



PhD Topic „ *Effects of land use change, climate change and contaminants on benthic microbial activities and organic carbon cycling in streams*“

The PhD will be part of two currently running projects at the limnological research institute WasserCluster Lunz in Austria. Within laboratory flume experiments, effects of altered DOM inputs due to agricultural land use, changes in temperature and turbulence, and the effects of anthropogenic contaminants on the activity of biofilms and the microbial aquatic carbon cycle will be investigated. The analytical work will be carried out at WasserCluster Lunz (working place) in cooperation with the University of Natural Resources and Life Sciences in Vienna (BOKU). The candidate should be born after 1980, needs to be enrolled for a PhD at the Boku at project start, and should be entitled to working in Austria. The candidate should possess basic knowledge about water chemistry and limnology as well as a basic training in the chemistry lab.

Start: latest June 2017

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Further info about Project ORCA: www.organic-carbon.at