



UFZ-Seminar „Water and Environment“

5. December, 3 pm

Seminar Room 1, Brückstr. 3a, Magdeburg or

<https://ufz-de.zoom.us/j/6831992537?pwd=VXZF3ZDZ3ckJ0dEUxNUQzSHR6QT09>

Maximilian Lau, TU Bergakademie Freiberg/ Inst. für Biogeochemie, will give a talk on

Oxy-gone: biogeochemistry of anoxic waters

In natural waters, the authority of oxygen is uncontested, not least because Hutchinson (1957) assessed that we “learn more about the nature of a lake from a series of oxygen determinations than from any other kind of chemical data”.

However, the biogeochemical conditions of lake waters can vary widely when oxygen is exhausted. In this talk, I present a variety of lakes with anoxic experience and illustrate possible feedbacks between oxygen, carbon and nutrients. I discuss how we can improve our current conceptualizations of environmental trajectories in the absence of oxygen.