

CARBO-Extreme kick-off meeting

02. and 03. June 2009

"Hotel Schwarzer Bär"

Jena, Germany

Final agenda

01. June 2009 early arrival

from 18:30 hrs on Light dinner at "Hotel Schwarzer Bär" (room "Bankettsaal")

02. June 2009

9:00 – 10:30 hrs Plenary: Room *Spiegelsaal*

- Welcome address by Managing Director MPI-BGC (*M. Heimann*)
- Welcome and logistics by coordinators (*M. Reichstein / D. Frank*)
- Overview CARBO-Extreme project (*M. Reichstein*) (20 min)
- One-minute presentation of each CARBO-Extreme partner (25 min total)
- *Rik Leemans (advisory board)*: Towards an integrated climate impact and vulnerability assessment (15 min + 5 min discussion)
- Discussion

10:30 – 11:00 hrs *coffee break*

11:00 – 12:30 hrs Plenary: *Yiqi Luo*: On the merit of manipulation experiments for identifying climate impacts on ecosystems in a MDF context (15 min + 5 min)

Split into parallel sessions I

- A. Network of EMEs & Data-infrastructure (*Buchmann/Papale*)
(Room *Spiegelsaal*)
- B. Climate and modelling scenarios (*Smith/Seneviratne*)
(Room *Lutherstube*)
- C. Vulnerability analysis and stakeholder dialogue
(*Cramer/Soussana*)
(Room *Seminarraum*)

12:30 – 13:30 hrs *Lunch (at the "Hotel Schwarzer Bär")*

13:30 – 14:00 hrs Parallel sessions (continued)

14:00 – 15:00 hrs Plenary: report and discussion of parallel sessions

15:00 – 15:30 hrs *coffee break*

CARBO-Extreme kick-off meeting

Final agenda (continued)

02. June 2009 (cont.)

15:30 – 17:30 hrs Plenary: *Andrew Richardson*: On the use of long-term observations for quantifying climate-biosphere interactions (15 min +5 min)

Split into parallel sessions II:

D. Case studies of model-data fusion at EMEs and with process studies (*Miglietta/Jannsens/Beer*)
(Room *Spiegelsaal*)

E. Case studies of long-term data analysis and modelling
(*Ciais/Reichstein*)
(Room *Lutherstube*)

F. MDF concepts and uncertainty protocols (*van Oijen/Peylin*)
(Room *Seminarraum*)

17:30-18:30 hrs Plenary report and discussion

19:00 hrs Walk to the restaurant Landgrafen
Meeting point: entry of the "Hotel Schwarzer Bär"

20:00 hrs Conference dinner at restaurant "Landgrafen"

03. June 2009

8:00 – 10:00 hrs Plenary report and discussion (cont.)

Further parallel clarification sessions (resulting from plenary feedback)

10:00 – 10:30 hrs *coffee break*

10:30 – 12:00 hrs Further parallel clarification sessions (resulting from plenary feedback)

Discussion of outreach necessities, link to other projects/programmes

12:00 – 13:00 hrs *Lunch (at the "Hotel Schwarzer Bär")*

13:00 – 14:30 hrs Plenary

- administrative and organizational issues
- fair data and model use
- project reporting
- project web-page
- election gender officer
- appointment of date and place 2nd project meeting
- appointment of date and place next workshops

14:30 – 15:00 hrs *coffee break*

15:00 – 16:00 hrs Plenary: final decisions and closing of the meeting

Goals of parallel sessions:

- A. Network of EMEs & Data-infrastructure (*Buchmann/Papale*)
 - Get overview of sites, manipulation treatments and available data
 - Planning of dedicated process studies and ancillary measurements
 - Discuss standardization of data entries (templates), link to other databases
- B. Climate and modelling scenarios (*Smith/Seneviratne*)
 - Selection of climate scenarios used
 - Set up modelling protocol and responsibilities
- C. Vulnerability analysis and stakeholder dialogue (*Cramer/Soussana*)
 - Conceptual outline for vulnerability analysis
 - Definition of stakeholders and topics
- D. Case studies of model-data fusion at EMEs and with process studies (*Miglietta/Janssens/Beer*)
 - Definition of cluster of sites where sensitivities to climate variability can be studied jointly (e.g. warming, drought etc.) to constrain models
 - Establishment of site based model-data fusion task forces
 - Discussion of strategies how to link process studies with modelling
- E. Case studies of long-term data analysis and modelling (*Ciais/Reichstein*)
 - Overview of available data sets
 - Establishment of data analytical framework (which data streams can be linked and how?)
 - Development of observational operators for step-wise multiple constraints
- F. MDF concepts and uncertainty protocols (*van Oijen/Rayner*)
 - Definition of data and model requirements for MDF
 - Consistent treatment of uncertainties (model parameters and data)