# Internship in Additional Data Services team

**Internship title: Data Collection Services – Operations Concept improvement**

EUMETSAT is at the forefront of technology and international cooperation, providing data that are crucial for saving lives and protecting property through the use of meteorological satellites. We operate essential services that support the collection and real-time distribution of meteorological data. The Meteosat Data Collection Service (DCS) is one of the core services operated by EUMETSAT, facilitating the relay of critical environmental data collected from remote Data Collection Platforms (DCPs) in Europe, Africa and Asia to users worldwide. The Meteosat DCS was initially established with the first generation of Meteosat satellites in 1977. It has continued and expanded with Meteosat Second Generation (MSG), and has also been incorporated on the new Meteosat Third Generation (MTG) satellites.

Throughout the years, the DCS system has continuously offered a high-reliability service, serving the needs of users in over 70 countries with the collection of data from remote and inhospitable locations where it may provide the only possibility for data relay. While the DCS system continues to successfully serve its purpose, as we incorporate the use of a new satellite into our operations, the legacy operations concept can be revisited and reshaped, in order to improve our efficiency and ensure we continue to successfully provide a high-reliability service. We are therefore looking for a motivated intern to join our team, analyse the existing DCS operations concept and contribute to improving the processes and procedures employed in the day-to-day operations of the DCS system.

The purpose of this internship will be to identify and work towards an improved concept for Data Collection Services Operations, enhancing our operational efficiency while maintaining our commitment to reliability. This will be achieved through familiarisation with the current EUMETSAT Data Collection Services and the way in which the system is operated on a day-to-day basis, analysing the current operations processes, identifying limitations and inefficiencies, and finally proposing and working towards improvements of those processes and procedures. The outcome of the internship will be an evolution of DCS Concept of Operations (CONOPS), and as much as possible implementation of the proposed improvements in our day-to-day running of DCS.

**LOCATION**
Darmstadt, Germany

**QUALIFICATIONS**
The internships are open to bachelor and master students with mandatory internship requirements in relevant disciplines such as Technology, Engineering.

**LANGUAGES**
The official languages of EUMETSAT are English and French. It is necessary to be able to work effectively in English.

**DEADLINE**
20 November 2023

The intern will join the Real-time services and System Operations (RSO) Division and will support the Additional Data Services (ADS) team.

## Duties

As an intern you will:

- Gain in-depth knowledge of EUMETSAT Data Collection Services;
- Analyse day-to-day operations processes;
- Identify limitations and inefficiencies in the current operations processes and procedures;
- Propose and work towards improvements to the operational processes and procedures;
- Contribute to the evolution of the DCS Concept of Operations (CONOPS).
- In addition, the intern will support relevant day-to-day activities within the team.

## Skills and Experience

- Have the ability to work effectively in English;
- Be computer literate;
- Be intrinsically motivated and curious about the internship subject;
- Be able to work independently and collaboratively;
- Have the ability to take the initiative in researching ideas;
- Have the ability to collect, collate, conceptualize and present information clearly.

Additional specific requirements:

- An eye for detail, balanced by the ability to maintain a systems-level perspective on the larger picture;
- Some understanding of database management, data transfer methods, and network architectures;
- Familiarity with operations of high-availability systems would be an advantage.

## Employment Conditions

Length of internship: **3 months**
Anticipated start date: **First half 2024**

The internship will require a non-disclosure agreement and potentially a basic background check for the intern, due to the sensitivity of the provided information.

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 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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