Postdoctoral Researcher

"Patterns and drivers of global land-cover & land-use changes"

(limited to 2 years, with possible prolongation until 31 October 2021, pending on funding)
Salary: Entgeltgruppe 13 TV-L

Background:
Land-cover and land-use changes (LULCC) are important components of global environmental change with profound effects on biodiversity, climate, and socioeconomic systems. To address fundamental questions regarding the patterns and drivers of global LULCC in a highly interdisciplinary and collaborative environment, we offer an exciting two-year Postdoc position at the German Centre for Integrative Biodiversity Research Halle-Jena-Leipzig (iDiv). The project is supervised by Dr. Carsten Meyer (head of iDiv's *Macroecology & Society* group).

Job description:
- carrying out empirical research on patterns and drivers of recent global LULCC, by employing cutting-edge statistical tools to analyse large spatiotemporal datasets
- targeted work aims at quantifying generalities, scale-dependencies, and possible systemic changes in the relationships between LULCC and selected drivers
- developing time-series for selected LULCC drivers, complementary with recently developed global gridded time-series of various land-cover/land-use variables
- setting up and annotating analysis scripts within a longer-lasting infrastructure for global land-use analysis
- leading the dissemination of project results via journal publications, conference presentations, media presentations, etc.

Requirements / expected profile:
- successfully completed PhD in a project-related field
- high motivation and skills to analyse large environmental datasets (up to several TBs dimension)
- prior experience in command-line based geo-computation, spatial/spatiotemporal statistics, open source programming languages (ideally in a Linux environment), and version control (e.g. Git)
- excellent track record of first-author publications in high-impact multidisciplinary or leading disciplinary journals is expected
- pro-active, team-oriented and with excellent communication and written skills in English

We offer:
- highly dynamic working environment
- collaborations within and beyond iDiv are envisaged
- opportunities to contribute to graduate school teaching
- access to powerful high-performance cluster resources and support by iDiv's informatics units

Applications are accepted **until 31.08.2018.**

Applications should include:
- cover letter describing motivation, research interests & relevant experience
- curriculum vitae, including a detailed account of relevant skills/prior experience
- access to one of your recent geo-computation/statistics projects relevant for this position (e.g., paper, GitHub depository)
- digital copy of your best first-authored journal publication
- one letter of recommendation as well as contact details of two scientific references
- digital copy of PhD certificate

Institution:
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.

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).