

The German Centre for Integrative Biodiversity Research (iDiv) Halle-Jena-Leipzig is one of four National Research Centres funded by the German Research Foundation (DFG). Its central mission is to promote theory-driven synthesis and data-driven theory in this emerging field. The concept of iDiv encompasses the detection of biodiversity, understanding its emergence, exploring its consequences for ecosystem functions and services, and developing strategies to safeguard biodiversity under global change. It is located in the city of Leipzig and it's a central institution of the Leipzig University, jointly hosted by the Martin Luther University Halle-Wittenberg, the Friedrich-Schiller-University Jena and the Helmholtz Centre for Environmental Research (UFZ). Furthermore, it gains support by the Max Planck Society, the Leibniz Association and the Free State of Saxony. More Information about iDiv: www.idiv.de.

The Leipzig University offers the following position as soon as possible:

Scientific specialist in geo-computation
(limited until 31 October 2021, pending on funding)
Salary: Entgeltgruppe 13 TV-L

Global environmental problems are usually vast and complex. Analysing such problems implies the need to overcome various computational challenges. It requires using powerful tools and smart programming techniques to efficiently process huge datasets. To tackle these challenges using cutting-edge methodologies in a highly interdisciplinary environment, we are looking for a Scientific Specialist in geo-computation to join our [Macroecology & Society group](#) at the German Centre for Integrative Biodiversity Research Halle-Jena-Leipzig (iDiv).

Job description:

- supporting various scientific projects with data analysis and computation tasks
- scripting geo-processing routines to develop and analyse large spatiotemporal datasets
- handling of diverse datasets in the 100s of GBs to TBs dimension, ranging from global high resolution time-series of raster layers derived from remote-sensing (e.g. land-cover/-use, climate, biodiversity) to large socioeconomic databases
- contributing to the dissemination of project results via journal publications, media presentations, etc.
- fostering knowledge transfers within the group, e.g. by designing and annotating code for easy re-usability or through occasional informal workshops

Requirements/expected profile:

- successfully completed MA degree (or equivalent) in computer science, geo-informatics or another relevant field
- practical experience in (geo)informatics at some point in your career
- high motivation and skills to develop efficient solutions for large geo-processing tasks
- prior experience in command-line based geo-computation using open source programming is expected (ideally in a Linux environment)
- ability to tackle challenges in a solution-focused manner, including familiarizing yourself with new tools as appropriate for the task at hand
- experience in version control (e.g. Git) and routine documentation of workflows is expected
- proactive, team-oriented and with strong communication skills in English

We offer:

- an exciting technically focused scientific position with a competitive salary in a highly dynamic working environment
- workplace with state-of-the-art computational tools and datasets, while being fully integrated into our working group
- contributing to cutting-edge research on global environmental challenges
- access to iDiv's powerful high-performance cluster computing resources, designed to facilitate huge processing tasks within a short amount of time
- ability to spend time expanding your own IT skills in order to tackle difficult assignments
- regular knowledge exchange with iDiv's researchers and informatics units will be encouraged

Applications are accepted until **31.08.2018**

Applications should include:

- cover letter describing motivation, interests & relevant experience
- curriculum vitae, including a detailed account of relevant technical skills/prior experience
- access to one of your recent IT/ geo-computation projects relevant to this position (e.g. link to GitHub depository)
- one letter of recommendation of a former employer/ professor
- digital copy of BA/ MA certificate

Applications with reference file number **185/2018** are accepted via our application portal under apply.idiv.de. We prefer applications via our application portal, hard copy applications can be sent to German Centre for Integrative Biodiversity Research – iDiv; Franziska Hübner; Deutscher Platz 5e; 04103 Leipzig. For queries on the application, please contact Franziska Hübner (franziska.huebner@idiv.de); for project-related questions, contact Dr. Carsten Meyer (carsten.meyer@idiv.de).

Applying via email is questionable under data protection law. The sender assumes full responsibility.

Severely disabled persons are encouraged to apply and will be given preference in the case of equal suitability.

Data Protection

By sending us your application documents you consent to the processing of the data contained within for the purpose of the selection process for the advertised position. You can revoke your consent at any time. The processing takes place exclusively for this selection process and is carried out on the basis of Article 6 of the GDPR (General Data Protection Regulation). This includes passing on data to the members of the selection committee, the HR office, the Commissioner for Equal Opportunities, the Representative Body for Severely Disabled Employees and the Staff Council as part of their organizational or legal responsibilities. Your data will be stored for a maximum of 6 months following completion of the selection process and subsequently deleted.

In accordance with the GDPR you have the right to receive information from the recipient of the application about your personal data, the right to correction, deletion or restriction of processing, as well as a right to object to processing.

If you have any questions, please contact the Leipzig University data protection officer (Mr. Thomas Braatz, Augustusplatz 10, 04109 Leipzig, tel.: 03419730081).