

Wintersemester / Winter Term 2015/2016

BayCEER Kolloquium

Vortragsreihe Ökologie und Umweltforschung
*Lecture series in Ecology and Environmental Research***Donnerstag 12.11.2015, 12:00 Uhr, H6**

Anschließend Postkolloquium mit Mittagsimbiss im Foyer H6

Dr. Dylan James Craven

German Centre for Integrative Biodiversity Research
(iDiv) Halle-Jena-Leipzig

Biodiversity effects on ecosystem stability following climate extremes

Global change drivers, such as droughts, floods, and N deposition, have widespread impact on ecosystem functions and services of terrestrial ecosystems. While biodiversity stabilizes ecosystem functioning over time, its importance in modulating in response to global change drivers is uncertain. Using a comprehensive dataset of grassland plant diversity experiments, we examined the degree to which multiple aspects of biodiversity (taxonomic, functional, and phylogenetic) enhance i) temporal stability and ii) resistance and resilience to climate extremes. Our results suggest that biodiversity increases resistance to a wide range of climate events, yet minimally influences resilience. Thus, global change drivers that drive biodiversity loss, therefore, may reduce ecosystem stability and limit recovery of ecosystem functioning following extreme climate events.

Do. / Thu. 12 st
Gebäude/Building
GEO
Hörsaal/Lecture hall
H6Die Vortragsreihe
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Plattform zur
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Diskussion für
Studierende,
Forschende und
LehrendeGäste
sind herzlich
willkommen*The lecture series
serves as an
inter-disciplinary
platform for
students, junior
and senior
scientists.**Guests
are cordially
invited!*