



UFZ-Seminar „Wasser und Umwelt“

6. Mai 2013, 15.00Uhr

Saal, Brückstr. 3a, Magdeburg



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spricht zum Thema:

Ecosystem functioning in Mediterranean streams

In the Mediterranean region, there is a marked seasonal alternation of dry and wet periods, and streams experience a wide range of hydrological conditions from floods to droughts. Moreover, Mediterranean catchments have a long history of human impact which is enhanced by the natural deficit of water resources. Although the impact of hydrologic and land use changes on structural characteristics of streams is well documented, there have been far fewer studies on the impact on ecosystem functioning including biogeochemical cycling, production, respiration and decomposition. Ecosystem processes, however, determine the role of streams in biogeochemical budgets and can be ideal measures of stream condition, because they integrate environmental characteristics and may accurately reflect a broad range of catchment disturbances. In this presentation, I will show results from several studies aiming to better understand the impact of hydrologic and land use changes on ecosystem metabolism and nitrogen retention in Mediterranean streams. The implications of these results for stream management will be discussed.

Falls Sie eine Videoübertragung nach Halle oder Leipzig gewünscht wird, bitte ich um eine E-Mail an kubus-info@ufz.de bis spätestens Freitag (3.5.), 12:00Uhr.