



# Lebensgrundlagen für morgen sichern

## Scientist (m/w/d)

Institut for Strategies and Technology Assessment (SF) – Location Kleinmachnow

Application deadline: 15<sup>th</sup> April 2024 for the reference number: KM-SF-WA-07-24

### The Project

The Julius Kühn Institute (JKI) is participating in the German government's 2022 climate change mitigation program (Klimaschutzsofortprogramm 2022). Through a series of climate change mitigation projects, the JKI will contribute to achieving the goals set in the climate change mitigation program of the federal government over the next few years. In the project **KlimaFFolgen: Utilization of climate change mitigation potentials through optimized crop rotations – Germany-wide potential analysis and development of a field-specific decision support system (DSS)** the JKI-Institutes for Crop Production and Soil Science (PB) and for Strategies and Technology Assessment (SF) are working together on the Germany-wide assessment of crop rotations and development of a DSS to support climate change mitigation in agriculture.

### Your tasks

- Evaluation of prevailing and optimized crop rotations with regard to productivity and soil carbon effects as well as GHG balance including nitrous oxide emissions using process-based agroecosystem models;
- model parametrization, calibration and evaluation based on extensive experimental crop rotation datasets;
- model-based analysis of various crop rotations including catch crops, taking into account fertilization strategies, tillage and crop residue management as well as site-specific water availability;
- conception and support of the implementation of the DSS including preparation of the crop rotation classification and evaluation;
- coordination between the project partners, organization of project meetings and preparation and implementation of the research data management plan;
- preparation of reports and presentation of concepts and project results;
- publication of results at national and international specialist events and conferences as well as in national and international scientific journals.

### Your profile

- an university degree in agricultural or environmental sciences, bioinformatics, geoinformatics, geoecology, mathematics or a comparable discipline, preferably with a doctorate;
- in-depth knowledge and experience in statistical data analysis and modelling, preferably with agro-ecosystem models / crop models;
- knowledge of arable farming, crop rotations and soil carbon sequestration;
- knowledge and / or interest in carbon footprint analysis using life cycle analysis;
- experience in using Geographic Information Systems (GIS);
- experience in handling large amounts of data and in programming routines, preferably with R or Python;
- very good English and, if possible, also German language skills, both written and spoken;
- experience in preparing publications in peer-reviewed journals and presenting the project results at national and international conferences;
- the ability to work independently and on your own responsibility, including strong organizational and communication skills as well as flexibility;
- endurance and enjoyment of scientific work in a team.





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## We offer

- a diverse, demanding and interesting job in a goal- and solution-oriented working environment at the JKI as well as working in a project team at the JKI.
- a part-time position limited to 31<sup>st</sup> December 2025 with 29,25 hours per week to work on a research project. The employment relationship is based on the collective agreement for the public service East (TVöD-Ost).
- remuneration according to salary group E 13 TVöD.
- an entry as early as possible.

The JKI Kleinmachnow location can be easily reached from Berlin and Potsdam and is very well connected to public transport (Julius Kühn-Institut stop, 8 minutes from Berlin-Wannsee S-Bahn station).

The JKI subsidizes the Deutschlandticket for its staff, who can purchase it at a reduced subscription price of €23.28.

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 can be found [here](#).

## 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 25<sup>th</sup> March 2024.

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

An overview of all vacancies at the Julius Kühn Institute can be found [here](#). Alternatively you can simply scan the QR code at the bottom right corner with your mobile device.

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) 385 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.

**Direct:** If you see any problems with applying online, send your full application with all documents as **one** pdf-document to [bewerbungen@julius-kuehn.de](mailto:bewerbungen@julius-kuehn.de).

If you have an international degree, please also enclose a certificate evaluation from the Central Office for Foreign Education (ZAB) with your application. If you do not yet have a certificate evaluation, you would have to apply for one upon successful application. For more information, please visit <https://www.kmk.org/zab/zeugnisbewertung.html>.

