop calibration and validation concepts for Level 2 products;
- Lead the overall FCI instrument calibration and validation activities during the in-orbit commissioning of the MTG-I satellites;
- Conduct internal studies and/or manage external studies on the definition of products and candidate algorithms.

**QUALIFICATIONS:**

- University degree in remote sensing, meteorology, atmospheric physics or equivalent.

**SKILLS AND EXPERIENCE:**

- Solid background in remote sensing physics in the atmosphere and radiative transfer;
- Experience of developing scientific applications software, combined with experience in pursuing scientific development projects and working with user communities, researchers and engineers. This experience should cover research and development work, as well as administrative aspects of scientific projects;
- Experience with the use of satellite data and products in meteorological applications;
- Familiarity with the processing of meteorological satellite imagery data and functional analysis;
- The ability to write clear scientific reports -e.g. presenting results of studies and formulating related conclusions/recommendations-, and technical notes –e.g. presenting data sets or scientific S/W-, in English;
- Demonstrated scientific project management skills;
- Strengths in analysis, synthesis and presentation, coupled with good interpersonal skills and a proven ability to apply these to 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 a working knowledge of French.

**CLOSING DATE: 9 September 2015**

Interviews are tentatively scheduled for week 43/2015.

**Applications in English or French should be sent via our online form (attaching curriculum vitae and covering letter quoting Reference VN(15)24 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 5,284 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. EUMETSAT does not operate a nationality quota system but, in recruiting Staff members, the geographical distribution will be taken into account.**