

Sommersemester 2011

Gebäude GEO I  
Hörsaal H6

## BayCEER Kolloquium

Vortragsreihe Ökologie und Umweltforschung

Donnerstag 26.05.2011, 16:15 Uhr, H6

Anschließend Postkolloquium mit Bier und Brezeln im Foyer H6

### Prof. Dr. Markus Weiler

Institute of Hydrology, Center for Water Research,  
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## Only one isotopic water world: relevant processes at the soil- vegetation-atmosphere interface

Stable isotopes of water have received more attention in recent years due to new instrumentation techniques. With these techniques we have developed new sampling methods to observe stable isotopes in soil water without complicated and time consuming sample preparation. This allows us to analyze stable isotopes pattern in soils to study the influence of vegetation, soil properties, runoff generation processes and evapotranspiration. These new methods will not only change the way how isotopes are used in experimental hydrology, but also allow us to quantitatively predict water fluxes and transport processes at the soil-vegetation-atmosphere interface.

Die Vortragsreihe ist eine interdisziplinäre Plattform zur Information und Diskussion für Studierende, Forschende und Lehrende

Gäste sind herzlich willkommen