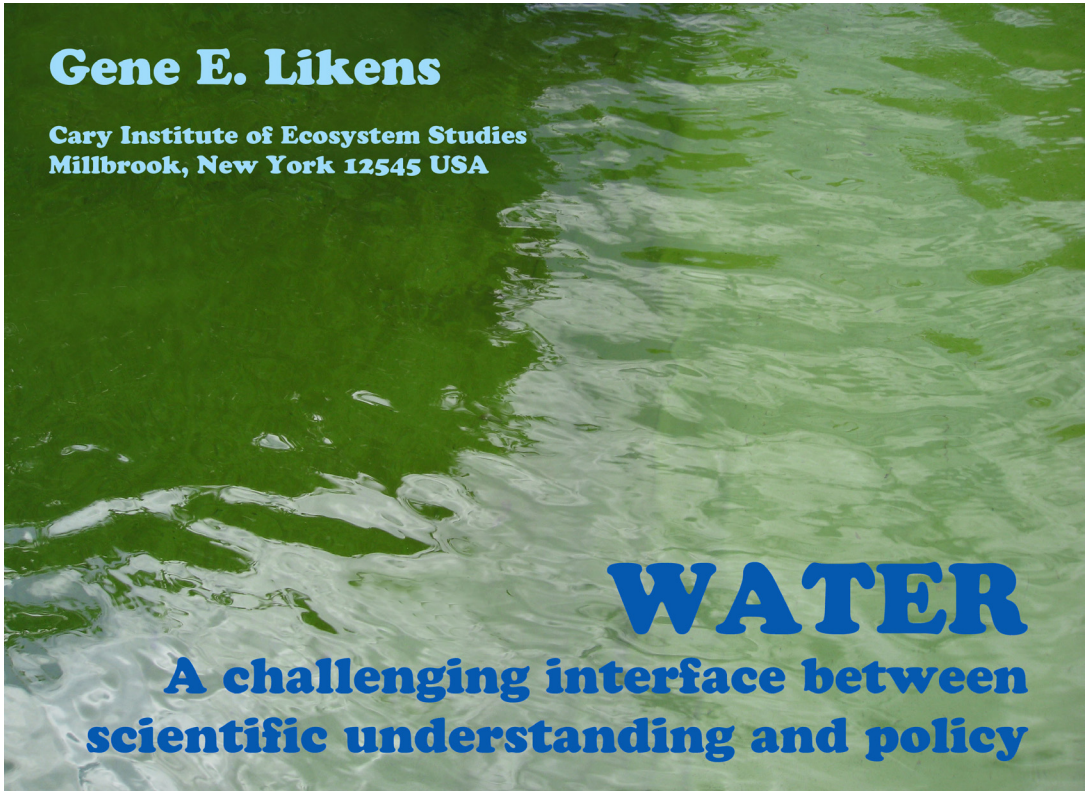
Einladung zu einer gemeinsamen Veranstaltung

der Kommission für Interdisziplinäre Ökologische Studien der Österreichischen Akademie der Wissenschaften

und der Universität für Bodenkultur, Wien



ÖAW Austrian Academy of Sciences

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Veranstaltungshinweise

Veranstaltungsort ist der Festsaal der Universität für
Bodenkultur, Gregor-Mendelstrasse 33, 1180 Wien

Der Vortrag wird in Englisch gehalten.
Die Teilnahme ist kostenfrei, eine Anmeldung ist nicht erforderlich.

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Water: A challenging interface between scientific understanding and policy

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Inland waters are impacted by all components of human-accelerated environmental change, and there is a clear and urgent need to resolve the conflicts of use and abuse of aquatic ecosystems within the context of our planet's finite aquatic resources. For example, eutrophication and acidification continue to degrade both standing and running waters, and landuse change and global climate change are adding even greater stresses on freshwater resources. Piecemeal approaches to management do not provide lasting solutions to environmental problems, even though knowledge about the "pieces" is vital to the overall solution. Serious water shortages and waterquality problems have occurred in many areas around the world. And, there are new water problems on the horizon, including impacts from mountaintop mining and contamination by antibiotics, steroids, hormones, other pharmaceuticals and nanoparticles, all exacerbated by rapidly increasing human demands on the resource. Solving the world's water needs represents one of human society's most urgent problems. Longterm research and monitoring are critical components in the development of integrated, adaptive management of catchments when addressing these challenges.

Professor Gene E. Likens is Founding Director and President Emeritus of the Institute of Ecosystem Studies in Millbrook, New York, and co-founder of the Hubbard Brook Ecosystem Study in New Hampshire, USA. His research focuses on the ecology and biogeochemistry of forest and aquatic ecosystems, primarily through long-term studies at the Hubbard Brook Experimental Forest. He is a member of the U.S. National Academy of Sciences and the American Philosophical Society, and a foreign member of the Royal Swedish Academy of Sciences, the Royal Danish Academy of Sciences, and the Austrian Academy of Sciences. Amongst others, he holds an honorary doctors degree of UNI BOKU, Vienna. He is the recipient of numerous awards, including the National Medal of Science, America's highest science honor, the Australia Prize, and co-recipient of the Tyler Prize and the Blue Planet Prize. Dr. Likens has published 23 books and more than 550 scientific articles.