



UFZ-Seminar

Research Unit



Water Resources and Environment



21 October 2019, 10 a.m.

Room E 01, Theodor-Lieser-Straße 4, Halle/Saale

Michael Rinderer

Chair of Hydrology, University of Freiburg, Germany

will give a talk on:

Water and Nutrient Fluxes from the Hillslope to the Catchment, from the Root to the Canopy

Why do some mountain streams respond so quickly to rain storms, when they don't respond much during other rainfall events? Which parts of a catchment contribute to streamflow and how dynamic is the contributing area during events and seasons? From which soil depth do trees get their water and nutrients from and do trees take up water with some delay?

The talk will present recent work that aims at a better understanding of groundwater dynamics and runoff generation processes at the hillslope and catchment scale in mountain headwaters and will show first results from an ongoing research project that investigates forest ecosystems and their ability to gain water and nutrients.

