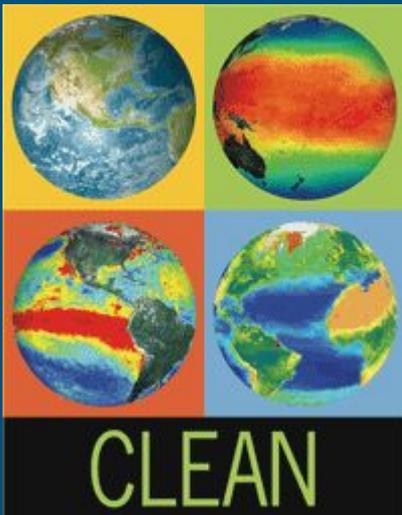


LEADERS4CLIMATE |
COMMUNICATION

In loving memory of
Max Thabiso Edkins,
champion of a "grand
transformation"





CLEAN @ NSTA Coordination

Frank Niepold, NOAA

March 12, 2019 @ 1 PM ET - NSTA Priorities Discussion

Telecon Info:

Tuesday at 1:00pm Eastern Time (12pm
Central, 11am Mountain, 10am Pacific)

Phone: +1 (571) 317-3122, Access Code:
224-400-389

Webinar link:

[https://global.gotomeeting.com/join/2
24400389](https://global.gotomeeting.com/join/24400389)

CLEAN Telecon info:

[https://cleanet.org/clean/community/cln/telecon_
schedule.html](https://cleanet.org/clean/community/cln/telecon_schedule.html)

NATIONAL CONFERENCE ON SCIENCE EDUCATION

NSTA National
Science
Teachers
Association

ST. LOUIS

APRIL 11-14, 2019



Given the increase in importance of climate at NSTA due to the release of the “Teaching of Climate Science” Position Statement could we coordinate our work to increase our impact?

CLEAN Members @ NSTA

- Devarati Bhattacharya, K-16 Stem Education Fellow, University of Nebraska-Lincoln
- Mark Chandler, Research Scientist, Columbia University
- Joseph Levine, Author
- Frank Niepold, Climate Education Coordinator, NOAA Climate Program Office,
- Don Haas, Director of Teacher Programs, Paleontological Research Institution
- Margie Turrin, Education Coordinator, Lamont-Doherty Earth Observatory
- Bruce Moravchik, Education Coordinator, NOAA National Ocean Service
- Jessica Bean, University of California, Berkeley
- Olivia Ahnemann, Producer at Earth Vision Film
- Others

Earth
Vision Film
(James
Balog)

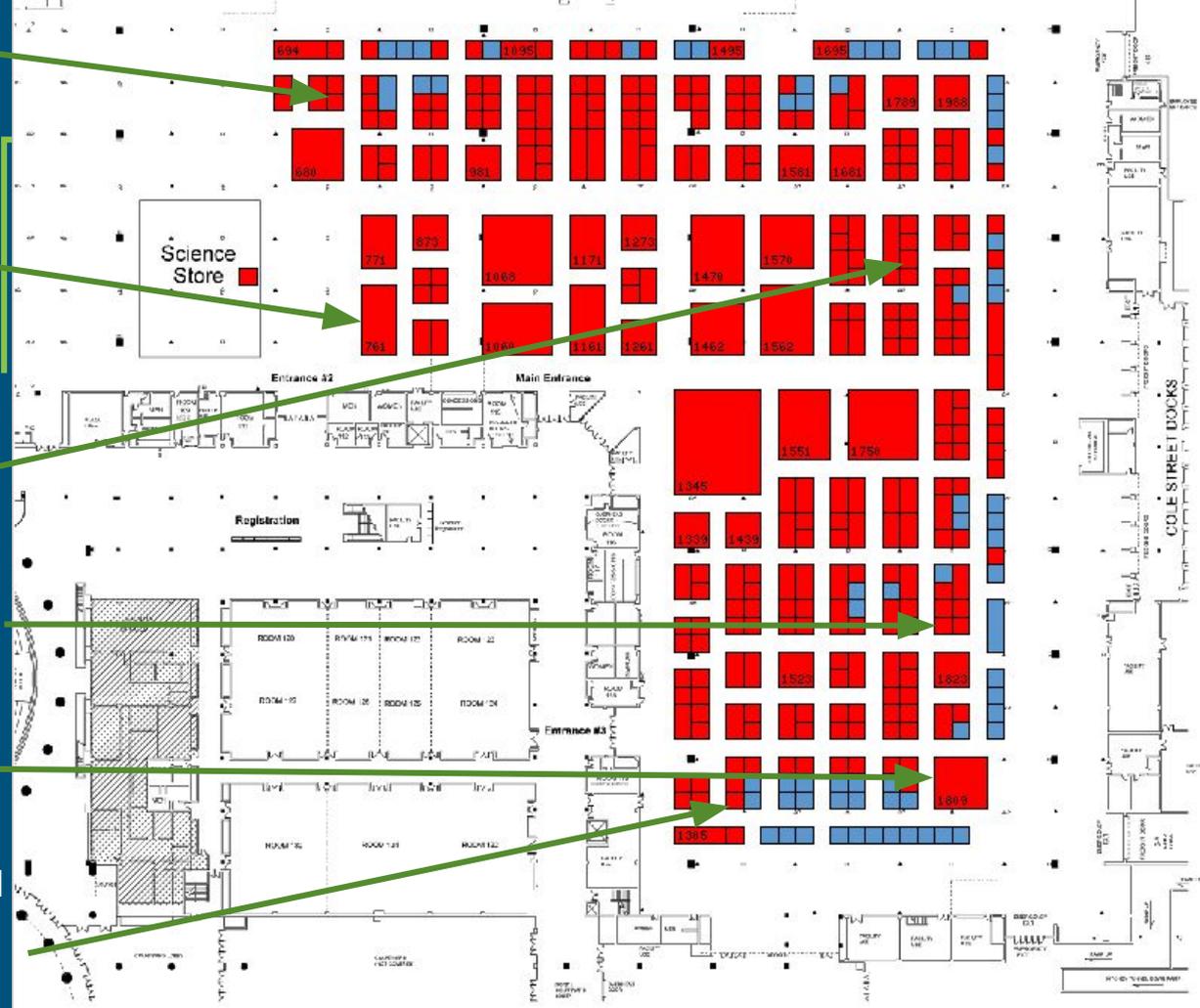
NOAA

National
Center for
Science
Education

PBS Learning
Media/WGBH

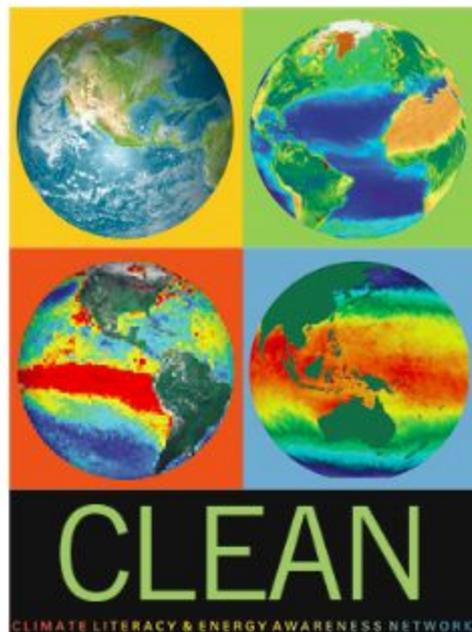
NASA

Paleontological
Research
Institution



NSTA
Exhibitor
Partners

Climate Literacy & Energy Awareness Network



- **CLEAN Collection:** an online database of over 700 free, peer-reviewed, and ready-to-use educational resources, including learning activities, visualizations, videos, and short demonstrations/ experiments, for teaching about climate and energy.
- **CLEAN Network:** a professionally diverse and active community of over 650 members committed to improving climate and energy literacy since 2008.



Join us! www.cleanet.org



Science Education
Resource Center @ Carleton
College



Select Climate Change Related Sessions & Events

Did I miss anything?



Thursday April 11th

- **Using a Global Climate Model, EzGCM, to Promote Understanding of Earth's Changing Climate,** Devarati Bhattacharya, K-16 Stem Education Fellow, University of Nebraska-Lincoln & Mark Chandler, Research Scientist, Columbia University 8:00 AM - 9:00 AM
- **Teaching Weather and Climate with Digital Media, Grades 6–12 (PBS LearningMedia/WGBH),** Shawn Stevens, PBS LearningMedia/WGBH , 10:00 AM - 11:30 AM
- **Beyond Climate: Using Global Change to Teach the NOS (Pearson),** Joseph Levine, Author, 11:00 AM - 12:00 PM
- **NMEA Session: Bridge DATA Series: Sea Level Trends,** Celia Cackowski, Marine Education Specialist, Virginia Institute of Marine Science, 12:30 PM - 1:30 PM

Thursday April 11th

- **NSTA's Position Statement on the Teaching of Climate Change: A New Tool for Up-to-Date Science Teaching**, Frank Niepold, Climate Education Coordinator, NOAA Climate Program Office, Don Haas, Director of Teacher Programs, Paleontological Research Institution, Eric Pyle, Professor, James Madison University, 12:30 - 1:30
- **NSTA Press® Session: What Is the Difference Between Weather and Climate?**, Laura Tucker, Consultant, 2:00 PM - 3:00 PM
- **Learning and Applying Renewable Energy Through a Hands-On PBL Experience**, Heather Berry, Science Teacher, District Sustainability Learning, 3:30 PM - 4:30 PM
- **A STEM Approach to Engineering Design: Wind Turbines and Electric Motors (CPO Science/School Specialty Science)**, Naomi Hartl, School Specialty Science, 4:00 PM - 5:30 PM
- **Using Local Storylines and Large Climate Data Sets to Teach Variability and Trends**, Meredyth Sullivan, Gulf of Maine Research Institute, 5:30 PM - 6:00 PM

Climate and Energy Literacy Related Sessions

Friday April 12th

- **Earth Day 2020: Mobilizing the Future**, Tracey Ritchie, Earth Day Network, 8:00 AM - 8:30 AM
- **Climate Literacy for All: Inspiring Change-Makers**, Joey Scott, Senior Education Specialist, Monterey Bay Aquarium, 9:30 AM - 10:30 AM
- **Students Collecting Data for the GLOBE Urban Heat Island Effect Campaign**, Kevin Czajkowski, GLOBE Scientist, The University of Toledo, 9:30 AM - 10:30 AM
- **NARST-Sponsored Session: Using Modeling to Make Sense of Climate Change and Carbon Cycling in a 10th-Grade Classroom**, Laura Zangori, Assistant Professor, University of Missouri, 9:30 AM - 10:30 AM
- **It's All About Connections: Antarctic Ice to Local Climate**, Margie Turrin, Education Coordinator, Lamont-Doherty Earth Observatory, 11:00 AM - 12:00 PM

Friday April 12th

- **ASTC-Sponsored Session: Lighting the Way with Wind and Solar, Investigations for the Classroom**, Sandra Ryack-Bell, Executive Director, MITS, Inc. (Museum Institute for Teaching Science), 11:00 AM - 12:00 PM
- **NESTA and NOAA Session: NOAA Planet Stewards—Content, Collaboration, and Action**, Molly Harrison, NOAA Planet Stewards Program Mgr., NOAA Fisheries, Bruce Moravchik, Education Coordinator, NOAA National Ocean Service, 11:00 AM - 12:00 PM
- **James Balog's The Human Element**, 1-30 - 3:30 PM
- **Science Denial: Why Is It Increasing? What Can We Do About It? (Pearson)**, Joseph Levine, Author, 12:30 PM - 1:30 PM
- **NESTA and NOAA Ocean, Climate, and Weather Share-a-Thon**, Carla McAuliffe, Senior Curriculum Developer, TERC, 12:30 PM - 1:30 PM
- **Energy Is Blowin' in the Wind**, Kimberly Swan, Program Assistant, The NEED Project, 2:00 PM - 3:00 PM

Friday April 12th

- **An Interactive Approach to Understanding Global Change (HHMI BioInteractive)**, Jessica Bean, University of California, Berkeley, 2:00 PM - 3:30 PM
- **Argumentation and Modeling in Earth Science Using Free Online Modules**, Amy Pallant, Science Education Researcher, The Concord Consortium, 3:30 PM - 4:30 PM

Saturday April 13th

- **Concord Consortium and NESTA Present: High-Adventure Science—Free Simulations Exploring Earth’s Systems and Sustainability Topics**, Amy Pallant, Science Education Researcher, The Concord Consortium, 8:00 AM - 9:00 AM
- **Using Climate Proxies to Learn about Earth’s Climate History (Lab-Aids, Inc.)**, Eric Pyle, Professor, James Madison University, 8:00 AM - 9:30 AM
- **Calling All Carbons (Lab-Aids, Inc.)**, Eric Pyle, Professor, James Madison University, 12:00 PM - 1:30 PM
- **Paul F-Brandwein Lecture: Saving Life, Saving Ourselves**, 12:30 PM - 1:30 PM, Peter Raven, President Emeritus, Missouri Botanical Garden, 12:30 PM - 1:30 PM
- **Our Puzzling Climate: Could Less Arctic Sea Ice Mean More “Snow on Ice”?**, Margie Turrin, Education Coordinator, Lamont-Doherty Earth Observatory, 2:00 PM - 3:00 PM

Sunday April 14th

- Using a Socio-Scientific Issues-Based Approach to Teach NGSS in High School Biology, Patricia Friedrichsen, Professor, University of Missouri, 8:30 AM - 9:00 AM



How can we make the
most of this
opportunity at NSTA?

Thoughts?

