

The Institute of Applied Ecology (Chair of Climate Impact Research) at the Geisenheim University of Applied Sciences has a vacancy for a

PhD research position (m/f/d)

Reference No. 72/2022

to be filled on a part-time basis (65%) for the period of three years.

In a joint project funded by the BMBF, synergies of the use of two strategies of "carbon dioxide removal" (CDR) are to be explored together with researchers from the University of Hamburg, the Potsdam Institute for Climate Impact Research and the Ithaka Institute.

The joint project "Pyrogenic carbon and mineral weathering ("PyMiCCS") for accelerated plant growth and carbon removal and storage" is embedded in the CDRterra research network. In sub-project 3 (HGU), methods of plant cultivation sciences (soil science, plant nutrition), greenhouse gas flux measurements and the use of stable isotopes (^{13}C - CO_2) are applied.

Your tasks:

- Independent implementation of vessel experiments with and without plants in the greenhouse and in the field incl. soil and plant physiological measurements.
- Measurement and calculation of the fluxes of the stable greenhouse gases CO_2 , N_2O and CH_4 using the closed-chamber method
- Carrying out measurements accompanying the experiments in the laboratories of the project partners in Hamburg (short research visits)
- Statistical and graphical processing of the collected data, publication of the obtained results in technical articles and their presentation at project meetings and conferences.
- Substantial participation and support of the project management in the administrative project management as well as proactive communication with project and research partners
- (Co-)supervision of student theses (BSc, MSc)

Your professional and personal requirement profile:

- Completed scientific university studies (Master's degree or university diploma) in biology, agricultural sciences, biogeochemistry, soil science or geosciences (with a focus on soil) or comparable studies.
- Good knowledge of graphics and statistics software, e.g. use of the programming language R
- Initial experience with scientific publishing or greenhouse gas flux measurements is an advantage
- Problem-oriented, independent, reliable and systematic way of working
- High level of communication and teamwork skills, interest in CDR and science communication
- Good to very good knowledge of German and English, both written and spoken

What we offer:

- A challenging and varied job in an exciting, multifaceted collaborative project, embedded in a large research network with its own PhD student platform.
- Individual support within the framework of our graduate school with a wide range of qualification opportunities specially designed for young researchers

- Personal freedom and autonomous work
- Compatibility of family and career through flexible working hours
- The Hesse state ticket for 2023, which allows you, as a state employee, to use public transport throughout Hesse free of charge.
- Remuneration up to pay group 13 of the Hesse collective agreement (TV-H), subject to personal and collective agreement requirements.
- The position is limited to 3 years (§ 2 para. 1 WissZeitVG).

The university promotes equality between women and men. Applications from women are therefore particularly welcomed. In the case of equal suitability, people with disabilities (as defined by § 2 Para. 2 and 3 SGB IX) will be given preferential consideration. Please enclose a copy of your disabled person's identity card with your application.

Please send your application to Geisenheim University of Applied Sciences, Human Resources Management, Von-Lade-Strasse 1, 65366 Geisenheim, Germany, by 11 December 2022, quoting the above reference number, or send it in a PDF file to bewerbung@hs-gm.de.

Ms Klein will be happy to answer your initial questions (Tel.: 06722 502-226, e-mail: bewerbung@hs-gm.de). For questions regarding the content of your application, please contact Prof. Dr. Kammann (Tel.: 06722 502-755 or 0171-3531553, e-mail: Claudia.Kammann@hs-gm.de).

Your personal data from the application will be processed in accordance with Art. 88 Para. 1 DSGVO in conjunction with. § 23 para. 1 and 8 p. 2 HDSIG.