

# GeoMIP 2013 Agenda

## Sunday 14<sup>th</sup> April

**18:45 – 19:00** Gather in Mercure hotel reception and head for informal meal

## Monday 15<sup>th</sup> April

**08:30 – 09:00** arrival with coffee

09:00 – 09:20 Welcome + logistics

Pete Irvine + Mark Lawrence

09:20 – 09:40 Progress Report

Ben Kravitz

### Brief reports of GeoMIP stratospheric results – 10 minutes each including questions

09:40 – 09:50 Michael Mills – Prognostic stratospheric aerosol development in NCAR models

09:50 – 10:00 Francois Benduhn – Microphysical Limitations to Stratospheric Climate Engineering with Liquid Aerosol Particles

10:00 – 10:10 Angus Ferraro – Impact of aerosol & dimmed-sun geoengineering on stratospheric dynamics

10:10 – 10:20 Valentina Aquila – G4 experiment with the NASA GEOSCCM: the response of ozone and changes in the QBO

10:20 – 10:30 Discussion of results

**10:30 – 11:00** tea break

### Brief reports of GeoMIP climate change results – 10 minutes each including questions

11:00 – 11:10 Simon Driscoll – Simulations of the regional impacts of tropical volcanic eruptions in different configurations of HadGEM - with relevance to accurate simulation of sulphate aerosol geoengineering

11:10 – 11:20 Nicolas Huneeus – Climate sensitivity in global models to solar irradiance reduction and increased CO<sub>2</sub>

11:20 – 11:30 Ulrike Niemeier – Climatic impact of different solar irradiance reduction schemes

11:30 – 11:45 Discussion of results

11:45 – 11:55 Hannele Korhonen – Recent results from the Finnish COOL project

11:55 – 12:05 John Moore – Arctic response in the GeoMIP experiments

12:05 – 12:15 Piers Forster – WRF-CHEM modeling of sea salt spraying

12:15 – 12:30 Discussion of results

**12:30 – 12:35 Group photo**

**12:35 – 13:05 Lunch break**

**13:05 – 14:00 Optional walk around lake**

*Brief reports of GeoMIP climate impacts results – 10 minutes each including questions*

14:00 – 14:10 Jim Haywood – A multi-model assessment of the termination effect

14:10 – 14:20 Ben Kravitz – Winners and losers in solar geoengineering

14:20 – 14:30 Lili Xia – Impacts of Balancing CO<sub>2</sub> Increases with Solar Insolation Reductions (from the GeoMIP G2 scenario) on Chinese Agricultural Production

14:30 – 14:40 Tim Beringer – Multisectoral impacts simulations with the LPJmL biosphere model - perspectives for GeoMIP

14:40 – 15:00 Discussion of results

15:00 – 15:30 Discussion of future disciplinary analysis

**15:30 – 16:00 Tea break**

16:00 – 17:00 Discussion on how to make the most out of geoMIP output

17:00 – 17:30 Open discussion

**17:30 – 19:00 Tour of Potsdam**

**19:00** Dinner

## Tuesday 16<sup>th</sup> April

**08:30 – 09:00 Arrival with coffee**

09:00 – 09:20 Recap and allocate time for discussion

Pete Irvine

*Brief reports on interdisciplinary geoengineering research at IASS – 10 minutes each including questions*

09:20 – 09:30 Thilo Wiertz – The virtual reality of geoengineering

09:30 – 09:40 Anna-Maria Hubert and David Reichwein – The use of scientific models as evidence in international courts and tribunals

09:40 – 09:50 Achim Maas – A policy perspective on geoMIP

09:50 – 10:30 Discussion of how GeoMIP results relate to social science research and policy advice

**10:30 – 11:00 Tea break**

11:00 – 11:15 Ben Kravitz – Summary of proposed extensions to GeoMIP experiments

11:15 – 12:30 Discussion of the future of GeoMIP

**12:30 – 13:30 Lunch break**

13:30 – 15:00 Free discussion + wrap up

**15:00 OFFICIAL END**

**15:00 – 15:30 Tea break**

15:30 – 18:00 Time and space for informal discussions or group meetings

18:00 – 19:30 Evening panel discussion – 'Mind the Gap – Climate Engineering between Models and Reality'

**19:30 Standing Buffet**