TUD Dresden University of Technology, as a University of Excellence, is one of the leading and most dynamic research institutions in the country. TUD embodies a university culture that is characterized by cosmopolitanism, mutual appreciation, thriving innovation and active participation. For TUD diversity is an essential feature and a quality criterion of an excellent university. Accordingly, we welcome all applicants who would like to commit themselves, their achievements and productivity to the success of the whole institution.

At the **Faculty of Environmental Sciences, Department of Hydro Sciences, Chair of Hydrology** offers a position as

<div align="center">

Research Associate / Postdoc (m/f/x)

(subject to personal qualification, employees are remunerated according to salary group E 13 TV-L)

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for 3 years. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz - WissZeitVG). The position aims to obtain further academic qualifications. The compatibility of family and career is a high priority. In principle, the position is also suitable for part-time employees. Please note this request in your application.

Tasks: We seek a specialist who will apply their skills to future research and development in hydro system modeling and optimal water resources management. You will work with us on integrating methods from data analysis, hydrological modeling, optimization, and machine learning to enable informed decisions in water resource management and risk management. In addition to research, you will actively participate in teaching (according to DAVOHS).

Requirements: a Ph.D. degree in Hydrology, Earth System Sciences, Environmental Sciences or Environmental Informatics, Applied Physics / Mathematics or a related field, preferably at least one year of postdoctoral experience; proven experience in academic teaching as well as work in project teams, scientific publications and presentations at international conferences. Publications and presentations at international conferences; excellent skills in the areas of programming with Python or Matlab, hydrological model development, or machine learning; also experience in working with large data sets and standards such as Climate and Forecast (CF) metadata convention and collaboration tools like Gitlab or Github. **The position is not tied to a specific research project but allows you to develop your own research profile. Good German and excellent English language skills are desirable.**

TUD strives to employ more women in academia and research. We therefore expressly encourage women to apply. The University is a certified family-friendly university and offers a Dual Career Service. We welcome applications from candidates with disabilities. If multiple candidates prove to be equally qualified, those with disabilities or with equivalent status pursuant to the German Social Code IX (SGB IX) will receive priority for employment. Please submit your detailed application with the usual documents by **April 30, 2024** (stamped arrival date of the university central mail service or the time stamp on the email server of TUD applies), preferably via the TUD SecureMail Portal https://securemail.tu-dresden.de by sending it as a single pdf file to **hydrologie@tu-dresden.de** or to **TU Dresden, Fakultät Umwelt-wissenschaften, Fachrichtung Hydrowissenschaften, Institut für Hydrologie und Meteorologie, Professur für Hydrologie**, **Herrn Prof. Niels Schütze, Helmholtzstr. 10, 01069 Dresden**. Please submit copies only, as your application will not be returned to you. Expenses incurred in attending interviews cannot be reimbursed.