



Freiburg, 28.05.2021

## GIS specialist position (50%)

at the University of Freiburg, Chair of Environmental Hydrological Systems

([https://www.hydsys.uni-freiburg.de/?set\\_language=en](https://www.hydsys.uni-freiburg.de/?set_language=en))

Starting date: summer 2021

You will work in the project 'Drought and flood statistics in regulated catchments (DFStaR)', which is funded by the German Science Foundation (DFG). Hydrological extremes can have particularly severe impacts if droughts and floods happen in areas with high human presence and therefore high damage potential. To reduce the negative impacts of hydrologic extremes, we therefore need estimates of their magnitude and frequency under regulated conditions. These estimates for regulated conditions are expected to differ from those under natural conditions because flow regulations such as reservoir operation, water abstractions, and flow deviations have been shown to both aggravate and alleviate drought and flood severity. This position aims to create a data set on hydrological extremes and human flow-influences in the European Alps by reaching out to regional/national authorities and by processing geospatial data sets in GIS and R.

Applicants should have a BSc degree (or equiv.) in Geography, GIS, geoinformatics, or a closely related field. Experience with GIS and programming (preferably in R or Python) are essential and we encourage applications from enthusiastic and dedicated individuals who have a flair for communicating with regional authorities and potential data providers (by phone and e-mail). Knowledge of English and German, Italian, or French is a prerequisite as the project focuses on Central Europe and the applicant will interact with regional authorities.

We offer an interdisciplinary and international working environment in the Faculty of Environment and Natural Resources. The Chair of Environmental Hydrological Systems has strong expertise in water resources and hydrological extremes. The salary is determined according to the salary scale of the state of Baden-Württemberg (the salary will be determined in accordance with TV-L up to E 11, 50%, 1 year). The University of Freiburg is an equal opportunity employer and is committed to increasing diversity.

Please send your application including a cover letter, CV, certificate & transcript of your highest degree earned, and the names and contact details of two to three references in one single pdf-file to Manuela Brunner [manuela.brunner@hydrology.uni-freiburg.de](mailto:manuela.brunner@hydrology.uni-freiburg.de) (Reference: DFStaR GIS position). Formal review of applications will start on June 28 and continue until the position is filled.

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