Fourth GeoMIP Meeting
24-25 April 2014

Salle des thèses, Cordeliers
15 rue de l'Ecole de Médecine
75006 Paris, France

Wednesday, 23 April 2014

Meet for dinner at 19:00 (for those who have arrived in town)
La Vielle Tour Restaurant, 62 Rue Moufetard

Thursday, 24 April 2014

9:00-9:30 Arrival

9:30-9:45 Welcome and Introduction

9:45-10:00 GeoMIP progress report

10:00-11:00 Four short talks (12 mins. each + questions)
The stratospheric response to sulfate geoengineering
The effects of stratospheric sulfate geoengineering on ozone
Response of Indian monsoon to geoengineering
Impacts, effectiveness, and regional inequalities of the GeoMIP G1 to G4 SRM scenarios

11:00-11:30 Coffee break

11:30-12:45 Five short talks
GeoMIP SC and G4 simulations in HadGEM2-ES
Impacts of geoengineering on agriculture and ecosystems
Simulated response of vegetation to the G1 experiment

Ben Kravitz
Ulrike Niemeier
Gianni Pitari
Saroj Kanta Mishra
Xiaoyong Yu

Julia Crook
Alan Robock and Lili Xia
Susanne Glienke
Short talks (continued)

Effect of carbon coupling on global precipitation in CanESM2
- Jason Cole

G1 ocean-albedo results from EC-Earth
- Shuting Yang

12:45-14:00 Group photo, followed by lunch in the cloister

14:00-15:30 Six short talks
- Realistic sea-salt injection in WRF-CHEM high resolution case studies
  - Annabel Jenkins

- Geoengineering and ENSO
  - Corey Gabriel

- Modulation of Southern Hemisphere climate drivers by large-scale geoengineering
  - Steven Phipps and Andrew Lenton

- Asymmetries between the onset and termination of geoengineering
  - Simon Driscoll

- Controlling Arctic sea ice with stratospheric injection
  - Lawrence Jackson

- Prognostic stratospheric sulfate aerosol for volcanoes and geoengineering in CESM/WACCM
  - Mike Mills

15:30-16:15 Coffee break

16:15-17:30 Four short talks
- Can regional geoengineering save the Arctic sea ice?
  - Simone Tilmes

- TBD
  - Helene Muri

- Irreversibility of Earth system associated with CDR and SRM
  - Shingo Watanabe

- Radiation management without suppression of precipitation?
  - Jón Egill

- Update on SPICE
  - Kristjánsson

17:30-19:00 Informal short tour combined with walk to dinner

19:00 Dinner (Location TBD)
Friday, 25 April 2014

9:00    Start of meeting

9:00-10:30  Status of GeoMIP (discussion)
            Are we happy with where we are and what we've done?
            Plans for using G1ocean-albedo, G4cdnc and G4sea-salt
            List of potential papers

10:30-11:00  Coffee break

11:00-12:30  Future of GeoMIP (discussion)
            Endorsement by CMIP6
            Proposed simulations for CCM1
            How do we want to continue GeoMIP?
            New experiments?
            Management structure?
            Next meeting?
            Interdisciplinary interactions in GeoMIP?

12:30-14:00  Lunch in the cloister

14:00-15:15  Additional discussions and wrap-up

15:15    Official end of meeting