

# **IMPLICC Final Symposium: The Atmospheric Science and Economics of Climate Engineering via Aerosol Injections**

**14-16 May, 2012  
Max Planck Institute for Chemistry, Mainz, Germany**

## **Preliminary agenda (as of May, 4, 2012)**

### **Monday, 14 May 2012**

- 12:00 Lunch

#### **CE – An overview**

- 13:30 Welcome, Logistics
- 13:40 Introductory remarks (Lennart Bengtsson, Paul Crutzen)
- 14:00 History of CE (James Fleming)
- 14:30 Overview of CE options and issues (Jim Haywood))
- 15:00 Philosophical implications of CE (Clive Hamilton)
  
- 15:30 Coffee

#### **CE via stratospheric aerosols**

- 16:00 Are volcanic eruptions a good analogy for climate engineering (Claudia Timmreck)
- 16:30 GeoMIP – Current status (Ben Kravitz)
- 17:00 Balancing a quadrupling of CO<sub>2</sub> – A comparison of four CMIP5 models (Hauke Schmidt)
- 17:20 Climate effects of different CE techniques (Ulrike Niemeier)
- 17:40 Aerosol microphysics (Francois Benduhn)

### **Tuesday, 15 May 2012**

- 09:00 Results from the SPICE project (Matt Watson)
- 09:30 Particle design for stratospheric CE (David Keith)
- 10:00 Discussion
  
- 10:30 Coffee

#### **CE via tropospheric aerosols**

- 11:00 Radiative effects of sea salt vs. other aerosol types (Michael Schulz)
- 11:20 The indirect aerosol effect – implications for CE (Jon Egill Kristjansson)
- 11:40 Effects of sea salt CE in IMPLICC models (Kari Alterskjær)
- 12:00 Eastern Pacific Emitted Aerosol Cloud Experiment (E-PEACE) (Lynn Russell)
- 12:30 Manipulating cirrus clouds (David Mitchell)
- 13:00 Discussion
  
- 13:30 Lunch

### **The economics of CE**

- 14:30 Economics of climate change (Herrmann Held)
- 15:00 Results from IMPLICC (Asbjørn Aaheim)
- 15:30 Economics of CE (Adam Millard-Ball)
- 16:00 Discussion
  
- 16:30 Posters
  
- 19:30 Conference Dinner

### **Wednesday, 16 May 2012**

#### **Policy and future of CE research**

- 09:00 Politics and CE (Tim Rayner)
- 09:30 Perspectives on international regulation of CE (Alexander Proelss)
  
- 10:00 Coffee
  
- 10:30 An NGO's perspective on CE (Pat Mooney)
- 11:30 Geoengineering: Emerging public perceptions and stakeholder perspectives (Adam Corner)
  
- 12:00 Lunch
  
- 13:15 Climate research in FP7, with view to Horizon2020 (Franz Immler)
- 13:30 Overview on current and upcoming CE research activities in Europe (Mark Lawrence)
- 14:00 Which questions should CE research tackle in the future? (Olivier Boucher)
- 14:30 Discussion - Where do we go from here?