EUMETSAT

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VACANCY NOTICE

Research Fellowship

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. EUMETSAT is the prime source of satellite observations, data, products and services to the National Meteorological Services of the organisation's Member and Cooperating states, and for the European meteorological and climate community at large. EUMETSAT delivers to users worldwide and is a major contributor to the World Meteorological Organisation (WMO) programmes.

From 2016 onwards, EUMETSAT will also operate several Copernicus Sentinel 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, United Kingdom) and one Cooperating State (Serbia).

EUMETSAT is now inviting applications from suitably qualified scientists from its Member States and Cooperating State for a Research Fellowship in the assimilation of radiance products from polar-orbiting satellites in Numerical Weather Prediction (NWP).

POST: Research Fellowship

LOCATION: European Centre for Medium-Range Weather Forecasts
Shinfield Park
Reading, Berkshire RG2 9AX
UNITED KINGDOM

DURATION: The fellowship is offered for one year, with possibility of extensions for up to two additional years.

AREA OF RESEARCH: The Research Fellow will work on maintaining and optimizing the exploitation of radiance observations from the current network of geostationary spacecraft for Numerical Weather Prediction (NWP). The role will also involve making preparations for the future assimilation of hyper-spectral geostationary radiance observations from the EUMETSAT METEOSAT Third Generation Infrared Sounder (MTG-IRS). This is a EUMETSAT funded Fellowship position in the

Research Department of ECMWF.

The successful candidate will join the Earth System Assimilation Section of ECMWF. The main aspects of the role include:

- Monitoring and maintenance of the current operational assimilation of GEO radiance observations (METEOSAT, GOES, HIMAWARI);
- Evaluation of new observations prior to operational implementation – including impact assessment with assimilation experiments in the ECMWF analysis and forecasting system;
- Development of advanced methods to extend and improve the exploitation and impact of GEO radiance observations for NWP;
- Preparing for the future operational assimilation of hyper-spectral GEO radiances from MTG-IRS.

QUALIFICATIONS / SKILLS:

- A university degree (preferably to PhD level) in Physics, Mathematics, Meteorology or a similarly related subject;
- Experience in the fields of satellite observations for Earth Observation and (ideally) the assimilation of these for NWP (or related geophysical) applications;
- Experience with satellite radiance observations. Specific knowledge of infrared radiance measurements would be an advantage, but is not a requirement;
- Good knowledge of scientific programming languages including Fortran and shell scripts as well as experience with UNIX / Linux systems;
- Good interpersonal and team working skills are also required, along with strengths in scientific analysis, synthesis and presentation.

Candidates must be able to work effectively in English and a good knowledge of one of the ECMWF's other working languages (French or German) would be desirable.

GRADE & REMUNERATION:

The successful candidate will be recruited at the **A2** grade, according to the scales of the Co-ordinated Organisations and the annual basic salary will be **£55,488.48** net of tax. This position is assigned to the employment category **STF-PS** as defined in the Staff Regulations of ECMWF, with the exception of the removal expenditure which is reimbursed within the agreed ceiling laid down by EUMETSAT.

Full details of salary scales and allowances are available on the ECMWF website at **www.ecmwf.int/en/about/jobs**, including the ECMWF's Staff Regulations regarding the terms and conditions of employment

CLOSING DATE:

14 September 2016
Interviews are tentatively scheduled for week 41/2016.

Applications in English or French should be sent via our online form (attaching curriculum vitae and covering letter quoting Reference VN(16)36 at

www.eumetsat.int

Please note that only nationals of EUMETSAT Member States and Cooperating States may apply and that applications will not be returned.