Job vacancy at the Johann Heinrich von Thünen-Institute

The **Institute of Forestry** of the Johann Heinrich von Thünen Institute, Federal Research Institute for Rural Areas, Forestry and Fisheries, in Hamburg-Bergedorf is looking for the following **full-time position** starting 01.04.2024 for a period of 27 month

Researcher with experience in Geoinformatics and Spatial Data Science (f/m/d)

The position will be embedded in the research unit Forestry Worldwide which focus on sustainable forest management in a landscape context, the potential of forest management for sustainable development and its influence on livelihoods of rural populations in the tropics. An important prerequisite for this is the reconciling of land use with climate goals and the conservation of biodiversity.

The position will be part of the research project "GEOSpatial remote sensing-based detection of land use change in support of the EU regulation on deforestation-free supply chains (GEOS-EUDR)" funded by BMZ. The project supports the implementation of sustainable and deforestation-free supply chains and accompanies the implementation of the EU regulation on deforestation-free supply chains (EUDR) from a scientific perspective. It aims to improve the implementation of the regulation in the area of geolocalization and detection of deforestation and forest degradation using remote sensing and geocomputational approaches. It considers the feasibility of EUDR-compliant implementation along the entire stakeholder chain – from geodata collection by producers to desk-based monitoring by national authorities.

Main tasks and responsibilities:
- Development of a meta-database to synthesise current EUDR conform spatially-explicit reference information
- Development of EUDR conform reference maps on a global-scale, with a particular focus on tree-based land use systems (agroforestry, forest, other wooded land, plantations)
- Organisation of short field campaigns for ground truthing and key informant interviews in up to three regions of relevant EUDR commodities in the Global South to evaluate uncertainty of geospatial reference information and to assess local knowledge on geolocation and relevant land use categories
- Conducting geostatistical assessments to determine uncertainty of spatial reference information and global reference maps
- Preparing scientific publications, project reports and training materials
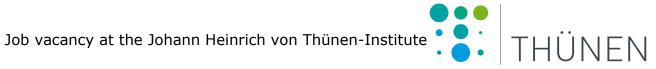- Presentation of methodology and results at national meetings and international conferences

Requirements:
- MSc. (good or very good) or PhD degree in geoinformation sciences, environmental management, or related fields such as agricultural or forestry sciences
- Proficiency in GIS and geospatial data processing using R or Python
- Profound knowledge in land use systems and forest management is an asset
- Experience in using cloud-based platforms such as Google Earth Engine desirable
- Willingness to travel to case study regions of Global South
- Able to work both independently and collaborate in a team
- Good intercultural communication skills and social competence are an advantage
- Good knowledge of English is mandatory (e.g., B2 CEFR), good command of German desirable (e.g., B1), other languages e.g., Spanish or French advantageous

We offer the opportunity to work in an international, innovative and successful team at a federal research institute that serves the public and supports political decision-making processes.

We offer you a diverse and interesting job in an international environment. You will work on challenging tasks in a dynamic research institute, characterized by lively interdisciplinary exchange. Your research results serve the public and support political decision-making processes.

Index number: 2024-008-WF-engl

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We support the compatibility of work and family and are holders of the [audit berufundfamilie](#)' certificate. The Thünen Institute offers flexible working time models, home office and telework within the scope of the official possibilities. Part-time employment is possible in principle.

The employment is governed by the provisions of the Collective Agreement for the Public Service (TVöD); the remuneration is paid if the tariff and personal requirements according to salary group 13 TVöD are fulfilled.

The Thünen Institute promotes professional equality among women and men and therefore welcomes applications from women in particular.

The Thünen Institute is committed to inclusion. Applications from people with severe disabilities are therefore encouraged. They will be given special consideration in the selection process.

For inquiries about this job positing contact **Dr. Melvin Lippe** (melvin.lippe@thuenen.de, Tel. +49 40-73962-339).

If this job opportunity fits your ambition and interest, we are looking forward to receiving your electronic application (cover letter outlining your research interests and why apply for this position, Curriculum vitae, working and study certificates, transcript of records, and publications if available) in English as a single PDF until **07.02.2024.** Please use the reference **2024-008-WF** and send it to:

wf-bewerbungen@thuenen.de
or
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Prof. Dr. Matthias Dieter
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Informations about Artikel 13 DSGVO: www.thuenen.de/de/thuenen-institut/karriere