

# EUMETSAT VACANCY NOTICE

**EUM/VN(10)23**

Darmstadt, 29 September 2010

Original: English

## Sentinel-3 Optical 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.

As an intergovernmental European Organisation, EUMETSAT has 25 Member States (Austria, Belgium, Croatia, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Luxembourg, The Netherlands, Norway, Poland, Portugal, 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 in the Meteorological Division.

**POST:** Sentinel-3 Optical Scientist

**LOCATION:** Darmstadt, Germany

**DURATION  
OF INITIAL  
CONTRACT:**

4 years

(The appointment may be extended, subject to programme requirements and individual performance. Follow-on contracts may be awarded up to a maximum of five years at each review).

**DUTIES:** Within the Programme Development Department, the Meteorological Division maintains, develops and makes available the in-house scientific expertise and know-how required to establish validated user requirements. It further supports the definition, validation and operations of EUMETSAT systems and services meeting such requirements.

Reporting to the Ocean Mission Scientist in the Low Earth Orbit (LEO) Support Team, the holder of this post will support the advancement of the understanding and utilisation of optical instruments on LEO satellites, in particular those embarked on the Sentinel-3 satellites.

He/she will be responsible for scientific developments toward improved use of the data from optical instruments on Sentinel-3. The work will often involve the appropriation of current science approaches and their realisation in terms of prototype software which in turn will lead to new operational algorithms and improved use of the data.

The work will necessitate a strong collaboration with scientists and engineers in EUMETSAT as well as a close cooperation with external scientists and the user community. The advancement of the use of current measurements from Sentinel-3 may lead to new or improved products for users.

A direct contribution to the realisation of pertinent concepts is expected and includes prototype software development.

The main duties of the post will be as follows:

- Contribute to advancing the understanding of optical measurements from LEO satellites;
- Contribute to improving the usage and application of the operational satellite optical instruments on Sentinel-3;
- Guide and contribute to prototyping software development and the development of products in close cooperation with selected users;
- Support the implementation and evaluation of new algorithms in the EUMETSAT Sentinel-3 operational ground system;
- Contribute jointly with the external science community to the advancement of products from optical instruments also in view of Post-EUMETSAT Polar System (EPS) development;
- Establish and implement, with partner organisations, plans for evaluating and benchmarking scientific algorithms and other scientific deliverables;
- Provide coherent guidance to the scientific development of the processing chains of the optical instruments on Sentinel-3;
- Support the development activities of the Post-EPS satellites;
- Maintain and develop a strong cooperation with leading external scientists.

**QUALIFICATIONS:**

- University degree in Remote sensing, Oceanography, Meteorology, Physics or equivalent.
- Strong background in the scientific and technical aspects of remote sensing, with special expertise in infrared optical instruments.
- Good understanding of optical instruments from Sentinel-3.
- Experience in radiation transfer modelling.
- Experience in project and team work.
- A proven record of co-operation with the science and user community.
- Knowledge of and experience in the development of large scientific software projects would be an advantage.
- Excellent interpersonal skills and customer focus.

The official languages of EUMETSAT are English and French. Candidates should be fluent in English, and have a knowledge of French. Interviews will be conducted in English.

**CLOSING DATE: 14 November 2010**

Interviews are tentatively scheduled for week 49/2010.

**Applications in English or French should be sent via our online form (attaching curriculum vitae and covering letter quoting Reference VN(10)23) at**

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

This post is graded A2/A3 on the EUMETSAT salary scales. The minimum basic salary for this post is EURO 5,034 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.**