



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 highly motivated

### **Data Scientist in Climate and Environmental Remote Sensing**

with strong skills and interest in software development, machine learning, and earth system modelling. As part of the CLIMERS team, you will develop and implement methods to integrate earth observation and model data, process large data volumes, validate the results, and develop prediction models based on machine learning. Therefore, should be familiar and comfortable with handling large datasets in different data formats. Your skills in statistical modelling 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 European Space Agency) carried out in collaboration with international partners.

#### **Your profile**

- Master's or PhD degree in environmental sciences, geodesy, geoinformation sciences, computer sciences, physics, geography, or similar
- Strong experience in programming (e.g. Python, R, Matlab, C++) and software development (e.g. Scrum)
- Very good understanding of advanced statistics, especially of performance metrics and intercomparison/validation of datasets
- Experience in the processing, analysis and visualization of large datasets
- Experience in machine learning
- Experience in remote sensing and geospatial data would be an added value
- Experience in web development is an asset
- Ambition to pursue a PhD with an environmental focus
- Good written and spoken communication skills in English

#### **We offer**

- The opportunity to work in an innovative, motivated and successful team
- Workplace in the city center of Vienna
- Flexible working hours

- 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 2929.00 at the pre-doc and EUR 3889.50 at the post-doc level (40 h/week employment) and is paid 14 times per year.
- Envisaged start date is November 1<sup>st</sup>, 2020 and will be limited to 3 (1+2) years.

If this job opportunity fits your ambition 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 to [rs-sek@geo.tuwien.ac.at](mailto:rs-sek@geo.tuwien.ac.at). Candidate selection will start on October 5<sup>th</sup>, 2020 and will continue until a suitable candidate is found. TU Wien will not refund any cost occurring in the course of the application. For further information, please contact Prof. Wouter Dorigo at [wouter.dorigo@tuwien.ac.at](mailto:wouter.dorigo@tuwien.ac.at).