

Wintersemester 2009/2010

Gebäude GEO I
Hörsaal H6

BayCEER Kolloquium

Vortragsreihe Ökologie und Umweltforschung

Donnerstag 14.01.2010, 16:15 Uhr, H6

Anschließend Postkolloquium mit Bier und Brezeln im Foyer H6

PD Dr. Alfred Becker

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Integrated eco-hydrological analysis in the Elbe river basin

Integrated eco-hydrological analysis is required to investigate the water quality situation in the Elbe river basin. In a modelling study the in-stream nitrogen load and concentration have been modelled in several mesoscale sub-basins of the Elbe with the eco-hydrological dynamic model SWIM using lumped and - to some extent - distributed retention parameters. However, the hypothesis about the usefulness of distributed retention parameters was not confirmed in the investigated sub-basins.

The results of scenario investigations show that optimal land use and management are essential for the reduction in nutrient load and improvement of water quality to meet the objectives of the European Water Framework Directive and in view of the regional development in future.

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