

Internship in Real-time services and System Operations Division

Internship title: Analysis of the WMO Information System (WIS 2.0) from EUMETSAT's perspective

Since it began operations, EUMETSAT has relied upon WMO's Global Telecommunication System (GTS) to distribute products and data operationally to global partners, and to acquire observation data for ground segment processing and validation.

WMO is in the process of moving to a new system – the WMO Information System (WIS 2.0).

In the coming months EUMETSAT will organise its preparations for WIS 2.0 as an operations project. In parallel, WMO will be running pilot projects to refine the WIS 2.0 design and specification. National Meteorological Services and other data collection and production centres will be considering use of “WIS2 in a box” to facilitate their move to WIS 2.0.

The internship will contribute to EUMETSAT's preparations for WIS 2.0, and will provide the intern with an insight into global data distribution of satellite and meteorological data.

The intern will gain an insight into all these processes; they will be in a position to contribute to the EUMETSAT project and potentially to the evolution of the “WIS in a box” software.

The internship will provide the opportunity to see how an international organisation is able to cooperate on a technical level with key international partners in the satellite meteorology and data exchange communities.

Duties

The main tasks of the internship would be to:

- Understand the goal and underlying concepts of WIS 2.0;
- Consider opportunities and challenges for EUMETSAT coming from
- Analyse the “WIS2 in a box” provided by WMO and consider its possible applicability to EUMETSAT.
- In addition, the intern will support relevant day-to-day activities within the team.



LOCATION

Darmstadt, Germany



QUALIFICATIONS

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



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 move to WIS 2.0;

- Establish the readiness of EUMETSAT's users for the transition from GTS to WIS 2.0;

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:

- Ability to prepare the final report in a clear, concise style is required;
- Experience of installing and running (Python) software would be an advantage.

Employment Conditions

Length of internship: **3 months**

Anticipated start date: **Spring 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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