

Sixth GeoMIP Meeting  
21–22 June 2016

Norwegian Meteorological Institute, Talhall

**Tuesday, 21 June 2016**

9:00–9:30	Arrival (Poster presenters: hang posters)	
9:30–9:45	Welcome and Introduction	Jón Egill Kristjánsson
9:45–10:00	GeoMIP Progress Report	Ben Kravitz
10:00–10:40	<i>Two talks</i>	
	EXPECT	Jón Egill Kristjánsson
	Insights on the Feasibility, Modeling and Field Testing of Cirrus Cloud Thinning from Satellite Remote Sensing	David Mitchell
10:40–11:00	Poster introductions (Each presenter has one minute)	
11:00–11:20	Coffee break	
11:40–13:00	<i>Five talks</i>	
	A comparison of sulfate injection geoengineering and solar reduction geoengineering	Lili Xia
	Direct and indirect radiative effects of stratospheric sulfate under geoengineering conditions	Daniele Visioni
	Different responses of the stratospheric polar vortex to volcanic eruptions and sulfate geoengineering	Hauke Schmidt
	Ozone changes under solar and sulfate injection geoengineering - why geoengineering would affect air quality	Peer Nowack
	TBA	David Keith
13:00–14:00	Group photo, followed by lunch	
14:00–15:00	<i>Three talks</i>	
	The G4sea-salt Experiment	Lars Ahlm
	The Land Geoengineering Model Intercomparison Project: Land-GeoMIP	Annette Hirsch
	The G4Foam Experiment: Global Climate Impacts of Regional Ocean Albedo Modification	Corey Gabriel
15:00–15:30	Open discussion	
15:30–17:00	Coffee and poster session	
17:00–	Depart for dinner event	

## Wednesday, 22 June 2016

9:00–9:30	Arrival	
9:30–10:10	<i>Two talks</i>	
	Impact of solar dimming and stratospheric aerosol geoengineering on the Atlantic Meridional Overturning Circulation (AMOC)	Hong Yu
	Climate Emulators for Solar Geoengineering	Doug MacMartin
10:10–11:00	Discussions	
11:00–11:20	Coffee break	
11:20–12:00	Continued discussions	
12:00	Adjourn, followed by lunch (Poster presenters: remove posters)	Oslo Science Park
	<b>Open EXPECT event (CIENS Forum)</b>	
13:00–13:10	Welcome/Introduction	Jón Egill Kristjánsson Michael Schulz
13:10–13:40	The Changing Climate System	Ray Pierrehumbert
13:40–14:00	Climate Engineering by Carbon Dioxide Removal	Mark Lawrence
14:00–14:20	Climate Engineering by Modification of the Earth's Radiation Balance	Helene Muri
14:20–14:30	Discussion	
14:30–15:00	Coffee break	
15:00–15:20	Ethical Aspects of Climate Engineering	Alan Robock
15:20–15:40	Governance Aspects of Climate Engineering	Oliver Geden
15:40–16:00	Economics Aspects of Climate Engineering	Asbjørn Aaheim
16:00–16:30	Discussion	
16:30–16:40	Future CE Research Directions	Trude Storelvmo
16:40–17:30	Refreshments	

## Poster Presentations

Climate Engineering Review: Modelled Impacts of Stratospheric Sulfate Aerosols, Marine Cloud Brightening, and Cirrus Cloud Thinning	Lily Hahn
Changes to the drivers of sea-level rise in the GeoMIP ensemble	Pete Irvine
TBA	Anthony Jones
Studying the limitations of stratospheric aerosol injections using a sectional 3D aerosol-climate model	Christoph Kleinschmitt
TBA	Saroj Kanta Mishra
Marine sky brightening, cirrus cloud thinning	Helene Muri
TBA	Ulrike Niemeier
Ocean Circulation	Odd Helge Otterå
A Strategy for the Use of Solar Climate Engineering	Rick Russotto
Thermodynamic and dynamic responses of the hydrological cycle to solar dimming	Jane Smyth
G4cdnc Results	Camilla Stjern
Simulations of geoengineering via laser shattering of cirrus clouds	Trude Storelvmo
Large scale ocean and land carbon cycle impact on stratospheric aerosol injection	Jerry Tjiputra