



The Climate and Environmental Remote Sensing group (CLIMERS; <http://climers.geo.tuwien.ac.at/>) 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

Data Scientist in Climate and Environmental Remote Sensing

with skills and interest in software development, machine learning, and Earth observation. As part of the CLIMERS team, you will develop software and implement methods to generate and analyze novel Earth observation products, and develop prediction models based on machine learning. Therefore, you should be familiar and comfortable with handling large geospatial datasets in different data formats. Your skills in software development and data analysis will contribute to online platforms facilitating visualization and validation of complex Earth observation products. Your results will directly feed into different research projects (e.g., funded by the European Space Agency or the European Union) and be carried out in collaboration with international partners. Depending on your ambitions and interests your work may, but doesn't have to, lead to a PhD in the environmental sciences.

Your profile

- Master's or PhD degree in environmental sciences, geodesy, geoinformation sciences, computer sciences, physics, geography, or similar
- Strong skills in programming and software development (preferably in Python)
- Excellent analytical and problem solving abilities
- Experience with geospatial datasets and/or applications
- Good written and spoken communication skills in English
- Experience in machine learning would be an asset
- Experience in web development would be beneficial

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 3.277,30 at the pre-doc and EUR 4.351,90 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 May 1, 2023, and will continue until a suitable candidate is found. The envisaged start date is June 1, 2023 (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., travelling) for applicants.

For further information, please contact:
Prof. Dr. Wouter Dorigo

CLIMERS - Climate and Environmental Remote Sensing
GEO - Department of Geodesy and Geoinformation
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