

► SHORT INFORMATION ◀



Name: *Dr. Ronald E. Pöppel*

Positions in the International Association for Danube Research (IAD):

4/2025 – Expert Group Leader “Sediment dynamics & Hydromorphology”

Affiliation: Senior Researcher, Institute of Hydrobiology and Aquatic Ecosystem Management (IHG); BOKU, Vienna - University of Natural Resources and Life Sciences, Vienna, Austria, former, Senior Lecturer for Physical Geography and Geoecology (Department of Geography and Regional Research), University of Vienna

Main research field: Fluvial dynamics, sediment transport, connectivity, hydromorphology and river (basin) management

Interests: My research focuses on sediment dynamics and hydromorphology, with a particular interest in the role of humans as (dis)connecting agents in fluvial systems. I explore new concepts and applications in fluvial geomorphology and landscape research to better understand how human activities influence fluvial processes and connectivity.

Current research activities: Since 2020, I have led the Human Impact and Connectivity (HI-CONN) research group, investigating the effects of land use, management practices, and climate change on water, sediment, and nutrient/contaminant fluxes. Our work aims to assess and quantify human-induced changes in fluvial systems further providing insights for sustainable river basin management.

Relevant activities, proposed for EG IAD: Based on my background (s. above) my main foci will be related to: • Assessing human impact on fluvial processes and related geomorphic responses, • Advancing research in fluvial geomorphology • Monitoring and balancing water and sediment fluxes, • Developing integrated assessment methods, • Strengthening regional and scientific collaboration, fostering knowledge exchange among scientists, policymakers, and stakeholders.

Additional information: • more than 30 publications in scientific journals, • first author of one book, and further contributed to 10 book chapters • Board work and speakership in 9 organisations, as e.g. “Vienna Anthropocene Network | University of Vienna (committee member)” and “IAG/AIG Internat. Assoc. of Geomorphologists (working group leader “Connectivity in geomorphology”; Austrian national representative)”

Contact e-mail: ronald.poeppel@boku.ac.at