



## UFZ-Seminar



Research Unit

## Water Resources and Environment



12 September 2022, 3 p.m.

Seminar Room 1, Brückstr. 3a, Magdeburg

### Achim Brauer

GFZ German Research Centre for Geosciences, Potsdam,  
Climate Dynamics and Landscape Evolution

will give a talk on:

### Lake sediment monitoring at Tiefer See as part of the TERENO NE German Observatory

This presentation provides an introduction into the lake sediment monitoring established at Tiefer See (Mecklenburg) about a decade ago. Tiefer See has been selected as key monitoring site because since 1920 annually laminated (varved) sediments are formed and preserved at the lake bottom. These sediments are considered as seasonal climate and environment archives. A robust interpretation of these archives requires an in-depth understanding of the processes that control the sedimentation dynamics. The concept of the monitoring approach will be presented and some selected results will be discussed.