

Trier University conducts socially relevant research and teaching that is in tune with the times, with a strong focus on digitalization, interdisciplinarity, and diversity. The focus is on humans and their relationships with society, law, economy, and the environment. With over 10,000 students and around 2,000 employees, Trier University is one of the largest employers in the European border region of Trier. Short distances on a green campus, a vibrant academic life, and an open-minded working culture offer many opportunities to make a difference.

In faculty VI - Spatial and Environmental Sciences, the Dpt. of **Geoinformatics – Spatial Data Science** (JProf. Dr. David Frantz) is offering the following fixed-term position as soon as possible to 31 December 2027:

Research Associate (m/f/d)

**(Salary group E 13 TV-L, 100%, fixed term until 31 December 2027 (WissZeitVG),
opportunity for scientific qualification)**

The position is offered as part of the joint project ForestPulse: Development of a Copernicus service for producing consistent data on Germany's forest area. The goal of the subproject 'Data Management' is to develop coordinated forest information layers based on the nationwide Sentinel-2 archive and make them available to a broad user group for free and with customizable options via a publicly accessible cloud service.

Your Responsibilities

In the project, you will work closely with colleagues from the Dept. of Geoinformatics – Spatial Data Science, the Thünen Institute of Forest Ecosystems, Landesforsten Rheinland-Pfalz, HAWK Göttingen, and the forestry research institutes of Northwest Germany and Baden-Württemberg. Your focus will be on the technical development and orchestration of workflows within a workflow management system on cloud resources (CODE-DE). You will also significantly contribute to the research activities of the project and will cooperate intensively with the project partners.

Your tasks include:

- Software and data management
- Workflow development in a workflow management system
- Setup of cloud resources and workflow orchestration
- Setup of OGC services for data dissemination
- Documentation
- Collaboration and communication in the joint project
- Publication of research results

The position is primarily designed as a PostDoc position. However, with appropriate qualifications, employment without a doctoral degree is possible, with the opportunity of obtaining a PhD. You may further qualify scientifically and pedagogically in higher education and contribute to the academic self administration.

We await applications in a single PDF file until 07.02.2025

Send applications to

david.frantz@uni-trier.de
Universität Trier
Fachbereich VI – Geoinformatics
z. H. JProf. Dr. David Frantz

Contact for questions

JProf. Dr. David Frantz oder Dr. Johannes Stoffels
Tel. +49 651 201-1848 Mail: david.frantz@uni-trier.de
Tel. +49 651 201-4698 Mail: stoffels@uni-trier.de
www.uni-trier.de

Our Expectations

The hiring requirements are based on § 57 Abs. 2 und 3 HochSchG. An essential requirement is the successful completion of a scientific university degree in geoinformatics, remote sensing, data science, computer science, or similar programs relevant to the task spectrum (Master, Diploma, or equivalent) with above-average results; for the position as a PostDoc, an additional qualified doctorate related to the job profile is required.

We expect:

- Teamwork skills
- Very good programming skills in at least one programming language
- An interest in earth observation data and forestry applications
- Knowledge of version control systems (git + e.g., GitHub)
- Knowledge of container technology (Docker + e.g., DockerHub)
- Ideally, experience with workflow management systems (e.g., Nextflow)
- Ideally, experience with process orchestration (e.g., Kubernetes)
- (Very) good language skills in German or English

Our Offer

- Participation in a national flagship project, possibly with the opportunity for doctoral studies
- Extensive training opportunities
- Internationally active research collaborations and a scientifically networked, motivated team
- Family-friendly university with holiday care offerings
- Discounts on university sports and canteen
- Annual special payment according to the tariff agreement

The position is suitable for part-time work. Trier University seeks to increase the number of its female employees and strongly encourages women to apply. Persons with disabilities and those with equivalent status according to § 2 section 3 SGB IX are given preference if equally qualified (please attach proof).

Please send application documents (motivation letter, CV, copies of certificates, list of publications) exclusively in a single PDF file. Applications submitted by postal mail cannot be processed or returned. For more information on the processing of your personal data, please refer to the privacy notice for application procedures under Article 13 DSGVO on our homepage.

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