

# Climate Change Education Partnership Alliance

## **AGU Fall Meeting 2015 San Francisco, CA**

### **SUNDAY, DECEMBER 13**

#### **Exploration Station**

Exploration Station is a free open house for San Francisco families, teachers and kids (as well as Fall Meeting attendees and their families) to learn about the exciting work currently occurring in the fields of Earth and space science. During the event, participants have a chance to meet scientists, do hands-on science, and take home fun resources collected during their visit. Boy Scouts and Girl Scouts can complete merit badge requirements at the event.

Sunday, 13 December, 1:00 PM – 5:00 PM

Moscone South, 103/104

### **MONDAY, DECEMBER 14**

#### **Integrating Climate Change Science and Sustainability in Environmental Science, Sociology, Philosophy and Business Courses.**

Michel Boudrias, University of San Diego

Session #: ED12A-03

Monday, 14 December 2015: 10:50 AM–11:05 AM

Moscone South; 303

#### **Community, Collective or Movement? Evaluating Theoretical Perspectives on Network Building**

Billy Spitzer, New England Aquarium

Session #: U14A-03

Monday, 14 December 2015: 4:54 PM–5:16 PM

Moscone South; 102

#### **Games Arcade**

Join us at the Games Arcade where you'll have the chance to mingle with and challenge your fellow AGU goers during a hands-on, geo-games extravaganza! As you play, you'll also find out about the innovative ways that scientists are using games to communicate Earth processes and space systems. We'll have a variety of games to choose from, ranging in style from traditional tabletop games to digital activities. Have a game you'd like to recommend? Let us know! Contact: Jessica Brunacini at [jbrunacini@ei.columbia.edu](mailto:jbrunacini@ei.columbia.edu).

Monday, 14 December: 6:00 PM – 8:00 PM

San Francisco Marriott Marquis; Golden Gate A

### **TUESDAY, DECEMBER 15**

#### **Climate Literacy: Improving Climate Literacy through Informal Learning and Citizen Science I**

William Spitzer, New England Aquarium, Co-Chair

Session #: ED21F

Tuesday, 15 December 2015: 8:00 AM–10:00 AM

Moscone South; 103

#### **Does Reality Matter? Social and Science Bases of Public Beliefs about Arctic Change**

Lawrence Hamilton, University of New Hampshire

Session #: U21A-01

Tuesday, 15 December 2015: 8:00 AM–8:15 AM

Moscone South; 102

#### **Approaches to Climate Literacy at the American Museum of Natural History**

Robert Steiner, American Museum of Natural History

Session #: ED21E-04

Tuesday, 15 December 2015: 9:15 AM – 9:30 AM

Moscone South; 103

#### **“Responding to Climate Change” Course: Research Integration**

Stephanie Pfirman, Barnard College and Columbia University, Jeff Bowman, Columbia University

Session #: ED22B-03

Tuesday, 15 December 2015: 10:50 AM – 11:05 AM

Moscone South; 103

# Climate Change Education Partnership Alliance

## **Climate Literacy: Improving Climate Literacy through Informal Learning and Citizen Science II**

William Spitzer, New England Aquarium, Co-Chair

Session #: ED21F

Tuesday, 15 December 2015: 1:40 PM-6:00 PM

Moscone South; Poster Hall

## **Climate Communications: A Strategic Science Translation Approach**

Science does not speak for itself – it requires translation for the public to understand its implications – and yet, it remains important for scientists to contribute to public dialogue on anthropogenic climate change. This session will explore effective ways to frame climate science for non-scientists, recommending tested analogies that lend themselves to explaining extreme weather events, ocean acidification, and more. Co-led by a social scientist from the FrameWorks Institute and an oceanographer from Woods Hole Oceanographic Institution, this session highlights recent communications studies grounded in the social sciences. Examples of successful public engagement in science will be drawn from the National Network for Ocean and Climate Interpretation, a partnership between ocean scientists, social scientists, and informal science educators supported by the National Science Foundation.

Tuesday, 15 December: 1:15 PM – 3:30 PM

San Francisco Marriott Marquis; Sierra I

## **Place in Pacific Islands Climate Education**

Corrin Barros, Pacific Resources for Education and Learning

Session #: ED23B-0859

Tuesday, 15 December 2015: 1:40 PM – 6:00 PM

Moscone South; Poster Hall

## **Who trusts scientists for information about climate change? Nuclear power? Vaccines?**

Lawrence Hamilton, University of New Hampshire Main Campus

Session #: ED23F-05

Tuesday, 15 December 2015: 2:55 PM – 3:10 PM

Moscone South; 102

## **Integrating World Views, Knowledge and Venues in Climate Science Education**

**Elena Sparrow, University of Alaska Fairbanks**, Malinda Chase, Association for Interior Native Educators, Samuel Demientieff, River Journeys of Alaska, Jessica Brunacini, Columbia Climate Center, Stephanie Pfirman, Barnard College

Session #: ED23C-0871

Tuesday, 15 December 2015: 1:40 PM – 2:00 PM

Moscone South; Poster Hall

## **PoLAR Voices: Informing Adult Learners about the Science and Story of Climate Change in the Polar Regions Through Audio Podcast**

**Annie Quinney, Arctic Institute of North America**, Maribeth Murray, University of Calgary, Kelsey Gobroski, University of Alaska Museum of the North, Roger Topp, University of Alaska Museum of the North, Stephanie Pfirman, Barnard College

Session #: ED23C-0864

Tuesday, 15 December 2015: 1:40 PM – 2:00 PM

Moscone South; Poster Hall

## **WEDNESDAY, DECEMBER 16**

### **Climate Literacy in K-12 Classrooms: Challenges, Solutions, and Change I**

Patricia Harcourt, MADE CLEAR, Primary Convener

Session #: ED31F

Wednesday, 16 December 2015: 8:00 AM – 10:00 AM

Moscone South; 303

### **The Practical Integration of Action Research into Building Climate Literacy and Partnership with Key Influentials**

Mica Estrada, University of California San Francisco

Session #: ED32A-02

Wednesday, 16 December 2015: 10:35 AM – 10:50 AM

Moscone South; 303

# Climate Change Education Partnership Alliance

## **[Building National Capacity for Climate Change Interpretation: The Role of Leaders, Partnerships, and Networks](#)**

William Spitzer, New England Aquarium

Session #: ED32A-03

Wednesday, 16 December 2015: 10:50 AM – 11:05 AM

Moscone South; 303

## **[Climate Literacy in K-12 Classrooms: Challenges, Solutions, and Change II](#)**

Patricia Harcourt, MADE CLEAR, Primary Convener

Session #: ED33A

Wednesday, 16 December 2015: 1:40 PM – 6:00 PM

Moscone South; Poster Hall

## **THURSDAY, DECEMBER 17**

### **[Climate Change Games Workshop](#)**

Games are increasingly used in educational settings to help inspire curiosity, creativity, collaboration, optimism, and problem-solving skills among a wide variety of audiences. Serious games address real-world challenges, compress time and space, encourage systems thinking, and promote active engagement, making them particularly well suited to climate change education. In this half day workshop, participants will gain an understanding of how serious games can be integrated into formal and informal learning environments through an introduction to the pedagogy of educational gaming, a hands-on review of climate change game examples, and a mini game jam, which will provide an opportunity for participants to collaboratively design and develop their own game prototypes.

Thursday, 17 December 2015, 1-4pm

San Francisco Marriot Marquis - Golden Gate A

## **FRIDAY, DECEMBER 18**

### **[Better retention through game-play – EcoChains: Arctic Crisis card game](#)**

**Stephanie Pfirman, Barnard College**, Joey Lee, Teachers College, Tanya O'Garra, Columbia University of New York, Elizabeth Bachrach, Goodman Research Group

Session #: ED51C-0821

Friday, 18 December 2015: 8:00 AM-12:20 PM

Moscone South; Poster Hall

### **[Interactive Sea Level Rise App & Online Viewer Offers Deep Dive Into Climate](#)**

**Margie Turrin, LDEO of Columbia University**, David Porter, Columbia University of New York, William Ryan, Lamont -Doherty Earth Observatory, Stephanie Pfirman, Barnard College

Session #: ED53F-04

Friday, 18 December 2015: 2:25 PM – 2:40 PM

Moscone South; 303