



## UFZ-Seminar „Wasser und Umwelt“

27. Mai 2013, 15.00Uhr

Saal, Brückstr. 3a, Magdeburg



### **Helmut Hillebrand,**

Director, Institute for Chemistry and Biology of the Marine Environment (ICBM),  
Carl-von-Ossietzky University Oldenburg

spricht zum Thema:

### **The role of stoichiometry for biodiversity and ecosystem functioning**

Research on ecological stoichiometry and on the effects of biodiversity on ecosystem processes has developed more or less independently, whereas potentially strong interactions exist, not the least because changing biodiversity and changing biogeochemical cycles belong to the major anthropogenic changes in many ecosystems. Here, I will present experimental studies from both plankton and terrestrial ecosystems analyzing the effect of producer biodiversity on the use of multiple elements and under different nutrient supply ratios. Further, I will show how diversity-mediated changes in producer tissue chemistry affect aquatic and terrestrial consumer performance and efficiency.

**Falls Sie eine Videoübertragung nach Halle oder Leipzig gewünscht wird, bitte ich um eine E-Mail an [Nina.baumbach@ufz.de](mailto:Nina.baumbach@ufz.de) bis spätestens Freitag (24.5.), 12:00Uhr.**