

Position Opening

The Chair of Global Change Ecology at the Biocenter of the Julius-Maximilians-Universität Würzburg (JMU), Germany, is inviting applications for a

Technical research assistant (m/f/d) as data manager and IT specialist (71%)

The position will be available to start as soon as possible and will become permanent after an initial fixed-term period of up to two years and successful evaluation. Provided that the requirements are met, remuneration will be based on the collective agreement for the public service of German federal states (*Tarifvertrag für den öffentlichen Dienst der Länder, TV-L*). Classification is possible up to pay group E13 TV-L, depending on qualifications. The position is part-time (71 %).

The position will be based at the recently established Department for Global Change Ecology where we do research and teaching on biodiversity under global change. Our work is largely based on the analyses of extensive datasets from ecology, biogeography, climatology, and related fields. Tasks of the successful applicant include data management, programming and IT support for colleagues and students, management of IT hardware and software, website maintenance. Active involvement in research projects as well as teaching and supervision is expected.

Your duties/responsibilities:

- Professional management, processing, curation and analyses of extensive datasets, including establishment and maintenance of databases
- Research on new data sources and programming packages
- Administrative and technical management of the IT hardware of the department
- Development and maintenance of the department's server environment
- Support in programming, GIS and in all IT-/data-related issues for team members and students
- Maintenance and further development of statistical and modelling frameworks used in the lab, including machine learning or AI applications
- Implementation of R-Shiny web applications
- Establishing standards for reproducibility and replicability of data management and analyses
- Website design and maintenance
- Support in organizational issues of the department

Qualifications:

- BSc or MSc degree in computer or data science, statistics, geography, ecology, environmental science or another relevant field
- Strong expertise in managing and processing large datasets, preferably of environmental and biodiversity data
- Strong experience in quantitative data analysis, statistics and machine learning
- Excellent programming skills in R; proficiency in additional programming languages is beneficial
- Good knowledge in geographic information systems (GIS) and databases (SQL)
- Interests in the fields of global change ecology and biodiversity research, creativity and enthusiasm
- Experience with high performance computing is beneficial
- Very good English skills (written and oral); knowledge of German is not mandatory, but beneficial
- Strong ability and willingness to work in a team and motivation to help build a new, vibrant research and teaching environment

What we offer:

- To become part of an international and collaborative team with modern facilities
- Networking possibilities with different national and international collaboration partners
- A healthy work environment, including flexible working hours and options to work from home
- Access to the support systems of the University
- Participation in international conferences, retreats or workshops
- An attractive workplace on a growing campus with good infrastructure

The JMU aims to reduce the underrepresentation of women and therefore explicitly encourages qualified women to apply. Severely handicapped applicants will be given preferential consideration in the case of broadly equal suitability, ability and professional achievements.

Your application should be prepared preferably as **one single pdf-file** including (1) a motivation letter, (2) a detailed CV, (3) contact information of two referees, (4) exam certificates.

For further information, please contact Prof. Dr. Christian Hof, head of the Chair of Global Change Ecology (christian.hof@uni-wuerzburg.de, +49 931 31 87965).

Your application should be sent **by email** to christian.hof@uni-wuerzburg.de.

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The closing date for applications is **15 November 2023**.

Please do not send any original documents to us; only send photocopies. As we need to save costs, we will not be able to return your documents to you. They will be shredded shortly after a hiring decision has been made. If you enclose a postage-paid return envelope, we will return your application documents to you three months after a hiring decision has been made.