Senckenberg BiK-F Seminar Series WS 2015/2016

SENCKENBERG
world of biodiversity

Prof. Dr. Niklaus E. Zimmermann
(Swiss Federal Research Institute WSL, Landscape Dynamics, Birmensdorf)

Climate change and range shifts in European trees and Alpine plants – with a focus on the Alps

Plants and animals have started to respond to climate and global change, and these range shifts will likely be associated with considerable species turnover, which in turn will alter vegetation structure, biomes and functional compositions..

Niklaus Zimmermann is a senior scientist at the Swiss Federal Research Institute WSL (Birmensdorf) and an adjunct professor at ETH (Zürich). He is a macroecologist with emphasis on global change aspects on the one hand and on linking macroecology and macroevolution on the other…..

15.10.2015

Ao.Univ.-Prof. Mag. Dr. Helmut Haberl
(Institute of Social Ecology Vienna, Alpen-Adria Universität Klagenfurt)

A socio-metabolic perspective on land system science

Land is a socioecological system emerging through the interaction of human societies with terrestrial ecosystems. Social metabolism research – i.e., the study of material and energy flows associated with human activities – opens an avenue for inter- and transdisciplinary research into the sustainability of land-related processes of society-nature interaction...

Helmut Haberl studied biology, earth sciences, ecology and mathematics at the Universities of Salzburg and Vienna. His research is focused on concepts of society-nature interaction, energy and environment, integrated land-change science and long-term socio-ecological research. He currently serves as director of the Institute of Social Ecology…

12.11.2015

Prof. Dr. Tobias Kuemmerle
(Humboldt-University, Geography Dept., Biogeography & Conservation Biology)

The breakdown of the Soviet Union & its effects on land use & wildife

The breakdown of the Soviet Union triggered a the drastic episodes of land-use change, including widespread farmland abandonment. The spatial patterns and extent of these land trends remain unclear though, as well as how abandonment and reforestation affected the regions wildlife populations. In his talk, Tobias Kuemmerle will share new insights into these issues, synthesizing from studies using remote sensing to wildlife population modeling.

Tobias Kuemmerle is broadly interested in land use change and how its effects the environment, with the overarching goal to identify how land use and conservation could be better aligned. He leads the Biogeography and Conservation Group at the Geography Department at Humboldt-Universität zu Berlin.

10.12.2015 @ 13 :00

Prof. Dr. Alexandre Antonelli
(University of Gothenburg, Biological and Environmental Sciences)

The co-evolution of mountains and biodiversity

Mountains are key features of the Earth's surface and contain a substantial proportion of the world's biodiversity. In this talk I will present our current efforts to understand how mountain building may have contributed to generate and maintain diversity, focusing on the relationship between current diversity and abiotic variables, and how the relative roles of climate change, surface uplift and biotic processes on diversification may be analytically disentangled.

Alexandre Antoneli is Professor in Systematics and Biodiversity at the University of Gothenburg, Sweden. His research group focuses on the evolutionary history of tropical South America, by performing cross-taxonomic biogeographic and macroevolutionary analyses using molecular, fossil, and species distribution data. Empirical studies are complemented by the development of bioinformatic tools. More on his research and publications can be found at http://antonelli-lab.net.

11.02.2016

Thursdays @ 11 AM in Wallace (GVS)