

David L Nieland

Subject: Postdoc in Hydrological extremes and carbon fluxes in Austria

The inter-university center for aquatic ecosystem research, WasserCluster Lunz (www.wcl.ac.at) will hire a Post-Doc researcher to study the role of hydrological extremes on carbon fluxes in an Alpine stream- lake continuum. The interdisciplinary project (lead: Tom J. Battin) is funded by the Austrian Academy of Sciences (OEAW), based at WasserCluster Lunz and involves a number of collaborators from Austria and Switzerland. The successful candidate will design a monitoring program and conduct the work to capture key carbon fluxes in the stream and the lake with the ultimate goal to construct a time-resolved carbon budget to be related to hydrological events. This will happen with Jakob Schelker (University of Vienna) and Tom J. Battin (Ecole Polytechnique Fédérale Lausanne, University of Vienna). Georg Wohlfahrt (University of Innsbruck) will quantify gas exchange at the lake, Martin Kainz (WasserCluster Lunz) will study past extremes using sediment records and Günter Blöschl (University of Technology, Vienna) will investigate past and contemporary hydrological extremes.

The successful candidate is expected to design the monitoring program to capture key carbon fluxes, to set-up and maintain relevant field equipment and to establish carbon budgets including the biogeochemical characterization of organic carbon as it moves from the stream through the lake.

We are looking for a highly motivated candidate that holds a PhD in a relevant subject (hydrology, environmental engineering or sciences, aquatic ecology, geosciences). The successful candidate shall have a strong track record in aquatic biogeochemistry, ideally with a focus on carbon cycling, a sound understanding of hydrology and good skills in data handling and management. Further, competences in modelling and statistics, as well as programming in at least one major programming language are an asset. The candidate should be able to conduct independent research, to work in an interdisciplinary team and must have excellent verbal and written language skills in English.

Application:

Please send your letter of motivation, a CV including your list of publications and at least three references all included in one single pdf to Dr. Jakob Schelker (jakob.schelker@univie.ac.at)

Deadline for application is December, 15, 2014, but the position may stay open if no suitable candidate is found. Starting date: March 2015 or upon agreement. Activity rate 100%; the duration of the contract will be three years.