



Outdoor learning in hydrology

Jan Seibert (1)

(1) Department of Geography, University of Zurich, Zurich, Switzerland (jan.seibert@geo.uzh.ch), (2) Uppsala University, Department of Earth Sciences, Uppsala, Sweden

For understanding important concepts in hydrology often the most efficient way of learning are field experiments with student involvement. In this contribution, I look back on my personal experiences as a student, an assistant and a teacher and ask myself, with a long-term perspective, what worked and what didn't. Some of the experiments, which I find most useful, are described in more detail such as the estimation of hydraulic conductivities based on groundwater salt dilution and an experiment to demonstrate the difference between flood-wave velocity and water particle velocity. Furthermore, some general thoughts on challenges to generate a good learning environment out in the field are given.