



# securing tomorrow's resources

## Scientist (f/m/d)

Institute for Crop and Soil Science - based in Braunschweig, Bundesallee

Application deadline: 18<sup>th</sup> March 2022 for reference number: BS-PB-WA-05-22

### Your responsibilities

- Active Participation in the Agricultural Remote Sensing Research Center (FLF);
- Development and implementation of workflows and process chains to produce agriculturally relevant remote sensing products and modeling results mainly on data from Copernicus Sentinel-1 and -2 missions;
- Development of algorithms for monitoring in the framework of the CAP (Common Agricultural Policy of the EU);
- Acquisition and preparation of references for calibration, validation and optimization of data products;
- Preparation of publications together with the FLF working group and presentation of results at national and international conferences in German and English;
- Publication of results in international peer-review journals.

### Your profile

- a university degree in geography, geoecology, geoinformatics or a related discipline;
- Sound knowledge and extensive experience in the use of remote sensing data and methods (UAV/satellite; optics/radar); experience in the field of radar remote sensing is advantageous;
- Knowledge and experience in the use of machine learning techniques and data mining is desirable;
- Knowledge in time series analysis and statistical analysis;
- Knowledge of process-based modeling and assimilation of remote sensing data an advantage;
- Sound programming skills preferably in Python or R;
- a PhD in the field of remote sensing or a comparable field is an advantage;
- The aptitude to work independently in a team and project-oriented manner;
- very good German and/or English language skills, both written and spoken including the ability to present issues orally and in writing for different target groups;
- a class B (III) driver's license and the willingness to travel on business trips.

### We offer

- a varied, challenging and interesting job in an international working environment;
- a full-time employment for 36 months with 39 hours a week. The employment contract will be based on the collective agreement for the public service (TVöD).
- remuneration according to salary group E 13 TVöD if you have the required qualifications and skills;
- an entry at the earliest possible date.

The Julius Kühn Institute (JKI) is an equal opportunities employer. The JKI is committed to inclusion. Applications from people with disabilities are therefore expressly welcome and given special consideration in the selection process. The JKI promotes the reconciliation of work and family life and, since 2021, has been holding the **audit workandfamily** certificate ([audit berufundfamilie](#)). Where possible, we offer flexible working time models to reconcile work and family life.

### More information

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### Applying online

Please apply via the INTERAMT job portal. To do so, click on the "**Online bewerben**" button on the INTERAMT page. The deadline for your application is 18<sup>th</sup> March 2022.

Please note that the language on the INTERAMT portal is German.

Unless you have already found this vacancy via INTERAMT, our job offers are available here:

<https://www.interamt.de/koop/app/trefferliste?partner=3695>

To apply, please register with INTERAMT at <https://www.interamt.de/koop/app/registrieren> or use your login if you are already a registered user. If you have any technical problems or questions regarding your registration, please contact INTERAMT directly at +49 (0) 345 4800-140 or by e-mail: [kontakt@interamt.de](mailto:kontakt@interamt.de).

Make sure to have uploaded all relevant documents for your online application by the application deadline.