



The Climate and Environmental Remote Sensing unit (CLIMERS, <http://climers.geo.tuwien.ac.at/>) of the Department of Geodesy and Geoinformation of TU Wien develops long-term remote sensing datasets of the water and carbon cycles and uses them to address pressing environmental issues, such as climate change, water resources management, drought monitoring, yield forecasting and wildfire prediction. We are currently looking for a motivated

Remote sensing scientist for drought and agricultural forecasting

to develop new approaches to monitor and forecast drought impacts in agriculture based on novel Earth observation products, e.g., of soil moisture, and vegetation activity. You should be comfortable with handling large geospatial datasets in different data formats and preparing your data and software in a standardized way, so that it can be shared with others. You will analyze these datasets and use them to develop new forecast models based on advanced machine learning approaches and publish your research in renown international scientific journals. Your results will directly contribute to various research projects (e.g., funded by the European Space Agency or the European Union) and be carried out in collaboration with international partners. Hence, reporting and presenting your work to our sponsors and to the scientific community is also part of your job, as well as supervising bachelor and master students. Depending on your ambitions and interests your work may, but does not have to, lead to a PhD.

Your profile

- Master's degree in remote sensing, environmental sciences, geoinformation sciences, meteorology, geodesy, physics, physical geography, or similar
- Strong programming skills (preferably in Python)
- Excellent analytical and problem-solving abilities
- Experience in machine learning is an asset
- Experience in online data visualization is an asset
- Interest in open-source code distribution and data sharing
- Experience with geospatial datasets and applications
- Excellent written and spoken communication skills in English
- Ability to work both independently and collaborate in a team and with scientists around the world

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 and 40 h/week (negotiable)
- Possibility to pursue a PhD

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 (based on 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 DROUGHT application'** to rs-sek@geo.tuwien.ac.at.

Candidate selection will start on July 24, 2023, and will continue until a suitable candidate is found. The envisaged start date is October 1st, 2023 (up for negotiation) and will initially be limited to 2 years (with possible extensions up to 6 years, depending on project funding). TU Wien will not refund any costs (e.g., travelling) for applicants.

For further information, please contact: Prof. Dr. Wouter Dorigo: wouter.dorigo@tuwien.ac.at