

Kolloquium des Institutes für Landschaftsökologie WS 17/18

Dienstags 18 Uhr c.t.
Hörsaal Heisenbergstr. 2

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Biodiversity and multiple resource limitation

A fundamental biological principle, and a physical reality, is that there are limits to growth. The growth of organisms and populations, at some point, must be constrained by the resources that they require for growth. A long standing paradigm, dating to the early 1800's, is that there exists a single or primary limiting factor for the growth of plant species. This paradigm has shaped community ecology and ecosystem ecology research for nearly two centuries. I present recent work using meta-analysis and results from a globally-distributed experimental network that challenge this paradigm. The emerging conceptual framework is one of co-limitation, such that communities of species are constrained by multiple resources simultaneously and this co-limitation contributes to biodiversity.

Die Vorträge sind öffentlich. Um rege Teilnahme, insbesondere auch durch Studierende, wird gebeten. Die Veranstaltungen sind im Studiengang MSc Lök, Modul M2/M1 anrechenbar.