

Gebäude NW I
Hörsaal H12

Sommersemester 2012

BayCEER Kolloquium

Vortragsreihe Ökologie und Umweltforschung

Donnerstag 26.04.2012, 17:00 Uhr, H12

Anschließend Postkolloquium mit Bier und Brezeln im H12

Dr. Nadja Rüger

Systematic Botany and Functional Biodiversity, University of Leipzig

Functional Traits Explain Growth Strategies of Tropical Tree Species

Relationships between functional traits and growth rates can provide insight into the functional constraints and trade-offs underlying life-history strategies of tropical tree species. However, tree growth in the tropics has rarely been measured at the species level, and species' differences in growth strategies remain poorly understood. Only recently, long-term permanent plots are providing information to analyze growth rates as well as their response to light availability and tree size across entire diverse tree communities comprising hundreds of tree species, many of them rare.

In this talk, I will first demonstrate how hierarchical Bayesian models can be used to quantify species' differences in growth strategies while accounting for several sources of uncertainty inherent in ecological data. Then, I will present a predictive model which allows estimation of growth characteristics from a few easily measurable functional traits of the species.

Die Vortragsreihe ist eine interdisziplinäre Plattform zur Information und Diskussion für Studierende, Forschende und Lehrende

Gäste sind herzlich willkommen