

PhD student (f/m/d) - Project: European Soil Erosion Monitoring and Modelling Network for Sustainable Agricultural Land Management

Stellenanbieter: Leibniz-Zentrum für Agrarlandschaftsforschung (ZALF) e.V.

The mission of the Leibniz Centre for Agricultural Landscape Research (ZALF) as a nationally and internationally active research institute is to deliver solutions for an ecologically, economically and socially sustainable agriculture – together with society. ZALF is a member of the Leibniz Association and is located in Müncheberg (approx. 35 minutes by regional train from Berlin-Lichtenberg). It also maintains a research station with further locations in Dedelow and Paulinenaue.

The ZALF Research Group on “Soil Erosion and Feedbacks” aims at assessing soil erosion processes driven by wind, water, and anthropogenic activities as well as their general impacts on landscape functioning. For this strongly transdisciplinary goal we apply qualitative and quantitative approaches. A key issue of the working group is the integration of the different soil erosion processes on landscape scale.

The project “**European Soil Erosion Monitoring and Modelling Network for Sustainable Agricultural Land Management**” (**EUROSION**) is an EU-funded project with 23 partner institutions, that aims to create a robust monitoring network to:

- support the expansion, improvement and harmonization of existing data, knowledge, and monitoring approaches to reduce soil erosion.
- develop a pan-European dynamic soil erosion monitoring system to assess soil erosion status and trends across spatial and temporal scales and
- promote best management practices to agricultural land managers and decision-makers.

We are offering a 65% (26h/week) part time position temporarily limited for 3 years at our location in Müncheberg as a

PhD student (f/m/d)

70-2025

Your tasks:

- installation and operation of wind erosion measurement fields
- data collection, evaluation, and integration into different wind erosion models
- analysis of the structures of agriculturally used regions
- conversion of agricultural tillage measures into physical parameters for modeling

Your qualifications:

- a very good graded master degree in agricultural sciences, soil science, meteorology or related disciplines
- experiences with process based erosion models, field measurements and atmospheric boundary layer processes
- detailed knowledge of GIS, Google Earth Engine, and programming in these systems
- high degree of initiative, excellent communication and teamwork skills in an interdisciplinary environment with a high personal motivation achieving goals and a high scientific curiosity
- a high level for independent and self-reliant work mode
- excellent English and German proficiency (spoken and written)

What we offer:

- collaboration in an international project with leading scientists in this field of research
- an interdisciplinary working environment that encourages independence and self-reliance
- a collegial and open-minded working atmosphere in a dynamic research institution
- classification according to the collective agreement of the federal states (TV-L) up to E13 (including special annual payment)
- excellent connections to Berlin with the offer of a job ticket
- in-house language courses in German and English

ZALF promotes equality among all employees and welcomes applications regardless of ethnic, cultural, or social background, age, religion, ideology, disability, gender, or sexual identity. It is generally possible to work in the position on a part-time basis. Please send your application preferably online (see button online application below). For e-mail applications, create a PDF document (one PDF file, max. 5 MB; packed PDF documents, archive files like zip, rar etc. Word documents cannot be processed and therefore cannot be considered!) with the usual documents, in particular CV, proof of qualification and certificates, stating **the reference number 70-2025 until 15 December 2025** to (see button e-mail application below).

If you have any questions, please do not hesitate to contact us: **Roger Funk**, rfunk@zalf.de, Tel. +49 (0) 33432/82-321.

For cost reasons, application documents or extensive publications can only be returned if an adequately stamped envelope is attached. If you apply, we collect and process your personal data in accordance with Articles 5 and 6 of the EU GDPR only for the processing of your application and for purposes that result from possible future employment with the ZALF. Your data will be deleted after six months.

Bewerbungsschluss: 15.12.2025

Stellenanbieter: Leibniz-Zentrum für Agrarlandschaftsforschung (ZALF) e.V.

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Online-Bewerbung:

<https://jobs.zalf.de/en/jobposting/d605d23b356789a6ae4c7e49e70893988fff4ad40/apply?ref=GJ>

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