



UFZ-Seminar „Water and Environment“



6. March 2018, 10 a.m.

Seminar Room 1, Brückstr. 3a, Magdeburg

Matthias Liess

Helmholtz-Centre for Environmental Research GmbH – UFZ,

Dept. Department of System-Ecotoxicology

will give a talk on:

Stressors, Processes & Ecological Effects

by Matthias Liess & Kaarina Foit

Toxicants and other, non-chemical environmental stressors contribute to the global biodiversity crisis. Examples include the reduction of terrestrial insects and aquatic biodiversity. The widespread existence of these impacts suggests that the current approaches in risk assessment fail to protect biodiversity when multiple stressors concurrently affect organisms. This lack of validated stressor-effect predictions is a fundamental problem for nature assessment and efficient conservation. In our presentation we identify relevant ecological processes to improve predictive models, highlight the limitation of current approaches and present the UFZ-wide project on stream monitoring (Kleingewässer Monitoring - KgM). A project, that contributes to improve our ecological knowledge and ability for landscape management.