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 brunacini@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 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
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 Marriott 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