

## **WORKSHOP: CLIMATE ENGINEERING REGULATION AND LIABILITY** **16 – 18 OCTOBER 2017**

### **Venue**

University of Kiel, Internationales Begegnungszentrum

[https://www.international.uni-kiel.de/en/guest-houses/ibz?set\\_language=en](https://www.international.uni-kiel.de/en/guest-houses/ibz?set_language=en)

### **Research questions**

- Research methodology: anticipate potential future of climate engineering (CE) to assess present avenues
- If CE is done, how could it be regulated, how could some party doing CE be held liable?
- Which type of regulation can set (economic) incentives to conduct carbon dioxide removal, while avoiding negative ecosystem effects?
- Is it possible to establish a scientific basis for holding someone liable for adverse effects of solar radiation management (SRM) on others? (this includes detection and attribution)
- How can the diverging interests of different parties be aligned by means of a regulatory system for SRM, including regional climate engineering?

## **PROGRAMME**

### **Monday, 16 October 2017**

- 14.00 h Welcome and agenda (Martin Quaas)
- 14.15 h Keynote talks liability
  - Assigning responsibility of extreme weather impacts to countries (Friederike Otto)
  - States, incentives, and law in solar climate engineering (Jesse Reynolds)
- 15.45 h Coffee
- 16.15 h Keynote talks liability (continued)
  - Compensating harms from solar geoengineering (Josh Horton)
- 17.00 h Contributed talks
  - Establishing Causality in a Solar Geoengineering Liability Trial (Tobias Pfommer)
- 17.20 h Discussions
- 18.00 h End day 1
- 20.00 h **Dinner (Lüneburg Haus, <http://www.lueneburghaus.de/>)**

## Tuesday, 17 October 2017

- 9.00 h Keynote talks modelling  
On the usefulness of models for liability (Olivier Boucher)  
Accounting for uncertainty and heterogeneity (Kate Ricke)
- 10.30 h Coffee
- 11.00 h Contributed talks  
Simulations of limited-area climate engineering (Dipu Sudhakar)  
Side effects of SRM (David Keller)
- 11.40 h Discussions
- 12.30 h Lunch (on board MS Stadt Kiel, [www.salonmotorschiff-stadt-kiel.de](http://www.salonmotorschiff-stadt-kiel.de))**
- 15.30 h Keynote talks regulation  
An Economic Anatomy of Optimal Climate Policy (Juan Moreno-Cruz)
- 16.15 h Coffee
- 16.45 h Keynote talks regulation (continued)  
The solar radiation management termination problem (Sjak Smulders)
- 17.30 h Contributed talks  
Regulation to set incentives to conduct carbon dioxide removal (Matthias Honegger)
- 17.50 h Discussions
- 18.00 h End day 2
- 20.00 h Dinner (Schöne Aussichten, <http://www.schoene-aussichten-kiel.de/>)**

## Wednesday, 18 October 2017

- 9.00 h Contributed talks  
Economic mechanisms for governing solar geoengineering (Wilfried Rickels)  
Relationships between climate variables under climate engineering (Nadine Mengis)  
Detrimental effects of anthropogenic aerosols (Johannes Quaas)
- 10.00 h Discussions
- 10.30 h Coffee
- 11.00 h Discussions
- 12.30 h End of workshop