UNIVERSITÄT BAYREUTH

Bayceer
Bayreuther Zentrum für Ökologie und Umweltforschung

Wintersemester / ***Winter Term 2015/2016***

Do. /*Thu.* 12 st
Gebäude/*Building*
GEO
Hörsaal/*Lecture hall*
H6

BayCEER Kolloquium

Vortragsreihe Ökologie und Umweltforschung
Lecture series in Ecology and Environmental Research

Donnerstag 03.12.2015, 12:00 Uhr, H6

Anschließend Postkolloquium mit Mittagsimbiss im Foyer H6

Dr. Harald Pauli

Department of Conservation Biology, Vegetation and Landscape Ecology, University of Vienna

Past and recent changes in European alpine plant diversity: Increases, declines, stagnations and accelerations driven by climate change

Climate change, warming and associated drought effects in particular, affect the species composition in low-temperature determined high mountain vegetation. A complex topography and thus high habitat diversity over short distances as well the persistence abilities of many alpine plant species may counter biodiversity losses caused by climate-driven species migrations. Revisitation studies in the late 20th century, nevertheless, mostly report on increasing species numbers on mountain tops, resulting from upward moving leading edges of species' distribution margins. Repeated revisitations now show a marked acceleration of growing species richness on high mountain peaks. At the same time, the species composition shifts towards more thermophilous species numbers across Europe – a process which also tends to accelerate. Recent monitoring results of the central high Alps, however, show that rates of colonising species remained constant in the past decade, compared to the previous one, but the proportion of species not found again was rising. In parts of Europe's mountains, the projected period or era of warming-driven biodiversity losses, thus, may already have commenced.

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!

Kurzfassungen und weitere Infos / *Abstracts and further information*:
www.bayceer.uni-bayreuth.de/kolloquium/

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