



# National Council for Science and the Environment

*Improving the scientific basis for environmental decision-making*

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## **Climate Change Education Workshop**

### **DRAFT AGENDA**

**March 15-16, 2010**

**National Academy of Sciences (NAS), Washington, DC**

**Note that the workshop will move among several locations (see agenda for details)**

Funded by the U.S. National Science Foundation (NSF) with contributions by NASA and NOAA to support their grantees

Participants – about 50 principal investigators from NSF, NOAA and NASA, plus agency participant/observers

***Organized by the National Council for Science and the Environment (NCSE)***

### **Goals :**

- Create a community of practice, including collaborations and partnerships, among climate education leaders
- Enable CCE awardees from NSF, NOAA, and NASA to learn from each other about activities to be carried out.
- Enable NSF and other agencies to learn more about activities of grantees
- Generate ideas for further US government investment in climate change education – based on identification of the gaps and the unique natures of each agency's programs
- Develop material for a report on how to build a community of practice involving all federally funded climate change educators.
- Pre-workshop – Each participating grantee will be asked to submit a one page summary of their project, which will be shared with all attendees prior to the workshop.

### **Afternoon, March 15**

*Introduction to Climate Change Education projects*

**Location: National Academy of Sciences, Keck Building, 500 5<sup>th</sup> St. NW, Room 100**

<b>12:30 p.m.</b>	Registration – A table will be provided for literature
<b>1:00 p.m.</b>	Welcome – NSF and NAS representatives
<b>1:15 p.m.</b>	Round the room Introductions of participants and the organizations they represent and title of their projects (only)
<b>1:30 p.m.</b>	Overview of Workshop Goals and Procedures – David Blockstein, Senior Scientist and Director of Education, National Council for Science and the Environment, NCSE
<b>1:45 p.m.</b>	The Federal Role in Climate Change Education – Jill Karsten, Program Director for Education and Diversity, Geosciences Directorate, National Science Foundation - to include NSF, NASA, NOAA and OSTP – perhaps others
<b>3:15 p.m.</b>	Break
<b>3:30 p.m.</b>	Introduction to Climate Change Education Projects  Introductions of participants and the organizations they represent and their projects (limited to 5 minutes per project) – the purpose is to give a capsule overview to allow people to start to get to know each other; there will be more detailed presentations in the morning. One page summaries of each project will be provided to all participants in advance.

### **Evening, March 15**

*Presenting Climate Change Science*

**Location: Marian Koshland Science Museum, NAS, northeast corner of 6th and E Streets, NW.**

<b>5:30 p.m.</b>	Viewing of climate education exhibit and icebreaker discussion – GLOBAL WARMING FACTS & OUR FUTURE – comments by Tom Bowman, exhibit designer and Erika Shugart, exhibit curator.  Explore the current facts about climate change, including its potential causes and the possible future effects of global warming. Discover what these climate changes will likely mean for you. Investigate the personal, national, and international actions that could reduce the negative effects of global warming.
<b>7:00 p.m.</b>	<b>Dinner – Tony Cheng’s Chinese Restaurant</b> – 619 H Street, NW Speaker – New Developments in Climate Change Science, Richard Alley, Penn State University

## **Morning, March 16**

*Further Introduction to Climate Change Education Projects*

**Location: National Academy of Sciences, 2101 Constitution Ave. NW, Washington, DC**

<b>8:15 a.m.</b>	Registration - A table will be provided for literature
<b>8:30 a.m.</b>	Continental Breakfast available for all attendees
<b>8:30 a.m.</b>	Breakfast meeting for <b><i>NSF 2009 Climate Change Education Grantees only – Members Room</i></b>
<b>9:00 a.m.</b>	Poster set up
<b>9:30 a.m.</b>	Poster session - <b>Great Hall</b>
<b>12:00 p.m.</b>	Buffet Lunch (provided)

## **Afternoon, March 16**

*Developing synergy and partnerships*

**Location: National Academy of Sciences, 2101 Constitution Ave. NW, Washington, DC**

<b>1:00 p.m.</b>	Q & A –Preparation for Breakout Groups - <i>Members Room</i>
<b>1:30 p.m.</b>	<p>3 Breakout groups – informal education, K-12 and higher education Locations: Members Room, Room 250, and Room 280</p> <p>Each group will be led by a facilitator—with a rapporteur assigned from within the group. Relevant government program officers will be observers and resource people for each breakout group.</p> <p><b>Task:</b> provide a fuller picture of the climate change education in each area. Learn more about each project, key relevant activities, identify opportunities for partnerships and critical barriers to progress.</p> <p><i>a. Who are the members and key learner communities of the groups represented at the meeting?</i></p> <p><i>b. What are the community strengths, assets and needs?</i></p> <p><i>c. What are the challenges --technological, capacity, communication/networkings, institutional and/or national restrictions—to enabling climate literacy within the community?</i></p> <p><i>d. How can the projects work together to meet these challenges?</i></p> <p><i>e. What are shared program goals and metrics?</i></p>

<b>4:00 p.m.</b>	Report out and large group discussion – <i>How can the climate change education community and federal grantees in particular, work in a coordinated way, regionally, nationally and internationally?</i> - Members Room
<b>5:00 p.m.</b>	Closing comments and next steps from NSF – Karen Kashmanian Oates, Deputy Division Director, Undergraduate Education, National Science Foundation

**Evening, March 16:**

*Further Introduction to Climate Change Education Projects*

**Location: American Association for the Advancement of Science, 1200 New York Avenue NW**

<b>5:30 p.m.</b>	<p>Reception and viewing of AAAS exhibit, "<a href="#">Climate Change in Our World</a>," includes large-scale images of existing climate change effects. Environmental photojournalist Gary Braasch's five-foot high photographs illustrate the effects rapid climate change has had around the world. The photographs are part of Braasch's book "Earth Under Fire: How Global Warming is Changing the World."</p> <p>A concurrent exhibit in the AAAS Gallery includes large prints of images from the book "How We Know About Our Changing Climate: Learning and Taking Action on Climate Change," co-written by Braasch and Lynne Cherry. Visitors to the gallery may also view short videos from Cherry's project "<a href="#">Young Voices on Climate Change</a>." The videos show children around the world working with climate scientists and conservation organizations.</p> <p>Remarks from Gary Braasch and Lynne Cherry</p>
<b>7:30 p.m.</b>	Workshop Concludes