

EINLADUNG ZUM VORTRAG

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INSTITUT FÜR GEOGRAPHIE UND REGIONALFORSCHUNG  
Universität Wien • Universitätsstr. 7/5 • 1010 Wien

HÖRSAAL 4C, Raum C409

**Dr. Elowyn YAGER**

Department of Civil and Environmental  
Engineering, Center for Ecohydraulics  
Research, University of Idaho



## **THE GEOMORPHOLOGIC PERILS OF NEGLECTING HISTORY: FROM LARGE FLOODS TO SMALL- SCALE TURBULENCE**

A wide range of processes from the long-term evolution of mountain ranges, to the complex interactions of vegetation, flow and sediment involve the use of geomorphologic models. In such models, the histories (e.g. sequences of flows) of a channel, hillslope or even an individual particle are often neglected either for the sake of simplicity or because little is known about preexisting conditions. Here, we use a combination of field measurements, laboratory experiments, and numerical modeling to demonstrate the importance of geomorphic history at a range of temporal and spatial scales.

Dr. Elowyn Yager is an Associate Professor in the Department of Civil and Environmental Engineering and the Center for Ecohydraulics Research at the University of Idaho. She obtained her B.S. and Ph.D. in Geology at SUNY Buffalo and the University of California at Berkeley, respectively. She has received a number of awards for her research and teaching including a US National Science Foundation Career Award and a Fulbright Fellowship.

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