

BayCEER Kolloquium

Lectures in Ecology and
Environmental Research

Summer 2023



UNIVERSITÄT
BAYREUTH

Dienstag/Tuesday

27.06.2023

12:15 in H6, GEO



Dr. Ben Gilfedder

Limnological Research Station, BayCEER

The white plague: sources, causes and solutions for salinisation

Salinization of soils, groundwater and surface water is one of the most important environmental issues that ecosystems and human societies in dry climates face: Salt has devastated large tracts of previously productive agricultural land, reduced water quality to levels that can be no longer used for drinking, livestock, or irrigation, and degraded terrestrial and aquatic ecosystems. The origin of salt in dry landscapes is a complex interplay between soil, hydrology, geology, geomorphology, atmospheric, and plants and thus requires an interdisciplinary approach to understand the problem, its effects and to develop sustainable solutions.

In this talk I will discuss the sources of salts in dry climates, with a focus on salinization of soils and groundwater, their consequences for agricultural productivity and ecosystem health, and finally present potential solutions to the salinization problem. The case of Australia will be used as an example of a country highly influenced by salt and salinization.

FINAL HABILITATION LECTURE - Guests are welcome!

Bayreuth Center of Ecology
and Environmental Research

Bayceer



Scan me!

The lectures are an interdisciplinary platform for students, junior and senior scientists.

Scan the QR code or visit our homepage for abstracts and further information:

www.bayceer.uni-bayreuth.de/kolloquium/