

*The National Academies of*  
SCIENCES • ENGINEERING • MEDICINE

**Developing a Research Agenda and Research Governance Approaches for  
Climate Intervention Strategies that Reflect Sunlight to Cool Earth**

**Meeting 1: April 30, 2019**

Keck Center  
500 Fifth St., NW  
Washington, DC  
**Room 101**

**MEETING GOALS**

- Gain perspective on the current landscape of solar climate intervention research and research governance efforts
- Discuss the committee's task with the sponsors to understand their needs and expectations
- Hear from interested stakeholders

**Tuesday, April 30, 2019**

**Keck 101**

**OPEN SESSION (10:30 a.m. - 5:30 p.m. ET)**

- 10:30 A.M.      Introductions and Brief Overview of the Study      Sue Biniaz and Chris Field  
Committee Co-Chairs
- 11:00 A.M.      **SESSION #1: OVERVIEW OF U.S.-BASED SOLAR CLIMATE INTERVENTION RESEARCH PROGRAMS/EFFORTS**
- **Geoengineering Model Intercomparison Project / GLENS / Geoengineering Modeling Research Consortium**-- Ben Kravitz, Indiana University
  - **Harvard's Solar Geoengineering Research Program** -- David Keith and Daniel Schrag, Harvard University [*remote*]
  - **Marine Cloud Brightening Project / SilverLining** -- Kelly Wanser, Luminus Networks
- 12:30 P.M.      *Working Lunch*
- 1:30 P.M.      **SESSION #2: OVERVIEW OF RECENT SOLAR CLIMATE INTERVENTION RESEARCH GOVERNANCE EXPLORATORY EFFORTS**
- **Governing Solar Radiation Management** – David Morrow, Forum for Climate Engineering Assessment (American University)
  - **Exploring Democratic Governance of Solar Geoengineering Research** -- Daniel Sarewitz, Consortium for Science, Policy, and Outcomes (Arizona State University)
  - **Geoengineering Research Governance Project** -- Anna-Maria Hubert, University of Calgary
  - **Solar Radiation Management Governance Initiative** - Steve Hamburg, Environmental Defense Fund

- 3:15 P.M.      *Break*
- 3:30 P.M.      **SESSION #3: STUDY SPONSORS' PERSPECTIVES ON THE COMMITTEE'S TASK**
- What are the most important issues to be covered in the report?
  - Explore nuances of committee's task – what should be included in report?
  - What is hoped for out of study? What would “success” look like?
- 4:15 P.M.      **SESSION #4: PERSPECTIVES FROM A SAMPLE OF SOLAR CLIMATE INTERVENTION STAKEHOLDERS**
- Janos Pasztor, Carnegie Climate Geoengineering Governance Initiative (C2G2)
  - Lili Fuhr, Heinrich Böll Foundation [*remote*]
  - Kyle Whyte, Michigan State [*remote*]
  - Pablo Suarez, Red Cross Red Crescent Climate Centre
  - Congressional staff representatives [*invited*]
- 5:30 P.M.      *Adjourn Open Session*

**NOTE FOR PUBLIC MEETINGS:** This meeting is being held to gather information to help the committee conduct its study. This committee will examine the information and material obtained during this, and other public meetings, in an effort to inform its work. Although opinions may be stated and lively discussion may ensue, no conclusions are being drawn at this time; no recommendations will be made. In fact, the committee will deliberate thoroughly before writing its draft report. Moreover, once the draft report is written, it must go through a rigorous review by experts who are anonymous to the committee, and the committee then must respond to this review with appropriate revisions that adequately satisfy the Academies' Report Review Committee and the NAS president before it is considered an official Academies report. Therefore, observers who draw conclusions about the committee's work based on today's discussions will be doing so prematurely.

Furthermore, individual committee members often engage in discussion and questioning for the specific purpose of probing an issue and sharpening an argument. The comments of any given committee member may not necessarily reflect the position he or she may actually hold on the subject under discussion, to say nothing of that person's future position as it may evolve in the course of the project. Any inference about an individual's position regarding findings or recommendations in the final report is therefore also premature.