



Lebensgrundlagen für morgen sichern

Scientist (m/f/d)

Institute for Strategies and Technology Assessment – Location Kleinmachnow

Application Deadline: 16 May 2023 for the reference number: KM-SF-WA-13-23

The Julius Kühn Institute (JKI) is participating in the German government's 2022 climate protection program (Klimaschutzsofortprogramm 2022). Through a series of climate protection projects, the JKI will contribute to achieving the goals set in the climate protection program of the federal government over the next years.

The project

In the project **KlimAF – Evaluate and effectively utilize Climate Change Mitigation Potentials of Agroforestry**, five JKI institutes work together on relevant climate change mitigation challenges of agroforestry, on closing corresponding knowledge gaps and on the development of decision support systems for climate-efficient agroforestry systems. At the Institute for Strategies and Technology Assessment (SF), a web-based decision support system for the field-specific assessment of the production and the climate change mitigation potential of various agroforestry systems is being developed in the sub-project AgroForPraxis.

Your tasks

- modeling of biomass development and crop yields in various agroforestry systems using process-based agroecosystem models;
- simulation of changed microclimatic effects (incl. soil water availability) and leaf fall on plant growth depending on the distance to woody strips;
- modeling of soil carbon development and nitrous oxide emissions as well as Greenhouse Gas (GHG) accounting in different crop rotations in agroforestry systems;
- calibration and evaluation of the models based on primary and secondary data;
- GHG accounting taking into account the material and energetic inputs and outputs in agroforestry systems;
- Germany-wide assessment of the GHG reduction potential through large-scale implementation of agroforestry systems;
- close cooperation with the direct project partners in KlimAF (scientists, web developers and biotechnical assistants) and our international team of developers and scientists in a friendly working atmosphere;
- preparation of reports and presentation of concepts and project results;
- publication of results in national and international scientific journals.

You have

- a university degree (Masters/Diploma) in agricultural, forestry, environmental sciences, bioinformatics, geoinformatics, geo-ecology, mathematics or a comparable discipline;
- knowledge in the fields of agro-meteorology, soil science, crop physiology and agronomy;
- knowledge and experience in working with big datasets and in statistical data analysis and modelling, preferably with agro-ecosystem models / crop growth models;
- 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.
- good spoken and written language skills, including academic writing.



Lebensgrundlagen für morgen sichern

We offer

- a diversified, challenging and interesting job in a goal- and solution-oriented work environment at the JKI, as well as working in a project team at the JKI;
- a full-time position limited to 31 May 2026 with 39.0 hours per week per week on a third party funded project, subject to the availability of budget funds and final project approval. Generally, various forms of part-time employment are possible. The employment relationship is based on the collective agreement for the public sector East (TVöD-Ost).
- a remuneration according to salary group E 13;
- starting Date: 1 July 2023.

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

Upon employment, an allowance for the public transport Deutschland-Ticket Job of a maximum of 23,28 euros per month is available.

We guarantee professional equality. The Julius Kühn Institute is committed to inclusion. Applications from people with severe disabilities are therefore expressly encouraged. These will be given priority in the selection process. The JKI supports the compatibility of work and family and has held the [audit berufundfamilie](#) certificate since 2021. In order to support the compatibility of work and family, the JKI offers flexible working time models within the scope of the official possibilities. More information can be found [here](#).

More Information

Dr. Til Feike, Tel.: +49 (0) 3946 47-5260

Dr. Jörn Strassemeyer: +49 (0) 3946 47-5220

E-Mail: sf@julius-kuehn.de (Please provide the reference number when contacting us by email).

Online application

Please apply by 16 May 2023 via the online application system "Interamt". To do this, please click on the "Apply online" ("Online bewerben") button on the "Interamt" page.

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

For an overview of all open advertisements, please use this link:

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

For your application, please register with Interamt at <https://www.interamt.de/koop/app/registrieren>. If you are already registered as a user, please use your login. If you have technical problems or questions about your registration, please contact Interamt directly on +49 (0) 345 4800-140 or by email: kontakt@interamt.de.

Your meaningful and complete application documents must be uploaded to the system as part of the online process by the end of the application period.

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.