

20. August 2008

**Climate Change and its Implication for  
Ecosystem Dynamics and Functioning**

August 25 - 27, 2008

*Organization: Dr. Maik Veste*

**Program**

Talk max. 20 minutes, discussion will be in the working groups

**MONDAY, 25. August 2008**

- 08:30 – 8:50 Welcome address by **Ipke Wachsmuth**, Managing Director / ZiF
- 08.50 – 9:20 **Friedrich-Wilhelm Gerstengarbe**: Climate change and its impact in Germany/Europe (keynote lecture)
- 09:20 – 9:40 **Thomas Giesecke**: Disentangling the drivers of past vegetation change
- 09:40 – 10:00 **Matthias Dobbertin**: Dry inner-alpine Scots pine forests - first signs of a climate change induced biome shift?
- 10:00 – 10:30 Coffee/tea break
- 10:30 – 10:50 **Takayoshi Nishio**: Vegetation changes in deciduous and evergreen vegetation in East Asia
- 10:50 – 11:10 **Silje Berger**: Evergreen broad-leaved species expand northward in Europe
- 11:10 – 11:30 **Andreas Bolte**: Climate change impacts of the north-eastern distribution range of European beech (*Fagus sylvatica*).
- 11:30 – 11:50 **Rainer Lösch**: Plant habitat colonization, niche shifts, and speciation processes in Central Europe during postglacial and contemporary climate warming
- 11:50 – 12.10 General Discussion
- 12:10 – 14:00 Lunch
- 14.00 – 14:20 **Ellen Dorrepaal** et al.: Climate warming and snow cover change effects on species interactions in a sub-arctic *Sphagnum fuscum* bog
- 14:20 – 14:40 **Jelte Rozema**: Global warning: Field and Open Top Chamber studies on growth-temperature relationships of high-arctic ecosystems

- 14:40 – 15:00 **Anja Rammig**: More frost damage in a warmer world? Incorporating frost hardiness in the dynamic vegetation model LPJ-GUESS
- 15:00 – 15:20 **Holger Lange**: The impact of changes in climate and atmospheric deposition on forest growth in Europe
- 15:20 – 16:00 Coffee/tea break
- 16:00 – 16:20 **Jutta Buschbom**: Evolutionary genetics of shifting distribution ranges
- 16:20 – 16:40 **Thomas Hinkler**: Modelled European changes in potential natural vegetation and implications for Natura 2000
- 16:40 – 17:00 **Maik Veste**: How to cope with environmental changes? - Adaptation and resilience on the ecophysiological scale
- 17:00 – 18:30 Open space discussion
- 19:00 Reception by the ZiF

## TUESDAY, 26. AUGUST 2008

- 08:30 – 09:00 **Siegmar– W. Breckle**: Vegetation changes in Europe under Climate Change - Natural processes or an ecological catastrophe?
- 09:00 – 09:20 **Martin Köchy** et al: Bottom-up modelling of climate change impacts on ecological systems
- 09:20 – 09:40 **Volkmar Wolters**: Biodiversity in the cultural landscape – Impact of climate change
- 09:40 – 10:00 **Magnus Ljöf**: Restoring Broadleaved forests in southern Sweden under climate change
- 10:00 – 10:30 Coffee/tea break
- 10:30 – 10:50 **Koen Kramer**: Assessing climate change impacts on ecosystem functioning: a trait-based modelling approach to relate functional diversity to ecosystem functioning
- 10:50 – 11:10 **Pierre Ibisch**: Climate change, ecosystems and functional biodiversity conservation
- 11:10 – 11:30 **Christian Reick**: From climate to vegetation and back
- 11:30 – 11:50 **Maik Veste**: Introduction to the Working Groups
- 11:50 – 12:10 General Discussion
- 12:10 – 14:00 Lunch
- 14:00 – 17:45 Working Groups WG 1-3 (with coffee/tea break 16:00-16:30)

17.45 – 18:30 Plenum – Presentation of the first results  
(5 min Statements of each Working group )

20:00 Dinner at the city center of Bielefeld

**WEDNESDAY, 27. AUGUST 2008**

08.30 – 10:00 Working Groups 1-3

10:00 – 10:30 Coffee/tea break

10:30 – 12:00 Working Group 4 (integration of WG 1-4)

12:00 – 14:00 Lunch

14:00 – 16:30 Development of a research concept, discussion of future joint activities  
(research projects, cooperation, network, publication of the workshop)

with coffee/tea break 15:00