

Community Climate Intervention Strategies

Project: Webinar Kickoff April 15, 2020

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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:

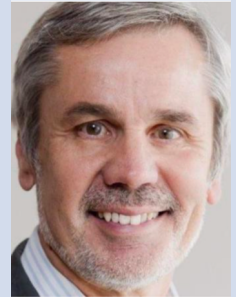
<https://www2.acom.ucar.edu/workshop/ccis-2020-webinars>

Community Climate Intervention Strategies

Webinar Kickoff, April 15, 2020

Agenda

- Introduction of the CCIS Steering Committee and the Project Goals (presented by Simone Tilmes)
- 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”
- Discussion



Community Climate Intervention Strategies

Steering Committee: Who are we?

NCAR and UCAR local Steering Committee



Simone Tilmes
atmospheric
chemistry,
climate, SRM



Peter Lawrence
forests, land
management
and climate



Monica Morrison
philosophy of
science, values
in science



Andreas Prein
weather and
climate extremes,
impacts



Brian Medeiros
climate modeling,
clouds,
feedbacks



Britt Stephens
global carbon
cycle,
observations



Andrea Smith
education &
outreach



Roy Rasmussen
orographic cloud
physics, water
cycle

External Members of the Steering Committee



Deborah Lawrence
Uni. of Virginia
forests and
climate mitigation



Doug MacMartin
Cornell Uni.
engineering,
uncertainty,
SRM



Dale Rothman
Uni. of Denver
scenarios; ecological
economics; systems
modeling



Karen Rosenlof
NOAA
stratospheric
dynamics,
stratospheric SRM



Greeshma Gadikota
Cornell Uni.
low carbon, negative
emission technologies

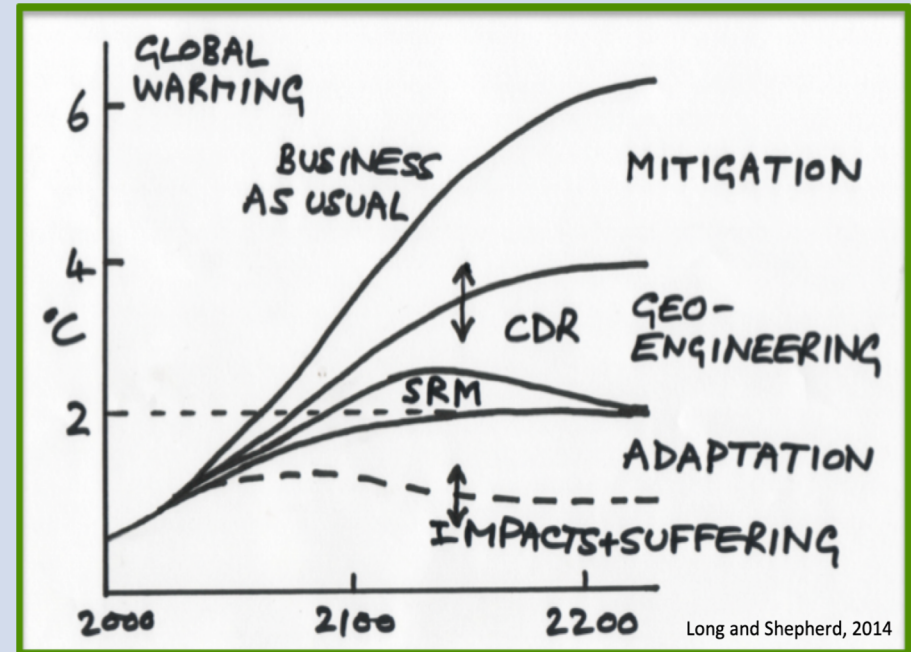
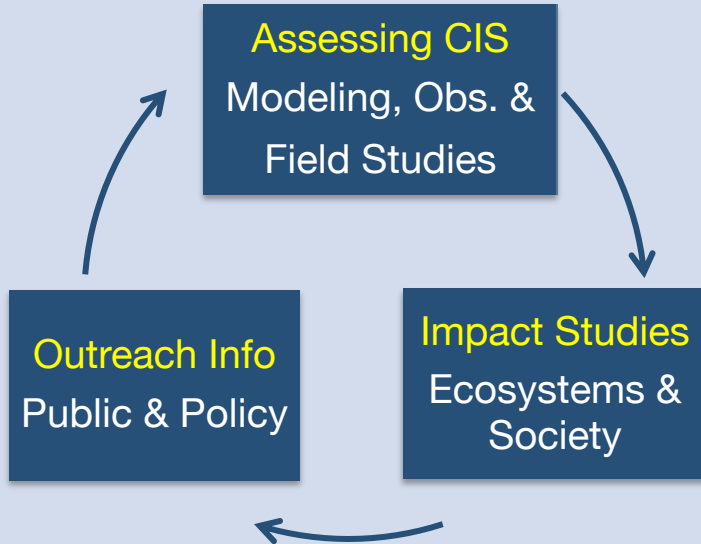


Wojtek Grabowski
cloud physics and
dynamics, climate
interactions

Climate Intervention Strategies and Research Needs

Motivated by the urgency to holistically evaluate climate intervention strategies.

Benefits and Risks?
Unintended consequences?
Limitations, Uncertainties?



Unbiased research, shared principles on best practices, and governance

Community Climate Intervention Strategies (CCIS) Project

Key Goals

- Connect the research community to develop a **unifying framework**; coordinate efforts to **holistically assess a large collection of possible strategies** (mitigation, adaptation, and interventions)
- Optimally integrated different community efforts to conduct climate intervention research that **is informative for policy makers and society as a whole**
- Identify **education, outreach and communication needs** between scientists, stakeholders and the public
- **Identify funding needs for establishing a CCIS research program**

Community Climate Intervention Strategies Postponed Workshop, October 28-30, NCAR

Agenda and Goals:

Workshop Supported by:

NSF, SRMGI, member of the community

1st Day: Conceptualizing components of the unified Framework

- What efforts exist in the community and what is the role of each of the research communities? **WEBINARS**

2nd Day: Integration of different research Communities

- Define paths of integration of different research communities
- Identify relevant scenarios, improved Earth System Modeling, society and ecosystem relevant impact assessment, values and ethical research, and communication to public and stakeholder

3rd Day: Framework development and outlining the main goals

- Identification of working groups and steering committee
- Establish priorities, timelines, short and long-term goals

Community Climate Intervention Strategies

Webinar Series: Start April 15th, 2020

Goal: Conceptualizing components of the unified Framework

- Establish shared understanding of ongoing research
- Identify existing efforts in the community, the role of each of the research communities? What are the challenges?

Webinar Series April – Sept 2020

Webinars: 9 different topics

- Recorded presentations and discussions
- Outcome: 2-page summary each
- Baseline for the in-person workshop
- Webinar dates announced online:

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

**Introduction /
Motivation**

Scenarios / IAM

SRM

CDR

**Education /
Outreach**

Observations

Impacts

**Ethics /
Governance**

Framework