

GINKGO WORKSHOP PROGRAMME

Tuesday, 27.01.2009

13.00 – 13.20 Wolfgang Lucht: Welcome

13.20 – 14.00 Christian Reick: Introduction of the cross-community initiative TERRABITES

14.00 – 15.30 Modelling plant functioning (CHAIR: Tim Beringer)

14.00 – 14.30 Jens Kattge: TRY - a global database of plant traits for earth system modelling

14.30 – 15.00 Koen Kramer: Modelling ecosystem functioning and dynamics base on plants life history traits

15.00 – 15.30 Björn Reu: The Jena Diversity Model: An approach to incorporate diversity into global vegetation dynamics

15.30 – 16.00 coffee break

16.00 – 18.30 Modelling carbon and nutrient cycling (CHAIR: Ursula Heyder)

16.00 – 17.00 Christian Beer, Maarten Braakhekke, and Thomas Wutzler: Soil carbon modelling

17.00 – 17.30 Jörg Steinkamp: Influence of global modelled NO emission from soils on lower tropospheric NO_x, O₃, OH and the oxidizing efficiency

17.30 – 18.00 Thomas Hickler: CO₂ fertilisation: how much and where?

18.00 – 18.30 Sönke Zaehle: carbon-nitrogen interaction

19.30 Dinner: Villa Haacke in Potsdam

Wednesday, 28.01.2009

8.30 – 10.30 Modelling plant ecology (CHAIR: Christoph Müller)

8.30 – 9.00 Mara Baudena: Soil-vegetation-atmosphere interaction and summer droughts

9.00 – 9.30 Christian Wirth: The role of old-growth forests on the carbon cycle and here especially the role of succession

9.30 – 10.00 Andreas Huth: Tropical rain forest and their dynamics

10.00 – 10.30 Jost von Hardenberg: Periodic and scale-free vegetation patterns in drylands

10.30 – 11.00 coffee break

11.00 – 12.50 Modelling human land use (CHAIR: Dieter Gerten)

11.00 – 11.20 Julia Pongratz: Land cover change and carbon cycle in the last millennium

11.20 – 11.50 Carsten Lemmen: Towards quantification of regional prehistoric anthropogenic CO₂ and CH₄ release

11.50 – 12.20 Junguo Liu: Application of the GEPIC model for the simulation of crop yield and crop water uses

12.20 – 12.50 Hermann Lotze-Campen: The trade-offs between agricultural expansion, intensification and trade: a global bio-economic modelling approach

12.50 – 13.00 break

13.00 – 13.30 **open discussion** - Relation GINKGO - TERRABITES