



**中国环境科学研究院**  
Chinese Research Academy Of Environmental Sciences

## **Fourth Sino-German Workshop on Biodiversity Conservation**

# **Nature-oriented and Multifunctional Forest Management**

### **Concepts, Approaches and Instruments for Conserving Biodiversity and Ecosystem Services**

June 29<sup>th</sup> – July 2<sup>nd</sup> 2011,

International Academy for Nature Conservation on the Isle of Vilm, Germany

#### **Introduction**

Forests are one of the most important ecosystems for biodiversity and climate protection and provide livelihoods for many people around the world. The general discussion about forest use or protection, in the context of climate change adaptation and mitigation, biodiversity loss and conservation, ecosystem services and the debate around bio-energy, reflects the diverging interests of its stakeholders. Natural or near natural forests with multiple functions play an important role not only in the conservation of ecosystems and species, but also in the protection of the abiotic environment (water, soils, air) and are therefore key elements in national and international conservation efforts.

China and Germany share an interest in sustainable forestry, which balances ecological, economic and social needs. This offers potential for the exchange of experience and knowledge as well as for cooperation, in order to improve nature-oriented and multifunctional forest management concepts and practices.

## Programme

### Wednesday, 29 June 2011

- 14:00 – 14:30 Prof. Beate Jessel (Federal Agency for Nature Conservation, BfN):  
*Welcome & Opening Speech*
- 14:30 – 15:00 Prof. Jianmin Shu (Chinese Research Academy of Environmental  
Sciences, CRAES): *Welcome & Opening Speech*
- 15:00 – 15:15 *Round of introduction*
- 15:15 – 15:30 Coffee break**
- Module I: Overview of the Ecological Status Quo of Forests and Forest  
Ecosystem Services in China and Germany**
- 15:30 – 16:00 Prof. Qijing Liu (College of Forest Sciences, Beijing Forestry Univer-  
sity): *Vegetation pattern and process in Changbai mountain, North  
East China*
- 16:00 – 16:30 Dr. Peter Elsasser (von Thünen Institut, vTI): *Forestry, Forest  
Policy, and the Value of Forest Ecosystem Services in Germany*
- 16:30 – 17:15 Dr. Stefan Mann (ECO Consult): *Preliminary results of a compara-  
tive study "Forest protection and forest use in China and Germany"*
- 17:15 – 18:00 *Discussion*
- 18:30 Dinner**
- 19:30 *Walk around the Isle of Vilm (ca. 3 km) with Prof. Hans Dieter  
Knapp*

### Thursday, 30 June 2011

- As of 7:30 Breakfast**
- Module II: Scientific Concepts and Approaches for Maintaining Biodiver-  
sity and Ecosystem Services in Forests**
- 9:00 – 9:30 Andreas Krug (BfN): *Integrative forest management in Germany -  
combining biodiversity conservation, ecosystem services and timber  
production*
- 9:30 – 10:00 Dr. Peter Pechacek (CIM at CRAES): *Ecosystem approach and its  
application to forest*
- 10:00 – 10:30 Dr. Goddert von Oheimb (Institute of Ecology, University of Lüne-  
burg): *The role of tree and shrub diversity for ecosystem functioning  
in Chinese subtropical forest ecosystems*
- 10:30 – 11:00 Coffee break**
- 11:00 – 11:30 Prof. Shidong Zhao (Chinese Academy of Science, CAS): *Forests  
and forestry of China - Current status, challenges and perspectives*

- 11:30 – 12:00 *Prof. Hans Dieter Knapp (BfN): Biogeographical position of forests in Central Europe*
- 12:00 – 12:30 *Summary and discussion of the morning session*
- 12:30 Lunch**
- Module III: *Applied Management Concepts for Strengthening Biodiversity and Ecosystem Services in Forestry***
- 14:00 – 14:30 *Prof. Jingwen Li (Forestry College, Beijing Forestry University): Degradation and restoration of “Populus euphratica” forest at Ejina Oasis, China*
- 14:30 – 15:00 *Bernhard von der Heyde (Gesellschaft für internationale Zusammenarbeit, GIZ): Sustainable Forest Management in China – Meeting International Commitments*
- 15:00 – 15:30 Coffee break**
- 15:30 – 16:00 *Dr. Hu Lile (CRAES): Response to Climate Changes of Alpine treeline Larix chinensis in Qinling Mts., China*
- 16:00 – 16:30 *Dr. Xiushan Li (CRAES): Forest management and its impact on present and potential future Chinese insect and plant biodiversity - A case study from Gansu Province*
- 16:30 – 18:15 *Working Groups to discuss module II and III*
- Working Group I: Identification of research gaps for nature-oriented and multifunctional forestry*
- Working Group II: Recommendations for implementation of biodiversity and ecosystem aspects in policy and practice*
- 18:30 Dinner**
- 20:00 *Slide show and field report from a visit to China, Andreas Krug and Christian Großheim, BfN*

<b>Friday, 1 July 2011</b>
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**As of 7:30 Breakfast**

**Module IV: *Voluntary Instruments for Strengthening Ecosystem Services in Forest Management***

9:00 – 9:20 *Christian Großheim (BfN): REDDplus: Carbon storage as the overarching ecosystem service of forests in developing countries?*

9:20 – 9:45 *Dr. Zhanli “Jerry” Sun (Institut für Agrarentwicklung in Mittel- und Osteuropa. IAMO): Exploring the land use responses to Payment for Ecosystem Services in Yunnan, China*

9:45 – 10:00 *Dr. Zhanli “Jerry” Sun (IAMO): Overview of an REDDplus project*

**10:00 – 10:30 Coffee break**

- 10:30 – 11:00 *Prof. Ying Zhang (School of Economics and Management, Beijing Forestry University): Study on the calculation of forest water conservation compensation price by optimal control method in China*
- 11:00 – 11:15 *Dr. Lei Jingpin (Sustainable Forestry Development and Research Center (SFDR) of the Chinese Academy of Forestry (CAF)): "Introduction and progress of Sino-German Project on SFM Training and support measures for South China"*
- 11:15 – 12:30 *Discussion*
- 12:30 Lunch**
- 14:00 – 16:00 *Working Groups*
- Strengthening aspects of biodiversity and ecosystem services in forest management and forest policy:*
- Working Group I: Identification of research gaps*
- Working Group II: Developing recommendation for policy makers*
- Working Group III: Developing recommendations and needs for a better implementation*
- 16:00 – 16:30 Coffee break**
- 16:30 – 18:00 *Presentation and discussion of the Working Group results and developing follow up activities*
- 18:00 – 18:30 *Final discussion*
- 18:30 Dinner**

<b>Saturday, 2 July 2011</b>
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- As of 7:30 Breakfast**
- 9:00 *Departure from Lauterbach Mole by bus to Biosphere Reserve Schorfheide-Chorin*
- 12:00 Lunch**
- 13:30 *Excursion Biosphere Reserve Schorfheide-Chorin, (Formstamt Hessehagen)*
- Mr. Donath (Woodman of Landesbetrieb Forst Brandenburg) demonstration of two field sites*
- Ca. 18:00 *Driving to Berlin*
- 20:00 Dinner in Berlin**