



The Climate and Environmental Remote Sensing unit (CLIMERS; <https://www.tuwien.at/mg/geo/climers>) of the Department of Geodesy and Geoinformation of TU Wien develops long-term remote sensing datasets of soil moisture and vegetation and uses them to address urgent environmental issues, such as water resources management, drought monitoring, and wildfire prediction. To support the research activities of the group we are currently looking for a motivated

Earth observation scientist

with skills and interest in remote sensing, software development, and statistical data analysis. As part of the CLIMERS team, you will carry out research and develop software for the generation, analysis, and validation of remote sensing-based climate data records of soil moisture. Your work will directly feed into internationally recognized research projects, such as the Climate Change Initiative of the European Space Agency and the EU Copernicus Climate Change Service (C3S). Depending on your ambitions and interests your work may, but doesn't have to, lead to a PhD in the technical or environmental sciences.

Your responsibilities

- Conducting collaborative Earth observation research within the research unit
- Developing software for reading, processing, analyzing, and validating large Earth observation datasets
- Collaborating with peer researchers and cross-functional teams
- Participating in the planning and execution of research projects
- Preparing project reports, research articles, and scientific presentations

Your qualifications

- Master's or PhD degree in environmental sciences, geodesy, geoinformation, computer sciences, physics, geography, or similar
- Strong programming skills and software development experience, preferably in Python
- Experience with large geospatial datasets and/or applications
- Analytical, problem solving, and critical thinking skills
- Ability to work independently and collaboratively in a team environment
- Written and verbal communication skills in English
- Experience with (microwave) remote sensing techniques are an asset

We offer

- The opportunity to work in an innovative, motivated, and successful team
- A workplace in the city center of Vienna
- Flexible working hours with possible home office days
- A stimulating and friendly working environment at the department
- The extent of the employment will be between 30-40 h/week (negotiable)

The conditions of this position are based on the Austrian regulations for university staff. The monthly minimum gross salary is currently EUR 3.578,80 at the pre-doc and EUR 4.752,30 at the post-doc level (40 h/week employment) and is paid 14 times per year.

If this job opportunity fits your ambition and interest, we are looking forward to receiving your application (cover letter, CV, relevant references, and publications if available) in English as a single PDF file via e-mail with the subject 'CLIMERS application' to rs-sek@geo.tuwien.ac.at.

Candidate selection will start on September 2, 2024, and will continue until a suitable candidate is found. The envisaged start date is November 2024 (up for negotiation) and will initially be limited to 2 years (with possible extensions up to 6 years, depending on funding). TU Wien will not refund any costs (e.g., traveling) for applicants.

Note: TU Wien is an equal opportunity employer that promotes diversity and inclusion and is committed to providing a workplace that is free from discrimination of all kinds. All qualified applicants will receive equal consideration for employment without regard to national origin, gender, gender identity or expression, disability, age, religion, or any other personal trait unrelated to the work at TU Wien.

For further information, please visit our website: <https://www.tuwien.at/mg/geo/climers> or contact Prof. Dr. Wouter Dorigo at wouter.dorigo@tuwien.ac.at

