iDiv
German Centre for Integrative Biodiversity Research (iDiv) Halle-Jena-Leipzig

External Job Announcement
Reg.-Nr. 4-12611/22-D

Modern, interconnected, conscious of tradition: Martin Luther University Halle-Wittenberg (MLU) is the oldest and largest university in the State of Saxony-Anhalt with a history dating back more than 500 years. Today more than 20,000 students are enrolled at the university. MLU's core research areas are in the nanosciences and biosciences, the Enlightenment, as well as in social and cultural research. The university is also home to a range of small disciplines, some of which can be found nowhere else in Germany. The university has excellent national and international ties, and works closely together with leading research institutes, industry and more than 250 universities around the world.

The Martin Luther University Halle-Wittenberg, in cooperation with the German Centre for Integrative Biodiversity Research (iDiv) Halle-Jena-Leipzig, offers the following position in Leipzig, starting as soon as possible and till the end of the project (30.06.2026):

Geospatial data analyst and programmer (m/f/d)

as full-time employment.

The salary will be up to Entgeltgruppe 11 TV-L, if the personal requirements and tasks are fulfilled. The workplace will be in Leipzig in the Biodiversity Conservation research group.

The project and research group:

The German Centre for Integrative Biodiversity Research (iDiv) Halle-Jena-Leipzig is a National Research Centre funded by the German Research Foundation (DFG). Its central mission is to promote theory-driven synthesis and data-driven theory in integrative biodiversity research. It is located in the city of Leipzig and it is a central institution of the Leipzig University, jointly hosted by the Martin Luther University Halle-Wittenberg (MLU), the Friedrich Schiller University Jena and the Helmholtz Centre for Environmental Research (UFZ). More information about iDiv: www.idiv.de.

This position is affiliated with the Biodiversity Conservation Professorship of Prof. Henrique Pereira. The Biodiversity Conservation group investigates patterns and processes of global biodiversity change, with the goal of informing environmental policy and management of ecosystems. For more information, please visit our lab website: www.idiv.de/research/idiv_core_groups/biodiversity_conservation.html.

The position is funded by the Horizon Europe research project "NaturaConnect: Designing a resilient and coherent Trans-European Network for Nature and People". NaturaConnect aims to support the implementation of the EU Biodiversity Strategy for 2030, through an integration of interdisciplinary research and stakeholder engagement across scales, to develop spatial planning and policy supporting tools for biodiversity conservation. The research will be done in collaboration with a consortium of 20 partner institutions including scientific institutes across Europe and some of the major European NGOs.

The position is aimed at implementing geospatial analysis of biodiversity, ecosystem services, land-use management, and climate datasets. It also includes supporting the implementation of the Project Data Management Plan (DMO).

Tasks:

- Design, apply, and document the programmable (Python and R) workflows necessary to analyze geospatial data based on the analysis requirements of the NaturaConnect Project
- Support the implementation of the DMO, including the design and implementation of database structures and the documentation of data services
- Contribute to the development of the Essential Biodiversity Variables Data Portal (portal.geobon.org) and mobilize relevant data in the Portal, including curation
- Provide analytical support and technical guidance on geo-spatial analyses to the members of the Biodiversity Conservation Group, including analyses in ArcGIS and QGIS

Requirements:

- University degree in Geographic Information Science, Computer Science, Geography, Biology, or a related field
- Completed training in Geographic Information Science
- Demonstrated experience in the implementation of geospatial information workflows using Python and/or R
- Demonstrated experience in advanced GIS analysis and modelling software, specially using raster datasets
- Demonstrated experience in the design, management, and implementation of geospatial databases and geographic information technology (e.g., PostgreSQL & PostGIS, etc.)
- Fluency in English and German
- Experience in software and/or plugging development is a plus
- Fluency in other languages spoken in the European Union is a plus

The Martin Luther University Halle-Wittenberg gives priority to applications from severely disabled candidates with equivalent qualifications. Women are particularly encouraged to apply. Applicants with a degree that was not obtained at a German higher education institution must submit a Statement of Comparability for Foreign Higher Education Qualifications from the Central Office for Foreign Education (Zentralstelle für ausländisches Bildungswesen) to prove equivalence. This Statement can also be submitted after successful completion of the hiring process.

Queries concerning the application process should be directed to hr@idiv.de. For queries about the research project please contact nestor.fernandez@idiv.de.

Please submit your full application dossier only in English with registration number 4-12611/22-D until 08.12.2022. Applications should be submitted via our iDiv application portal at https://apply.idiv.de. Applications should include motivation letter tailored to the research project, curriculum vitae, a digital copy of of the highest academic degree, contact details from two independent referees. Application portfolios will not be returned, application costs will not be reimbursed.

iDiv is committed to establishing and maintaining a diverse and inclusive community that collectively supports and implements our mission to do great science. We will welcome, recruit, develop, and advance talented staff from diverse genders and backgrounds.