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A WORLD OF DIFFERENCE

# VN 20/29 REMOTE SENSING SCIENTIST – OCEAN COLOUR

Under a Copernicus-dedicated programme, EUMETSAT operates four Copernicus Sentinel missions on behalf of the European Union, including the Sentinel-3 mission dedicated to monitoring of ocean colour, sea surface temperature and ocean surface topography.

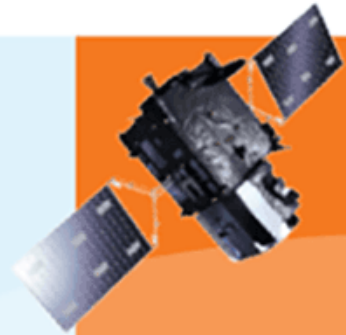
In addition, Meteosat Third Generation (MTG) and the EUMETSAT Polar System of Second Generation (EPS-SG), the next generation EUMETSAT satellite systems to be deployed in the next five years have some ocean colour observation capability.

As a member of the Marine Applications Competence Area of the Remote Sensing and Products (RSP) Division, the Remote Sensing Scientist – Ocean Colour will support the definition, prototyping, implementation, validation and evolution of operational ocean colour products, focusing on Sentinel-3.

## DUTIES

Support the prototyping and operational implementation of advanced algorithms for improved and new marine ocean colour products from the Copernicus Sentinel-3 and other EUMETSAT missions;  
Provide product quality analysis and long-term quality monitoring of operational ocean colour products at EUMETSAT;  
Plan, develop and perform ocean colour product calibration and validation activities, including the development of tools and methodologies for validation with Fiducial Reference Measurements and in-situ data;  
Support Sentinel-3 mission

Support the ocean colour product re-calibration and reprocessing activities as required;  
Maintain an in depth understanding of the observational capabilities of spaceborne ocean colour instrument;  
Play an active role in relevant operational and scientific interactions with the Copernicus Marine Environment Monitoring Service and the ocean colour user communities;  
Support and manage external studies relevant for the development of new or improved



### LOCATION

Darmstadt, Germany



### QUALIFICATIONS

An advanced university degree (or equivalent) in remote sensing, physics, oceanography or another relevant discipline is required.



### 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

13 August 2020

operations with respect to  
processing anomalies, change  
requests, new processing  
baselines, and baseline  
regression testing;

products/parameters/concepts.

## SKILLS AND EXPERIENCE

In-depth scientific knowledge of spaceborne optical observations of the ocean, in particular for Ocean Colour Radiometry;  
Proven experience of processing of large-volumes of data from relevant spaceborne instruments;  
Experience of working in a UNIX environment and with scientifically-oriented coding languages, C/C++ and Python. JavaScript is an advantage;  
Proficiency with scientific algorithm prototyping in IDL and/or MATLAB;  
Demonstrable experience with scientific development projects and working with ocean colour researchers and user communities;  
Strengths in analysis, synthesis and presentation, coupled with good interpersonal skills and a proven ability to apply these to the interactions within and between teams.

## 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 5,797 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.**

## 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 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.)

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