



## **Vacancy for a PhD student in Hydrology**

Starting date: as soon as possible (summer 2016)

We announce a position for one PhD student

### **Hydrologic connectivity in the boreal landscape**

at the University of Zurich, Department of Geography, Unit Hydrology & Climate (<http://www.geo.uzh.ch/h2k/>).

“Connectivity” is increasingly talked about hydrology and water resources management, but the meaning of the term is still developing. This project will explore this concept in the Swedish forest landscape where non-permanently flowing reaches represent a substantial portion of the total stream network. Connectivity of these stream reaches to the permanently flowing stream network can significantly influence the amount of streamflow and streamwater quality as the contribution of water stored in different parts of the catchment will vary with the expansion of the active stream network. However, these parts of the stream network are generally not monitored and hydrologists have, so far, largely ignored them. This project will study the longitudinal expansion of the stream network in boreal catchments, how and when connectivity between flowing sections of the stream network is established, as well as how this influences streamflow and water quality.

Applicants should have a Diploma or MSc degree in hydrology, earth sciences, environmental sciences or in a closely related field. Strong fieldwork, data management, data processing and numerical skills are a prerequisite. Previous experience in the establishment of a hydrological monitoring network and mapping are considered a plus. We encourage applications from enthusiastic dedicated individuals with good oral and written communication skills (English) who enjoy working in a team.

We offer an interdisciplinary, international work environment and a formal PhD program (<http://www.geo.uzh.ch/en/graduate-school/>). Salary is according to the salary scale of the Swiss National Science Foundation (SNF). The PhD position is based at the University of Zurich but the field research for this project will take place in the Krycklan catchment (<http://www.slu.se/Krycklan>).

Please send your application, including cover letter, CV, relevant diploma(s), an example of your own scientific writing (if available) and the names and contact details of at least two potential references in one pdf-file (smaller than 5MB) to [jan.seibert@geo.uzh.ch](mailto:jan.seibert@geo.uzh.ch) with Connectivity PhD in the subject line.

Review of applications will begin on March 21, 2016, and continue until the position is filled (please check on <http://www.geo.uzh.ch/en/units/h2k/about-us-contact/open-positions> whether the position is still open).

For questions please contact Prof. Jan Seibert ([jan.seibert@geo.uzh.ch](mailto:jan.seibert@geo.uzh.ch)) or Dr. Iija van Meerveld ([ilja.vanmeerveld@geo.uzh.ch](mailto:ilja.vanmeerveld@geo.uzh.ch))