

Wintersemester / Winter Term 2015/2016

BayCEER Kolloquium

Vortragsreihe Ökologie und Umweltforschung
*Lecture series in Ecology and Environmental Research***Donnerstag 14.01.2016, 13:00 Uhr, H6**

Anschließend Postkolloquium mit Imbiss im Foyer H6

Prof. Dr. Johannes Kollmann

Restoration Ecology, TUM, Freising

Transformation of grasslands in South Brazil: Effects of changing land use on biodiversity and ecosystem functions

Land-use change is a major threat for biodiversity and ecosystem functions. We have studied this topic in the highlands of southern Brazil. Here grasslands have decreased strongly due to pine plantations and expansion of arable land. We currently study the effects of grassland management and land use change on biotic and abiotic components using 80 sites. Primary grasslands of low and of high management intensity differ from original grassland regarding vegetation composition. Secondary grasslands both on former arable fields and plantations develop deviating plant communities, and soil conditions of secondary grassland after arable use are distinct.

The decrease in species numbers of abandoned primary grasslands might be reversed by resuming management, while changes in secondary grasslands on former pine plantations require re-introduction of grassland plants. This is also true for intensively used primary grasslands and secondary ones on former arable fields. Overall, restoration of grasslands after land use change is feasible, while conversion of land use should be reduced.

Do. / Thu. 12 st

Gebäude/Building

GEO

Hörsaal/Lecture hall

H6

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

Gäste sind herzlich willkommen

The lecture series serves as an inter-disciplinary platform for students, junior and senior scientists.

Guests are cordially invited!