



iDiv

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

External Job Announcement Reg.-Nr. 4-12868/21-D

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 (preferably 1 January, 2022) and limited till 30th September 2024:

Scientific employee - Biodiversity Conservation (m/f/d)

70% of a full-time employment

The salary will be up to Entgeltgruppe 13 TV-L, if the personal requirements and tasks are fulfilled. The workplace will be in Leipzig in the research group of Prof. Henrique Pereira.

The project:

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 research group studies the patterns and processes of global biodiversity change, with the goal of informing environmental policy and management of ecosystems. The research is particularly focused in the impacts of land-use change on biodiversity and ecosystem services across scales. The research approaches range from fieldwork on the biodiversity consequences of rewilding abandoned farmland to models of biodiversity for future socio-economic scenarios.

Tasks:

- supporting various scientific projects with data analysis and computation tasks, including Python programming and GIS analysis
- developing R and Python packages
- manage all the ecological data in the group, both from field work and GIS analysis, from metadata annotation of datasets to archive data management
- planning and carrying out ecological field work for the research projects in the lab (e.g. camera-trapping, forest inventories, drone aerial surveying)
- participation in teaching of field biology and GIS courses for Master students
- participation in the writing of research papers and reports
- contributing to the dissemination of project results via conference presentations.



Requirements:

- Scientific University degree (Diploma/ M.Sc.) in Biology
- experience in GIS analysis and advanced knowledge in Python programming
- advanced R-skills: e.g. development of R packages
- experience in working with and creation of netCDF files
- experience with remote sensing data (e.g. MOD13A3 –NDVI)
- experience with version control (e.g. Git)
- experience to work with command line tools (gdal, ogr, psql) in Windows and Linux environments
- experience with parallel and HPC (high performance cluster) computing
- field work experience, including drone flying (confirmed by a course certificate) and forest inventory
- experience with databases (PostgreSQL and Postgis)
- strong communication skills in English

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.

For queries about the research project please contact Prof. Henrique Pereira, Email: hpereira@idiv.de. Application portfolios will not be returned, application costs will not be reimbursed.

Please submit your full application dossier only in English with registration number 4-12868/21-D until 01/11/2021.

Applications should be submitted on the website <https://apply.idiv.de>. Applications should include motivation letter, curriculum vitae and the digital copy of the highest academic degree (e.g. PhD).

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.