

Wintersemester / Winter Term 2014/2015

## BayCEER Kolloquium

Vortragsreihe Ökologie und Umweltforschung  
*Lecture series in Ecology and Environmental Research***Donnerstag 13.11.2014, 12:00 Uhr, H6**

Anschließend Postkolloquium mit Mittagsimbiss im Foyer H6

### Dr. Christian Zeeden

Department of Geography - RWTH Aachen University

# Time matters: About constructing geological time scales

Time scales are the backbone of the very most studies dealing with past environments and climates. Ironically, the time scales and their (in)accuracy are often much less understood than proxy data for past environmental conditions. The 'state of the art' of the (Quaternary) geological time scale, including some shortcomings and improvement potential are outlined. Integrated stratigraphy using independent geochronometers is the best way to obtain reliable age models, statistical combination of methods is, however, not straightforward. Finally an example is given how more precise time scales can lead to a much better understanding of geoarchives. A personal perspective is given where time scale development may improve in the coming years.

Do. / Thu. 12 st  
Gebäude/Building  
GEO  
Hörsaal/Lecture hall  
H6Die Vortragsreihe  
ist eine  
interdisziplinäre  
Plattform zur  
Information und  
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!*