

Designing Scenarios for Climate Intervention Strategies
An Interdisciplinary Workshop Organized by the Community Climate Intervention
Strategies Project at the National Center for Atmospheric Research

31 October-2 November 2022

National Center for Atmospheric Research, Boulder, CO, USA and Online

Day 1: Scenarios for Climate Intervention Strategies: Current Practices and Challenges

Time	Activity
7:30	<i>Registration and coffee</i>
8:00	<i>Introduction</i> Everett Joseph, Victoria Breeze, Antonio Busalacchi
	<i>Goals of the Workshop</i>
8:15	Workshop Steering Committee
	<i>History and Development of Future Climate Scenarios (chair Vanessa Schweizer)</i>
8:30	Ted Parson
8:50	Panel Discussion: Vanessa Schweizer, Bas van Ruijven, Elmar Kriegler, Keywan Riahi
9:45	<i>Coffee Break</i>
	<i>Existing Climate Intervention (CI) Scenarios (chair Andrea Smith)</i>
10:15	Alan Robock, Simone Tilmes, Doug MacMartin, Peter Lawrence
10:55	Discussion
	<i>New Open Questions-Part 1: Lightning talks (chair Daniele Visionsi)</i>
11:15	<i>Geopolitics:</i> Jessica Seddon, Josh Horton
11:30	<i>Tipping Points:</i> Tim Lenton, Kasper Kok
11:45	<i>Technology / Limitations:</i> Wake Smith, Dave Lawrence
12:00	<i>Economy:</i> Claudia Wiener, Mariia Belaia
12:30	<i>Lunch – available onsite</i>
	<i>New Open Questions-Part 2: Lightning talks (chair Peter Lawrence)</i>
1:30	<i>Terrestrial/Ocean Ecosystems:</i> David Lapola, Cheryl Harrison
1:45	<i>Extreme Weather:</i> Danielle Touma, Romaric Odoulami
2:00	<i>Urban and Cryosphere:</i> Lei Zhao, Dave Bailey
2:15	<i>Water Resources:</i> Andrew Newman, Abu Syed
2:30	<i>Agriculture/Ecosystems:</i> Lili Xia, Phoebe Zarnetske
2:45	<i>Break</i>

Time	Activity
	<i>Broader Perspectives: Lightning talks (chair: Tyler Felgenhauer)</i>
3:00	<i>NGO & EPA: Rachel Licker, Brooke Hemming or Andy Miller</i>
3:15	<i>Policy/Civil Society: Holly Buck, Shuchi Talati</i>
3:30	<i>Global South: Paulo Artaxo, Babatunde Abiodun</i>
3:45	Discussion
4:00	<i>Summary and outlook for the next day</i>
5:00	<i>Hike at Chautauqua (optional)</i>

Day 2: Developing Guidelines for Community Best Practices for Usable Scenarios / Designing Plausible Scenarios for Climate Interventions

Time	Activity
7:30	<i>Coffee</i>
	<i>Principles for Making CI Scenarios More Usable (chair: Dale Rothman)</i>
8:00	Panel discussion: Marion Hourdequin, Billy Williams, Patricia Pinho, Marty Anderies
	<i>Approaches for CI Scenario Development: (chair: Michael Barton)</i>
9:00	Panel discussion: Mark Rounsevell, Carsten Lemmen, Dale Rothman, Kasper Kok Bas van Ruijven, David Keith
10:00	<i>Coffee</i>
	<i>Breakout Groups day 2: Needs for CI Scenario Design and Development from Different Partners (Chair: Monica Morrison, with various group moderators)</i>
10:30	Introduction to breakout group activities
10:40	Move into breakout groups
11:40	Prepare Report from Breakout Group Discussions
12:00	<i>Lunch - Available Onsite</i>
1:00	<i>Report from Breakout Groups—major points</i>
2:00	<i>How Do We Design Scenarios Going Forward? (Chair: Monica Morrison)</i> Broad discussion on the design of scenarios for CI in the long run
3:00	<i>Coffee</i>

Time	Activity
3:30	<i>Define day 3 breakout group topics for prototyping scenarios (Moderator: Doug MacMartin)</i>

Day 3: Develop Illustrative Prototype Scenarios Highlighting Climate Interventions

Time	Activity
8:00	<i>Summary from day 2 and review of topics for breakout groups for developing prototype scenarios (Workshop Steering Committee)</i>
9:00	<i>Breakout groups day 3</i> Conceptual Mapping of a specific Scenario
10:00	<i>Coffee</i>
10:30	<i>Breakout groups day 3, cont'd</i> Prototype a Scenario
11:30	Report back
12:30	Discussion
1:00	<i>Adjourn</i>