

FROM HERE.

YOU CAN MAKE
A WORLD OF DIFFERENCE

VN 20/07 RESEARCH FELLOWSHIP ON NOWCASTING OF SEVERE WEATHER

The Research Fellow will join the Observation Department of the Royal Meteorological Institute of Belgium. In order to prepare for the upcoming Meteosat Third Generation (MTG) observations and related capabilities, she/he will explore the use of satellite data for improving nowcasting of severe thunderstorms over Europe.

The fellow will make use of the Rapid Developing Thunderstorm (RDT) algorithm, along with observations from the Advanced Baseline Imager (ABI) and Global Lightning Mapper (GLM) on the geostationary GOES16 satellite and/or observations from the Flexible Combined Imager (FCI) and Lightning Imager (LI) when operational on MTG. Additionally, radar data and severe weather reports are used to validate precursors of severe weather, such as sudden jumps in the total lightning activity.

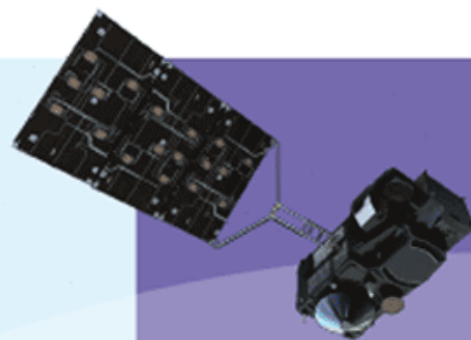
DUTIES

Familiarisation with RDT;

Collecting and processing of the different satellite and radar data sets;

Implementation of innovative applications to improve nowcasting of severe weather;

Publish results thereof in peer-reviewed journals.



LOCATION

Royal Meteorological
Institute of Belgium
(RMIB)

Brussels, Belgium



QUALIFICATIONS

University degree in
Physics, Mathematics,
Meteorology, Remote
Sensing, or equivalent,
preferably to PhD
level, and relevant
research experience.



LANGUAGES

Candidates must be
able to work effectively
in English, both
verbally and written.



DEADLINE

30 April 2020

SKILLS AND EXPERIENCE

In depth scientific knowledge of remote sensing physics
Demonstrated experience in developing and coding scientific application software in scientific programming languages (Python, Matlab, IDL etc.)
Excellent analysis, synthesis and presentation skills
Strong interpersonal skills and coordination capabilities; and a proven ability to apply these to the interactions within a team and between teams.

EMPLOYMENT CONDITIONS

The Fellowship is offered initially for one-year, with the possibility of extension for up to two additional years.

The amount of remuneration will be in accordance with corresponding staff at RMIB and will depend on qualification and experience. In addition, approved travel costs are reimbursed.

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.)

[Apply now](#)