**LOOPS 2014: Closing the Loop – Towards Co-Evolutionary Modelling of Global Society-Environment Interactions**  
Chorin, Feb 17-18, 2014

**Programme**

**Sunday February 16, 2014**
18:30  Dinner (for those who have arrived already)  
20:00  Get-together to discuss science, literature, history and Earth

**Monday February 17, 2014**

**Introductions**
09:00 – 09:10  Welcome and introduction to the workshop

**Scene-Setting I: Where we stand and next steps in Earth system modelling**
09:10 – 09:20  Earth system perspectives on the Anthropocene (Timothy Lenton)  
09:20 – 09:30  Next steps in integrated assessment modelling (Detlef van Vuuren)  
09:30 – 09:40  Blueprinting a Whole Earth Model (Wolfgang Lucht)

**Flash round**
09:40 – 10:10  Intro Flash Round: Who am I & what I’d like to achieve in modelling

**Perspectives** We think it is important to collect the many perspectives and ideas from participants and therefore would like to receive a lot of input before we deliberate on joint modelling, new ideas and joint papers. Each section has two 10-min presentations and a few 5-min presentations. These should have not more than 7 or 3 slides, respectively! Please make sure you keep to your time in this tight schedule!

**Perspectives from social systems modelling**
- 10:10-10:20  Rainer Hegselmann
- 10:20-10:30  Peter Turchin
- 10:30-10:35  Hywel Williams
- 10:35-10:40  Michael Mäs
- 10:40-10:45  Helga Weisz
- 10:45-10:50  Sarah Cornell
- 10:50-10:55  Jobst Heitzig
- 10:55-11:00  Carsten Lemmen
- 11:00-11:05  Peter-Paul Pichler
- 11:05-11:25  Discussion

**11:25 – 11:50  Coffee break**

**Scene-Setting II: Where we stand and next steps in Earth system modelling**
11:50 – 12:00  The consequences of climate change impacts (Anders Levermann)
12:00 – 12:15  Building the moon lander: what is needed next in Earth modelling (Johan Rockström)

**Perspectives from innovative methods**

12:25-12:35  Jürgen Kurths  12:40-12:45  Jonathan Donges
12:45-13:00  Discussion

13:00 – 14:00  Lunch

**Perspectives from environmental modelling**

14:00-14:10  Steven Lade  14:30-14:35  Dieter Gerten
14:10-14:20  Axel Kleidon  14:35-14:40  Neil Edwards
14:20-14:25  Peter Cox  14:40-14:45  Miguel Mahecha
14:25-14:30  Sivapalan Murugesu  14:45-15:10  Discussion

**Working groups: establishing connections, planning joint modelling and papers**

*The core of this workshop are intense discussions among ourselves in groups of 4-6 people to exchange ideas and insights and plan joint future modelling. We suggest that the best way to get work going is to plan joint papers for the prospective Special Issue in ESD.*

15:10-15:30  Discussion of breakout groups, special issue and joint modelling
15:30 – 16:00  Coffee break
16:00-17:00  Breakout groups Round 1 – Designing joint papers and modelling
17:00 – 17:15  Brief break
17:15-18:15  Breakout groups Round 2 – Designing joint papers and modelling
19:00-19:15  Pre-Dinner Speech by Hans Joachim Schellnhuber
19:15  Dinner
20:15  Evening conversations

**OVERNIGHT (everybody): Revision of ALL paper abstracts – hand in by the morning**

*The objective is to have, by morning, a collection of abstracts for contributions to the Special Issue in ESD. These can be revisions, expansions, refocussed versions of abstracts handed in before or new commitments that emerged now. Joint papers are great but individual contributions also welcome.*

**Tuesday February 18, 2014**

09:00-09:30  Reports of the plans made in the breakout groups
09:30-11:00  Breakout groups Round 3 – Continued discussion of paper outlines, modelling steps
11:00 – 11:30  Coffee break
11:30-12:00  Wrap-Up: Special issue planning, joint modelling, next steps, other issues
12:00 – 13:00  Guided tour of historic Chorin Cloister ruins
13:00-14:00  Lunch
14:00  Departures