

## CCSP SAP 3.4 “Abrupt Climate Change” Workshop I Agenda

### Objectives of the Meeting:

- Produce an outline of topics for consideration in the synthesis and assessment product
- Establish writing assignments and tasks

### Meeting Venue:

Hyatt Regency Reston  
Lake Thoreau room  
1800 Presidents Street  
Reston, VA 20190

### **Monday, March 26**

8:00 AM – 8:30 AM Committee Member Registration / Meet and Greet

8:30 AM – 10:40AM Pre-workshop administrative matters (Non-Public Session)

- Jack McGeehin, USGS, on logistics of meeting / SAP timeline
- Nancy Baumgartner, USGS, on SGE status
- Cindy Cafaro, DOI, on FACA considerations

10:40AM – 11:00AM Break

11:00AM – 12:00PM Start of Workshop (Public Session)

- Opening statements: Dr. Mark Myers, Director USGS
- Public comments
- Peter Schultz, CCSP

12:00PM – 1:15PM Lunch

1:15PM – 1:30PM

- Afternoon announcements
- General questions and answers

1:30PM – 3:25PM **Rapid Changes in Ice Sheet Mass Balance**

Format: 35 minutes presentations including questions for clarification; 10 minute stretch break

- Topic speakers
  - **Konrad Steffen**, Cooperative Institute for Research in Environmental Sciences, Boulder, Colorado, USA: “Cryospheric Contributions to Sea-Level Rise and Variability”
  - **Robert Thomas**, NASA Goddard Space Flight Center Wallops Flight Facility, Wallops Island, Virginia, USA: "Ice-sheet contributions to sea-level change"
  - **Shawn Marshall**, Department of Geography, University of Calgary, Calgary, Canada: "Sea level rise past, present, and future: the perspective from ice sheet models"

3:25PM – 3:45PM Coffee Break

## CCSP SAP 3.4 “Abrupt Climate Change” Workshop I Agenda

3:45PM – 5:15PM Panel Discussion

Format: Topic speakers will begin the discussion integrating the ideas presented. Discussion will be open to all workshop participants with limited time for public comments.

- Integration of ideas
- Outline of topics
- Establish chapter subcommittee

5:15PM – 5:30PM Wrap-up and Adjourn

### **Tuesday, March 27**

8:00AM – 8:15AM

- Morning announcements
- Leftover business from previous day’s discussion

8:15AM – 10:10PM **Rapid Release of Methane from Hydrates**

Format: 35 minutes presentations including questions for clarification; 10 minute stretch break

- Topic speakers
  - **David Archer**, Department of Geophysical Sciences, University of Chicago, Chicago, Illinois, USA: “Methane hydrates and global warming: a risk analysis”
  - **Ed Brook**, Department of Geosciences, Oregon State University, Corvallis, Oregon, USA: "The ice core record of abrupt changes in atmospheric methane"
  - **David Lawrence**, National Center for Atmospheric Research, Boulder, Colorado, USA: “Vulnerability of Permafrost and Peatland Carbon Pools to High-latitude Warming: Amplifying Feedbacks to Climate Change?”

10:10AM – 10:30AM Coffee Break

10:30AM – 12:00PM Panel Discussion

Format: Topic speakers will begin the discussion integrating the ideas presented. Discussion will be open to all workshop participants with limited time for public comments.

- Integration of ideas
- Outline of topics
- Establish chapter subcommittee

12:00PM – 1:15PM Lunch

1:15PM – 1:30PM

- Afternoon announcements
- Leftover business from morning discussion

1:30PM – 3:25PM **Meridional Overturning Circulation Change and Influence on Climate**

Format: 35 minutes presentations including questions for clarification; 10 minute stretch break

- Topic speakers

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- **Jean Lynch-Stieglitz**, Georgia Institute of Technology, Atlanta, Georgia, USA: “Atlantic MOC: Evidence for past variability and relationship to abrupt climate change during the last 80,000 years”
- **Bill Johns**, Division of Meteorology and Physical Oceanography, University of Miami, Miami, Florida, USA: “The Atlantic MOC: Modern observations, variability and detection of change.”
- **Ron Stouffer**, Climate Dynamics and Prediction Group, Geophysical Fluid Dynamics Laboratory, NOAA, Princeton, New Jersey, USA: “Modeling Abrupt Climate Change”

3:25PM – 3:45PM Coffee break

3:45PM – 5:15PM Panel Discussion

Format: Topic speakers will begin the discussion integrating the ideas presented. Discussion will be open to all workshop participants with limited time for public comments.

- Integration of ideas
- Outline of topics
- Establish chapter subcommittee

5:15PM – 5:30PM Wrap-up and Adjourn

### **Wednesday, March 28**

8:00AM – 8:15AM

- Morning announcements
- Leftover business from previous day’s discussion

8:15AM – 10:10AM **Rapid Changes to the Hydrologic Cycle**

Format: 35 minutes presentations including questions for clarification; 10 minute stretch break

- Topic speakers
  - **Ed Cook**, Lamont-Doherty Earth Observatory, Columbia University, Palisades, New York, USA: "Large-Scale Hydroclimatic Variability And Change Over North America For The Past 1000 Years"
  - **Richard Seager**, Lamont-Doherty Earth Observatory, Columbia University, Palisades, New York, USA: “Near term rapid climate change: The case of imminent drying of southwestern North America”
  - **Pat Bartlein**, Department of Geography, University of Oregon, Eugene, Oregon, USA: "Abrupt hydrological response to gradual forcing during the Holocene: the role of land-surface feedback in amplifying hydrological extremes"

10:10AM – 10:30AM Coffee Break

10:30AM – 12:00PM Panel Discussion

Format: Topic speakers will begin the discussion integrating the ideas presented. Discussion will be open to all workshop participants with limited time for public comments.

- Integration of ideas

## CCSP SAP 3.4 “Abrupt Climate Change” Workshop I Agenda

- Outline of topics
- Establish chapter subcommittee

12:00PM – 3:30PM Lunch and Breakout of Chapter Subcommittees (Non-Public Session)

- Write detailed outlines
- Finalize writing assignments

3:30PM – 4:30PM (Public session to adjournment of workshop)

- Presentation of outlines by chapter leads

4:30PM – 5:00PM Next steps and Closing

5:00PM Workshop Adjourns