CCIS: Observations to Inform Climate Interventions Strategies, 8 July, 2020

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Ground Rules and Technological Considerations for Webinars

Questions may be typed into the chat window for technological assistance at any time; please hold presenter questions until they've finished.

Please remain muted and leave video off except when responding during the Q & A sessions.

The meeting will be recorded and available for playback – check our website for details: https://www2.acom.ucar.edu/workshop/ccis-2020-webinars

Community Climate Intervention Strategies Webinar Series, April – Sept 2020

https://www2.acom.ucar.edu/workshop/ccis-2020-webinars

APRIL 15, 2020: 9-11AM (MDT)

Introduction and Motivation of the CCIS Project

- **CCIS Committee (presented by Simone Tilmes):** Overview of the project, motivation and goals of webinars and the workshop
- **Will Steffen (Australian National University)**: "Climate Change 2020: Why are we in an emergency?"
- **Holly Buck (UCLA School of Law)**: "What a holistic approach to climate intervention is – and why we need it"

Recording and more information.

MAY 06, 2020: 9-11AM (MDT)

IAMs, Mitigation, and Scenario development for combined intervention strategies

Moderator: Doug MacMartin (Cornell University)

- **Dale Rothman (University of Denver):** "General History of Futures Thinking and Scenarios"
- **Massimo Tavoni (Climate Change Economics at Politecnico di Milano):** "Integrated modeling of SRM"
- **Edward (Ted) Parson (University of California):** "Geoengineering scenarios in climate assessment and policy debates – experience, insights, and prospects"
- **Christopher Trisos (African Climate and Development Initiative):** "Choose your own scenarios"

Recording and more information.

MAY 27, 2020: 9-11AM (MDT)

Solar Radiation Management

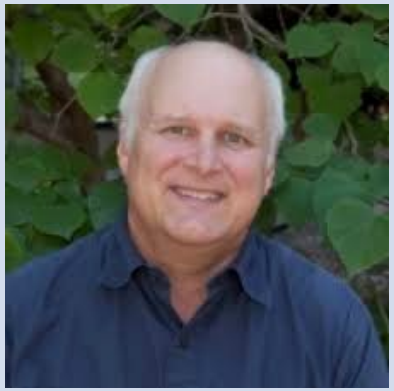
Moderator: Simone Tilmes (NCAR)

- **James Hurrell (Colorado State University)**: "An overview of SRM: approaches to cool a warming planet"
- **Jim Haywood (University of Exeter, UK):** "What have we learned from a decade of coordinated GeoMIP and stand-alone SRM geoengineering simulations?"
- **Sarah Doherty (Marine Cloud Brightening Project):** "An overview of research on using Marine Cloud Brightening to cool climate"
- **Jean-François Lamarque (NCAR):** "Current understanding and challenges in stratospheric aerosol modeling for SRM"

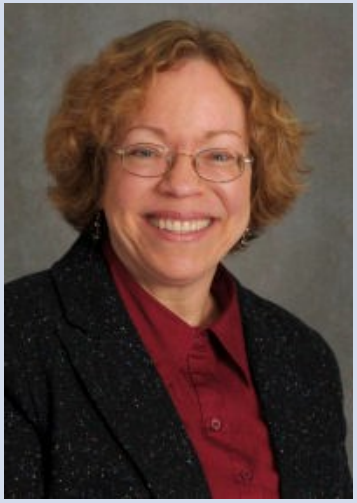
Register for the webinar here. More information here.

Next Webinar: Understanding Climate Change Impacts to Inform CIS, 6 August, 9-11am MDT

Roy Rasmussen (NCAR): *Recent Improvements in the Simulation of High-Impact Events using Convective-Permitting Models*



Gerald C Nelson (U of Birmingham): *Impacts and The DECIMALS Fund*



Jessica Gurevitch (SUNY Stony Brook): *Potential Ecological Risks and Impacts of Solar Radiation Modification and Why You Should pay Attention to This*

AGU Session: 105445 (7–11 December)

Integrating Climate Intervention, Mitigation, Adaptation and Social Science Research Communities (Global Environmental Change)

Abstract submissions open now and are due by 29 July. Please go to https://www.agu.org/fall-meeting for details.

We invite a range of abstracts on possible climate intervention strategies, interdisciplinary research design, scenario development for combing intervention strategies, Earth System and process modeling, including observational analogues, and assessments of ecological and societal impacts. We also invite papers that consider how their research efforts fit into a pluralistic portfolio of solutions, those that discuss values-informed climate research, and issues related to the co-development of climate research projects with social scientists, the public, and/or stakeholders.

CCIS Webinar Series: Today's Webinar on Observations to Inform CIS

Today's Agenda:

David Schimel (NASA JPL) *"The global carbon observing (non) system: insights from the COVID experience"*

Robert Wood (U Washington) *"Using observations to better understand aerosol-cloud-climate interactions "*

Jean-Paul Vernier (NASA NIA) *"Stratospheric aerosol observations"*

Discussion