

Internship in Chief Scientist Office

Internship title: Exploring EUMETSAT's Future Satellite Observation Needs at horizon 2050

EUMETSAT operates Europe's weather and climate satellites, delivering critical data primarily to the National Meteorological and Hydrological Services (NMHSs), who depend on this information for daily weather forecasting and early warnings. While addressing current observational needs, EUMETSAT also actively plans and prepares for the future.

This internship focuses on the future of satellite observations, in response to the rapidly evolving context of satellite technologies and user needs. In particular:

- **Evolving user needs:** EUMETSAT is moving beyond the provision of weather data to supporting forecasting in a broader sense, including societal impacts such as human health, infrastructure, and the environment.
- **Evolving technologies:** Satellite systems are becoming more diverse, with increasing miniaturisation and the emergence of small satellite constellations.

To anticipate and respond to these changes, EUMETSAT launched several activities in collaboration with experts from its Member States to study the evolution of satellite observations and systems towards 2050.

This internship will take place within this framework, contributing directly to the development of EUMETSAT's Future Architecture, a long-term vision for how satellite systems and services should evolve to meet user needs at horizon 2050. As part of this work, the intern will focus on a selected scientific action area identified through these studies (for example, air quality), developing a pilot case study that explores different scenarios for 2050 and assesses the role of satellite observations in addressing them.

Duties

- Conduct scientific and technical literature review and summarize the main findings;
- With the support of
- Carry out a Preliminary Gap Assessment: Compare the scenario's needs with existing EUMETSAT capabilities



LOCATION

Darmstadt, Germany



QUALIFICATIONS

The internships are open to bachelor and master students with mandatory internship requirements from diverse academic backgrounds, who have an interest in applying their knowledge to space-based Earth observation.



LANGUAGES

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



DEADLINE

3 November 2025

EUMETSAT's experts:
Draft a simplified pilot case study scenario for horizon 2050 in the selected action area. (e.g., considering how demographics, technology, climate and societal needs might evolve in different ways by 2050);

and identify potential gaps;
• Write a final report consolidating the literature review and the main findings from the pilot scenario.

Skills and Experience

- Good written and verbal communication skills 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:

- Strong analytical and research skills, including the ability to review and synthesise information from diverse sources (peer-reviewed and grey literature);
- Basic understanding of current and future Earth Observation missions, or related scientific/technical fields.

Employment Conditions

Length of internship: **3 months**

Anticipated start date: **Q2 2026**

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.

As of 1 January 2026, interns may be granted a daily allowance of EUR 25 per day, relocation cost reimbursement of up to EUR 400, and accommodation cost reimbursement of up to EUR 1000 per month.

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

Consideration may also be given if the internship is not a mandatory part of curriculum, for a maximum duration of three months.

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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