



UFZ-Seminar „Water and Environment“



17. December 2018, 3 p.m.

Seminar Room 1, Brückstr. 3a, Magdeburg

Marc Stutter

James Hutton-Institute, Scotland

will give a talk on:

Managing organic carbon and phosphorus in rivers: processes and practicalities

Marc Stutter is a soil and water biogeochemist at the James Hutton Institute. The talk examines issues in managing P and organic C in the context of Scottish landscapes. Having examined how P and C are managed separately I then look at reasons as to why they may be managed jointly. This has goals to redress widespread imbalances in macronutrients in surface waters as a possible way to reduce sensitivity of aquatic ecosystems to nutrient-related impacts such as algal blooms by promoting heterotrophic in-stream nutrient cycling. Examples of recent experimental work are given to begin to address a lack of current evidence on C:P coupling compared to that of C:N.