



## Winter School on Climate Change Thresholds

### Monday, 22 Feb 2015

Get together and Introduction	
<b>1400–1415</b>	Welcome by organizers
<b>1415–1515</b>	Scientific introduction to uncertainties, thresholds and risks as discussed in physical climate science <i>Univ.-Prof. Dr. Gottfried Kirchengast (co-speaker of DK Climate Change)</i>
<b>1515–1615</b>	Introduction to the Winter School and schedule (contents, work schedule) by the organizers, <i>Prof. Dr. Steffen Birk, Ao. Univ.-Prof. Dr. Alfred Posch, Univ. Prof. Dr. Oliver Sass</i>
<b>1615–1630</b>	<i>Break</i>
<b>1630–1745</b>	Short presentation of participants: 3 minutes per participant
<b>1745–1800</b>	Organizational issues (social event, lunch, breaks, internet access, ...)
<b>1900</b>	<i>Get together: Kegeln (bowling) at Kegelbahn Scheff – Jagersbacher, Elisabethnergasse 20, 8020 Graz</i>

### Tuesday, 23 Feb 2015

Students are asked to discuss the methods presented from Tuesday to Thursday as to their applicability in their research fields. Therefore, groups for research fields (similar to the DK fields) are formed. Students will present their results on Friday (15' presentation, 5' discussion & feedback). They are asked to prepare a flip chart or power point presentation during the week. Therefore, 1 hour in the afternoon (Tuesday to Thursday) is provided for the student's discussion and presentation preparation.

Climate thresholds <i>PD Dr. Andreas Philipp, University of Augsburg, Germany</i>	
<b>0900–1200</b>	Theory and exercises
<b>1200–1400</b>	<i>Lunch break</i>
<b>1400–1700</b>	Theory and exercises
<b>1700–1800</b>	Relevance of climate thresholds in different fields (disciplinary working groups supported by A. Philipp and DK faculty members)

## Wednesday, 24 Feb 2015

### Self-organized criticality (SOC)

*Prof. Dr. Stefan Hergarten, University of Freiburg, Germany*

**0900–1200** Theory and exercises

*1200–1400 Lunch break*

**1400–1700** Theory and exercises

**1700–1800** Relevance of self-organized criticality in different fields (disciplinary working groups supported by Stefan Hergarten and DK faculty members)

## Thursday, 25 Feb 2015

### Early Warning Signals (EWS)

*Univ.-Prof. Dr. Manfred Füllsack, University of Graz, Austria*

**0900–1200** Theory and exercises

**1200–1400** Lunch break

**1400–1700** Theory and exercises

**1700–1800** Relevance of early warning signals in different fields (disciplinary working groups supported by Manfred Füllsack and DK faculty members)

## Friday, 26 Feb 2015

### Synopsis and Closing

**0900–0910** Welcome to last day

**0910–1030** Group presentations from group 1 to group 4: applicability of presented methods in their research fields, 15' per group + 5' discussion and feedback from DK faculty members and other students

*1030–1045 Break*

**1045–1105** Group presentations from group 5

**1105–1115** Closing session of winter school

**1130–1300** Keynote (open guest lecture): Risks and Chances of Climate Change for the Insurance Industry

*Prof. Dr. Peter Hoeppe, Head of Geo Risks Research/Corporate Climate Centre, Munich Re, Germany*

*1300 Thanks, sandwiches and good bye*