

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 – a potential risk of climate engineering?
- LEAC – II // **LE**arning **A**bout **C**loud 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 // **C**arbon **D**ioxide **R**emoval **M**odel **I**ntercomparison **A**ssessment
- 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

SPP 1689 RETREAT AGENDA



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*
- Responsible research and anticipatory governance *by Daniel Barben*

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**