

## Second Announcement

# **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**

**Focus:** International efforts to mitigate climate change by reducing emissions are proving difficult, and adaptation measures are mostly slow and costly. As a result, “climate engineering” (CE) has recently come into consideration as a possible last-resort component of the overall effort to respond to climate change. Numerous CE techniques have been proposed, but so far these are all highly uncertain in terms of their overall cooling potential, possibly strong regional variations in the responses of temperature and precipitation, and potential negative side effects. Prior to any responsible political or commercial actions, a solid scientific knowledge base of the effectiveness and side effects of various CE techniques is needed. In order to provide this information, several national and international projects are investigating CE. The first project funded by the EU, as part of its 7<sup>th</sup> Framework Program, is IMPLICC (“Implications and Risks of Novel Options to Limit Climate Change”; <http://implicc.zmaw.de>). In IMPLICC five groups from three countries are examining the atmospheric and economic aspects of CE via aerosol injections, either into the stratosphere, or into marine clouds. This symposium will focus on key results from IMPLICC, as well as from other projects focusing on CE via aerosol injections (e.g., GeoMIP, the international Geoengineering Model Intercomparison Project). The symposium should help place CE in the broader context of how dangerous climate warming can be avoided, and provide an outlook to future research needs and possible coordinated approaches.

### **Goals of the Symposium:**

- (1) Present the main results from IMPLICC and other related CE research projects to the research community (atmospheric sciences and other disciplines), as well as to a broader audience interested in climate policy development;
- (2) Provide an overview of current and upcoming major research projects on CE via aerosol injections;
- (3) Determine the major needs for future follow-up research on aerosol injections, and suggestions for future coordinated approaches.

### **Agenda:**

Please find a preliminary agenda at <http://implicc.zmaw.de>.

### **Sponsorship and expected outcome:**

The meeting will be sponsored by the IMPLICC project. A summary report to the EU will be produced based on the discussions and findings.

### **Time and Location:**

Monday, May 14<sup>th</sup>, 12:00 - Wednesday, May 16<sup>th</sup>, 16:00. The venue will be the new building of the Max Planck Institute for Chemistry, on the Campus of the University of Mainz. Please see the map at <http://www.mpic.de/Travel-directions.50.0.html?&L=2> for directions. The location can be reached from Frankfurt airport by public transport in less than an hour.

### **Participation:**

Participation will be by invitation only. Please contact Sarah Alznauer ([sarah.alznauer@mpic.de](mailto:sarah.alznauer@mpic.de)) if you haven't received an invitation to this event.

**Registration:**

Please register your attendance with [sarah.alznauer@mpic.de](mailto:sarah.alznauer@mpic.de) before April, 2, 2012. We recommend, however, to register much earlier due to earlier deadlines for hotel reservation (see below).

**Workshop registration fee:**

A workshop registration fee of 100,- Euros will be charged on-site (in cash) to cover a workshop dinner, coffee breaks, etc.

**Scientific Contributions:**

We invite scientific contributions in the above mentioned fields. If you want to present your work at the symposium, please send an abstract to Sarah Alznauer ([sarah.alznauer@mpic.de](mailto:sarah.alznauer@mpic.de)) before April, 2. Contributed presentations will be given as posters.

**Accommodation:**

Due to a trade fair during the period, hotel rooms are limited. We have made block reservations at local hotels. Please see the attached hotel list and make your reservation as soon as possible contacting the hotel directly.

**Scientific Organizing Committee:** Asbjorn Aaheim (Cicero, Norway), Jon-Egill Kristjansson (Univ. Oslo, Norway), Mark Lawrence (MPI-C, Germany), Hauke Schmidt (MPI-M, Germany), Michael Schulz (MetNo, Norway&LSCE/CEA, France), and Claudia Timmreck (MPI-M).

**Local Organizing Committee:** Mark Lawrence ([mark.lawrence@mpic.de](mailto:mark.lawrence@mpic.de)); François Benduhn ([francois.benduhn@mpic.de](mailto:francois.benduhn@mpic.de)); Sarah Alznauer ([sarah.alznauer@mpic.de](mailto:sarah.alznauer@mpic.de)).

**Website:** A preliminary workshop agenda and further information is posted at <http://implicc.zmaw.de/>

### **Hotels with block reservations:**

Please mention the keyword “IMPLICC” when making reservations at the following hotels.

#### **advena Europa Hotel**

Kaiserstraße 7

55116 Mainz

Tel: +49-6131-97 10 70

Fax: +49-6131-97 10 75 55

Email: [hotel.europa@advenahotels.com](mailto:hotel.europa@advenahotels.com)

[www.advenahotels.com](http://www.advenahotels.com)

Rate single room: EUR 97.00 per night, including breakfast

Block reservation until **February 15, 2012**

#### **InterCity Hotel**

Binger Straße 21

55131 Mainz

Tel: +49-6131-58 85 1 300

Fax: +49-6131-58 85 1 200

Email: [mainz@intercityhotel.de](mailto:mainz@intercityhotel.de)

[www.mainz.intercityhotel.de](http://www.mainz.intercityhotel.de)

Rate single room: EUR 88.50 per night, including breakfast

Block reservation until **April 16, 2012**

#### **Hotel Ibis**

Holzhofstraße 2

55116 Mainz

Tel.: +49-6131-2470

Fax: +49-6131-247200

Email: [H1084@accor.com](mailto:H1084@accor.com)

Rate single room: EUR 94.00 per night, including breakfast

Block reservation until **March 19, 2012**

#### **BEST WESTERN Hotel**

Wallstraße 56

55122 Mainz

Tel.: +49-6131-30400

Fax: +49-6131-3040500

Email: [info@hotel-mainz.bestwestern.de](mailto:info@hotel-mainz.bestwestern.de)

[www.hotel-mainz.bestwestern.de](http://www.hotel-mainz.bestwestern.de)

Rate single room: EUR 60.00 per night, including breakfast (if there are less than 15 single rooms booked, the rate will be higher (EUR 109.00))

Block reservation until **April 6, 2012**

#### **Park Inn by Radisson Hotel**

Haifa Allee 8

55128 Mainz

Tel.: +49-6131-72080

Fax: +49-6131-72081250

Email: [info.mainz@rezidorparkinn.com](mailto:info.mainz@rezidorparkinn.com)

*25 rooms reserved*

Rate single room: ca. EUR 73.00 per night, including breakfast

Block reservation until **April 6, 2012**