

Second SPP 1689 Retreat of the 2nd Phase July 5-7, 2017 - Schloss Buchenau

Wednesday, July 5

- 12.30 Lunch
- 13.30 **Welcome by Andreas Oschlies**
- 13.35 **Update on past SPP 1689 activities and open issues, developments to be discussed**
(opinion paper, thematic workshops, position paper, graphics, further outreach activities)
- 14.00 **Project Presentations (20+10)**
- CEMICS2 Contextualizing Climate Engineering and Mitigation: Illusion, Complement, or Substitute?
 - ComparCE-2 Comparative Assessment of Potential Impacts, side effects and uncertainties of CE measures and emission-reduction efforts
- 15.00 Coffee Break
- 15.30 **Project Presentations (20+10)**
- CELARIT Climate Engineering Liability and Reliability: An Integrated Treatment
 - AWiCiT Climate Engineering by Arctic Winter Cirrus Thinning: Risks and Feasibility
 - CE-LAND+ Climate engineering on land: comprehensive evaluation of Earth system impacts of terrestrial carbon dioxide removal
- 17.00 **Insights in the CE related questions of our early career scientists and NGOs**
Christine Merk und Andreas Oschlies
- 17.30 **Science and society – communicating climate engineering risks, challenges and opportunities to the public in an experimental exhibition format**
Uwe Moldrzyk and Linda Galle, Museum für Naturkunde
- 18.00 Dinner
- 19.30 Poster Session

Thursday, July 6

- 9.00 **Project Presentations (20+10)**
- CE-O3 Stratospheric Ozone Loss in Mid-latitudes in Summer Potential Risk of Climate Engineering?
 - LEAC – II LEarning About Cloud modification under risk and uncertainty: Investigation of feasibility, traceability, incentives and decentralised governance of limited-area climate engineering
 - TOMACE Trade-offs between Mitigation and Climate Engineering: an Interdisciplinary Approach
- 10.30 **Coffee Break**
- 11.00 **Project Presentations (20+10)**
- CDR-MIA Carbon Dioxide Removal Model Intercomparison Assessment
 - Sci-Pol2 Responsible Research and Governance at the Science-Policy Nexus of Climate Change: New Discourses, Epistemic Communities and Climate Policy Regimes through Climate Engineering?
- 12.30 **Lunch**
- 13.30 **What was gained and what has to be done in the 2nd phase of the SPP 1689? Open issues to be addressed**
- What are the remaining overarching research questions? Nationally? Internationally?**
- What comes after SPP 1689? Perspectives, benefits and constraints of the consortium**
- 14.30 **Breakout Groups: Analysis of (SPP 1689) CE research in disciplinary context**
- Group 1: Philosophers
 - Group 2: Earth System Modellers
 - Group 3: Economists
 - Group 4: Political & other Social Scientists
 - Group 5: Atmosphere Scientists
- 15.30 **Coffee Break**
- 16.00 **Presentation of results**
- 16.45 **“Finding the umbrella”**
moderated by Alexander Proelß and Andreas Oschlies
- 19.00 **Dinner**
- 20.00 **Meeting of the Gender Board**

Friday, July 7

- 09.00 **Wrap-up**
- 09.30 **Presentation of Thematic Workshop Concepts**
- 09.45 **Breakout Groups:**
Upcoming Thematic Workshops
- Terrestrial CDR *by Dieter Gerten*
 - Cloud modification and CE regulation *by Martin und Johannes Quaas*
 - Follow-up on Detection and Attribution *by Sebastian Sonntag*
- In parallel: Young scientists meeting on future SPP 1689 activities**
- Optional: Preparation of possible future projects**
- 11.00 **Results of breakout groups in plenary, SPP 1689 timeline,
Research requirements & perspectives for follow-on research,
Decisions on open issues, closing remarks**
- 12.00 **Lunch & Farewell**