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A WORLD OF DIFFERENCE

# INTERNSHIP IN THE SYSTEM ENGINEERING AND PROJECTS DIVISION

EUMETSAT supports the use of direct broadcast satellite data in support of now-casting and very short-range weather forecasting in several ways. For users requiring data over specific regions of interest, and with very good timeliness we operate and maintain several regional services (EARS). The data are acquired from a number of direct broadcast antennas; some of these are scheduled and operated directly by EUMETSAT, whilst others provide data acquired by partner agencies.

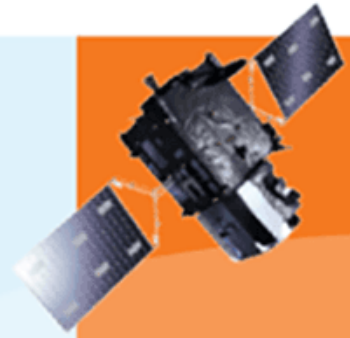
With the advent of the EPS-SG program, EUMETSAT will also be responsible for operating a regional mission for the timely provision of Metop-SG data as part of the operational services. This will entail the operational acquisition of direct broadcast data at six core European sites.

The internship will provide first-hand experience of the day-to-day operations of regional direct broadcast systems. The intern will be able to learn about the various operators of these systems. Working on the project will also afford the intern the opportunity to experience working in the public sector with a diverse group of people with interests spanning program preparation through to routine operations.

## DUTIES

Understand how EUMETSAT approaches scheduling antenna usage, both currently for the existing regional services (EARS) and what is planned for the EPS-SG regional mission;  
Understand how NOAA/CIMSS approaches scheduling antenna usage for their Direct Broadcast Real-Time Network (DBRTN);  
Understand how the scheduling of antennas is performed for the six Australian reception stations in mainland Australia and

Investigate whether the polar weather satellite data exchange tool Trollcast offers an alternative approach to scheduling antenna usage for regional direct broadcast services;  
Compare and contrast the various antenna scheduling approaches;  
Prepare a report summarising the activities undertaken, the information gleaned and discussing potential



### LOCATION

Darmstadt, Germany



### QUALIFICATIONS

The intern should have studied either physics, meteorology, geography, environmental science or a related engineering discipline



### LANGUAGES

Candidates must be able to work effectively in English and have some knowledge of French.



### DEADLINE

14.03.2020

Antarctica;

improvements to existing  
scheduling strategy.

## SKILLS AND EXPERIENCE

The intern must be ready to work confidently in English, and be able to prepare a final report in a clear, concise style.

The intern should be comfortable working with people from various professional and cultural backgrounds, and be capable of completing some tasks alone.

Ability to work in a team

Ability to work independently under guidance

The intern should have studied either physics, meteorology, geography, environmental science or a related engineering discipline. To support this project, it is not necessary for the intern to be a post-graduate.

## EMPLOYMENT CONDITIONS

Length of internship: Up to 6 months

Anticipated start date: April 2020

Interns who have recently finished their studies will receive German minimum wage.

No salary is paid to interns who are still in studies, however a daily allowance and contribution to travel / accommodation costs may be provided. The conditions will be established taking into account the requirements and policy of the intern's educational institution.

Interns are responsible for providing their own health and accident insurance and for finding their own accommodation in Darmstadt.

**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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