



# UFZ-Kolloquium



28. November 2011, 15.00Uhr

Saal, Brückstr. 3a, Magdeburg

**Colin Stedmon**, Aarhus University

spricht zum Thema:

## **Shedding light on a black box: applying fluorescence spectroscopy to studying organic matter in aquatic environments**

Dissolved organic matter (DOM) is found in all natural aquatic environments. Despite its ubiquitous distribution and influence on both natural ecosystems and industrial processes, it remains poorly characterised. This is in part because DOM consists of a complex mixture of compounds and its composition, and herein characteristics, vary continuously with changes in supply/production and exposure to degradation processes. For many years fluorescence spectroscopy have been used as both a quantitative and qualitative measures of DOM. This talk will present how these approaches are being applied and developed to studying elements of the global carbon cycle. In addition a range of industrial applications will be discussed including the monitoring of drinking and bathing water quality.

**Falls Sie eine Videoübertragung nach Halle oder Leipzig gewünscht wird, bitte ich um eine E-Mail an [hella.nietsch@ufz.de](mailto:hella.nietsch@ufz.de) bis spätestens Freitag (25.11.), 12:00Uhr.**

**If you would like to join from Halle or Leipzig by a video conference, please send an email to [hella.nietsch@ufz.de](mailto:hella.nietsch@ufz.de) at the latest by Friday (25.11.) 12pm.**