



## **Open PhD position (m/f/d) Hydrology and Hydraulic Modeling**

### **We are looking for:**

A doctoral candidate (project assistant, pre-doc) for research work in the project “Hydrology Weinviertel – Development of design values for flood protection in pluvial catchments”. The position is available as soon as possible at the Institute of Hydraulic Engineering and Water Resources Management at TU Wien and is limited to 1 year (full-time, 40 hours per week), with the option for extension. The primary place of employment is TU Wien in Vienna; depending on project progress, research work is planned in the Weinviertel region and at the HOAL site in Petzenkirchen (Lower Austria).

### **Your tasks:**

- Participation in the research project “Hydrology Weinviertel”, with a focus on hydraulic modelling (setup, calibration, and evaluation of models)
- Application and development of models for simulating hydrological processes and water movement
- Preparation and presentation of research results at scientific events (workshops, conferences)
- Writing a doctoral dissertation as well as scientific publications within the project context

### **Your profile:**

- Completed master’s or diploma degree in a relevant technical or scientific field (e.g., civil engineering, environmental engineering, water resources engineering, or similar)
- Strong interest in research in the field of hydrology/water resources and willingness to engage with new topics
- Experience and knowledge in hydraulic modelling; confident use of relevant software (e.g., HEC-RAS) and programming skills (e.g., Python)
- Excellent command of English, both written and spoken; knowledge of German (at least B1 level) is an advantage

**We offer:**

- Involvement in a current research project with high practical relevance for water management in Lower Austria
- Modern and well-equipped workplace at TU Wien in the heart of Vienna; opportunity for fieldwork in the Weinviertel region and at the HOAL site in Petzenkirchen (<https://hoal.hydrology.at/the-hoal>)
- Strong networking within the national and international research community (cooperation with public authorities and research institutions)
- Attractive social benefits (see [Fringe-Benefit Katalog der TU Wien](#))
- Extensive training and development opportunities, participation in national and international conferences
- Support for career development and future career options after graduation

The position is classified according to salary group B1 of the collective agreement for employees of Austrian universities. For a full-time position (40 hours per week), the minimum monthly gross salary is currently EUR 3,714.80 (14 times per year). Job-related periods of previous employments can be credited.

We look forward to receiving your application (in German or English) as a PDF file as soon as possible, addressed to Prof. Günter Blöschl (Institute of Hydraulic Engineering and Water Resources Management, TU Wien) via email: [bloeschl@hydro.tuwien.ac.at](mailto:bloeschl@hydro.tuwien.ac.at)