Why Green at 15? Assessing National Environmental Education Systems
2:15 PM–3:45 PM, Room 212
Quantitative Organisation for Economic Cooperation and Development (OECD) data support the analytical power of environmental literacy as a way to consider the efficiency of national environmental education systems.
Presenter(s): Constantinos Yanniris, McGill University; Ralf St.Clair, McGill University
Strand: ●

Exploring Public Attitudes and Information Needs for Marine Conservation Outreach
2:15 PM–2:55 PM, Room 105
A survey was developed to investigate whether demographics and ocean use predict environmental concerns and ocean conservation in Hawaii. Results will be presented that have implications for better design and implementation of outreach on regional, national, and international levels.
Presenter(s): Genevieve Manset, Center for Ocean Sciences Education Excellence Island Earth
Strand: ●

Traditional Presentations
2:15 PM–2:55 PM

Does Environmental Education Change Behavior for Wildlife Conservation?
2:15 PM–2:55 PM, Room 104
Biodiversity conservation is challenging when locals depend on forest resources for subsistence and reserves restrict access, leading to conflict. We hypothesized that environmental education on the economic benefits of biodiversity would have a positive effect on behavior supporting biodiversity conservation.
Presenter(s): Samridhi Shrestha, Arizona State University
Strand: ●

Indigenous Historical and Contemporary Content: Learning/Inclusion of Indigenuity in Environmental Education
2:15 PM–2:55 PM, Room 106
Within the education system educators tend to be exclusive, particularly of indigenous knowledge and ways of knowing. This presentation will propose several ways in which we as environmental educators can include, in a respectful way, indigenous content within spaces such as classrooms, workshops, or museums.
Presenter(s): Jessica Cook, York University/University of Toronto Fall 2014
Strand: ●

Environmental Education is Dead, Long Live Collective Impact!
2:15 PM–2:55 PM, Room 101
Nature hikes and classroom lessons are not enough for EE! Environmental literacy must inspire change for sustainability. This workshop moves beyond traditional EE boundaries to collective impact models that foster systems thinking, collaboration, deep assessment, and holistic living and learning.
Presenter(s): Drew Dumsch, Ecology Education, Inc.; Ryder Scott, University of Maine 4-H Center
Strand: ●

Strand:
● Connecting People to Nature ● Conservation Education and Innovation ● Creating Sustainable Communities ● Teachers
● Greening K–12 and Higher Education ● Leadership and Professional Development ● Using Technology to Enhance EE

Facts & Figures
The Athabasca Glacier is one of the six principal ‘toes’ of the Columbia Icefield, located in the Canadian Rockies. The glacier currently recedes at a rate of about 5 metres (16 ft) per year and has receded more than 1.5 km (0.93 mi) in the past 125 years and lost over half of its volume. It is the most visited glacier in North America.
Roundtable Discussions
2:15 PM–2:55 PM

Connecting New Immigrant Families to Nature in Montreal
2:15 PM–2:55 PM, Room 205/207, Table 1
What do you get when you put a conservation group, a natural history museum, a PhD student in Social Work, a nature educator, and community groups together? The Families in Nature/Familles en nature project—connecting new immigrant families to nature.
Presenter(s): Jacky Farrell, Science Outreach, Redpath Museum, McGill University; Eric Richard, Les Amis de la Montagne
Strand: ●

EE Skills and Knowledge Professionals Need
2:15 PM–2:55 PM, Room 205/207, Table 2
What skills and knowledge are EE professionals craving for their professional development? What challenges are educators facing in incorporating EE in their classrooms and programs? Share your successes and brainstorm with others in this solution focused session.
Presenter(s): Jessica Tomaszewski, College of Natural Resources–Continuing Education, University of Wisconsin–Stevens Point
Strand: ●

Imagining and Creating the Future Should Be Our Task
2:15 PM–2:55 PM, Room 205/207, Table 3
Perhaps because EE is so focused on the problems of the present, we have not paid much attention to the potential "pull" that an attractive vision of the future might have. This session will explore tools for changing the future.
Presenter(s): Richard Kool, Royal Roads University
Strand: ●

Online Environmental Education Training: Lessons Learned and Directions for Moving Forward
2:15 PM–2:55 PM, Room 205/207, Table 4
Join an interactive session to learn about and expand EE Capacity's online training programs. We will discuss our approach to online education, explore our new learning platform, and consider emerging training needs for EE professionals.
Presenter(s): Justin Smith, Cornell University; Marianne Krasny, Cornell University
Strand: ●

Service Learning and Conservation: Youth Stewardship Council
2:15 PM–2:55 PM, Room 205/207, Table 5
Inside the Outdoors Foundation's Youth Stewardship Council is a youth-led initiative that connects classroom lessons and environmental education to service learning projects. This effective model is turning the tide in local communities.
Presenter(s): Lori Kiesser, Inside the Outdoors
Strand: ●

Urban Environmental Education in the Age of Neoliberalism
2:15 PM–2:55 PM, Room 205/207, Table 6
This discussion aims to question the assumption that "wilderness" is present and accessible regardless of context. Participants will explore some urban EE activities to investigate within a city environment how people connect with nature and what "nature" we connect with.
Presenter(s): Sean Blenkinsop; Chloe Humphreys, Simon Fraser University; Laura Piersol, Simon Fraser University; Michael Whitefield Derby, Simon Fraser University; Carlos Ormond, EECOM/Simon Fraser University
Strand: ●

Volunteers—Nurture a Pool of Environmental Leaders
2:15 PM–2:55 PM, Room 205/207, Table 7
Joan Coston and Anne Page have volunteered with the Environmental Volunteers since 1975. Why do they stay? How does this program reach 10,000 students a year? Join a discussion about the successes and challenges of running an impactful volunteer program.
Presenter(s): Brittany Joy Sabol, Environmental Volunteers
Strand: ●
Poster Presentations
2:15 PM–2:55 PM

3a) Carbon Footprints and Behavior Change
2:15 PM–2:55 PM, Room 214
This session will demonstrate and discuss experience translating experiments about behavior change and carbon footprints from university research into a classroom learning experience through the use of a mobile app.
Presenter(s): Mady Tyson, Arizona State University
Strand: ● ●

3b) Connecting Youth to Acadia National Park Through Technology and Evaluation
2:15 PM–2:55 PM, Room 214
Can innovative technology be used to strengthen the connection between youth who visit Acadia National Park and the park’s natural resources? Learn how the Acadia Youth Technology Team explored this question by developing and evaluating technological tools for ranger-led programs.
Presenter(s): Sara Greller, Ku’s TaeKwonDo Academy
Strand: ●

3c) Drawing Learners Outside with Technology: Making and Using Virtual Fieldwork
2:15 PM–2:55 PM, Room 214
Create Virtual Fieldwork Environments (VFEs) that serve as educational resources and to document field study. Making VFEs requires closely studying the environment. This presentation identifies related resources, highlights examples, and explains the educational research supporting VFEs.
Presenter(s): Ingrid Zabel, Paleontological Research Institution; Don A. Duggan-Haas, Paleontological Research Institution’s Museum of the Earth; Robert M. Ross, Paleontological Research Institution
Strand: ● ●

3d) Helping our Students Connect to the Environment via Videoconference
2:15 PM–2:55 PM, Room 214
Our students are the environmental leaders of tomorrow and one way to engage them is through technology. Help our tech-savvy students make that connection to their environment via videoconference. Discover how RBG is reaching urban, rural and remote communities.
Presenter(s): Karin J. Davidson-Taylor, Royal Botanical Gardens
Strand: ● ●

3e) MAKEing the World a Better Place: The Green “MakerSpace”
2:15 PM–2:55 PM, Room 214
When exciting new technologies combine with hands-on traditions, a MakerSpace is born. A Green MakerSpace is where students have a goal of green solutions within an environment of design and building. It’s computer science deepening relationships with the natural world.
Presenter(s): Paul Kelba, Calgary Board of Education
Strand: ● ●

3f) Top-Notched Digital Climate and Energy Teaching/Learning Resources: Accessible Free!
2:15 PM–2:55 PM, Room 214
Learn to use the CLEAN Portal (http://cleanet.org) to find scientifically and educationally reviewed climate and energy teaching and learning resources, for grades 6–16, aligned with the Climate and Energy Literacy Essential Principles and NGSS that help students become environmentally literate.
Presenter(s): Kristen Iverson Poppleton, Will Steger Foundation; Karen S. Hollweg, Retired
Strand: ● ●

Thursday 3:05 PM
The following are all 40-minute sessions that start at 3:05 PM and end at 3:45 PM.

Traditional Presentations
3:05 PM–3:45 PM

Aligning EE Curriculum to NGSS/CCSS to Emphasize Scholastic Achievement
3:05 PM–3:45 PM, Room 103
Need to efficiently align programs to Common Core and Next Generation Science Standards? Learn strategies in curriculum design for today’s standards—demystifying standards, creating educational frameworks, identifying assessment goals, and using backwards design to incorporate these smoothly into curriculum.
Presenter(s): Eaton Dunkelberger, Sierra Nevada Journeys; Sean Hill, Sierra Nevada Journeys
Strand: ●
A Leadership Framework for Leading a Transformation for Environmental Stewardship
3:05 PM–3:45 PM, Room 101
Lead your school’s transformation to a culture of active, responsible ethical citizens empowered to make a difference using four key practices of transformational leadership: setting the direction, building capacity, redesigning the organization and facilitating teaching, and learning through environmental inquiry.
Presenter(s): Deb Rougeau-Bell, Rocky View Schools; Kim Kendal, Rocky View Schools; Kara Vincent, Rocky View Schools
Strand: ●

Making an Emotional Connection: Does Citizen Science Help?
3:05 PM–3:45 PM, Room 104
Kids with strong emotional connections to nature become environmentally-minded adults, but the question remains: How do we foster that emotional connection? Research proposes that sensory-based, experiential learning might be the answer, suggesting that citizen science is the perfect tool.
Presenter(s): Emily Morris, Desert Botanical Garden
Strand: ●

NAAEE’s New Accreditation of College and University EE Programs
3:05 PM–3:45 PM, Room 107
NAAEE’s Accreditation of College and University EE programs provides third party, standards-based recognition of high quality undergraduate and graduate programs. Come hear about this exciting new program and how your college/university can be recognized.
Presenter(s): Courtney Crim, Trinity University; Blanche Desjean-Perrotta, University of Texas, San Antonio
Strand: ●

National Parks Breaking Barriers to Getting Kids and Teachers Outdoors
3:05 PM–3:45 PM, Room 106
Learn successful approaches taken by national parks to engage youth and teachers in nature through partnerships with schools (K–12), families, and community organizations. We discuss barriers and solutions in areas such as awareness, transportation, logistics, outreach, and personal relevance.
Presenter(s): Katherine Chesson, National Park Foundation; Carolyn Hill, National Park Foundation
Strand: ●

Rare—Innovative Social Marketing to Bring About Conservation Behavior Change
3:05 PM–3:45 PM, Room 105
Rare has paired with EDF and UCSB on a global initiative called Fish Forever. Rare uses social marketing to create user rights for conservation and food security. This presentation will report early progress in Belize, the Philippines, and Indonesia.
Presenter(s): Brian A. Day, Rare
Strand: ●

Facts & Figures
Traveling from the frigid waters of Alaska to the tropical seas off Hawaii, Humpback Whales migrate through Canadian waters twice a year. The whales generally follow the coastline and take advantage of seasonal currents during their migrations. In the fall, the whales head south to breed in tropical waters; in spring they return to their northern feeding grounds for the summer. The highly productive waters of British Columbia (B.C.) serve as important feeding habitat for a portion of the Humpback Whale population during these summer months.
Roundtable Discussions
3:05 PM–3:45 PM

Connect with WWF
3:05 PM–3:45 PM, Room 205/207, Table 1
Find out what the World Wildlife Fund (WWF) is doing to help engage and educate people around the globe—from learning tools for high school students about climate impacts to our Education for Nature program for international students.
Presenter(s): Nikhil Advani, World Wildlife Fund; Shaun Martin, World Wildlife Fund
Strand: ●

Coyote and Raven Trouble the “Progress Narrative” in Education
3:05 PM–3:45 PM, Room 205/207, Table 2
In this counterhegemonic performative conversation, ubiquitous tricksters Coyote and Raven ask the conference participants to critically reflect on the shape educational discourses might take when intersected with Indigenous traditional ecological knowledges (TEK) and a shift toward an “economics of localization.”
Presenter(s): Peter Cole, University of British Columbia; Pat O’Riley, University of British Columbia
Strand: ●

3:05 PM–3:45 PM, Room 205/207, Table 3
Come build personal connections through dialogue! With facilitation skills from the Center for Public Diplomacy/ Penn State, we’ll host a dialogue which is open and interactive. Reflect on what inspires you to be an environmental educator. Come and be refreshed!
Presenter(s): Johanna Jackson, Shaver’s Creek Environmental Center
Strand: ●

Socioecological Pedagogy: Integrating Curriculum and Community Within our Biogeophysical Context
3:05 PM–3:45 PM, Room 205/207, Table 4
Socioecological pedagogy promotes holistic systems-thinking for both practitioner and participant by embedding curricular and community interconnections. An intentional integration of scientific, linguistic, hands-on, and arts approaches into place-based studies will be exemplified through urban interpretive signage and collaborative stewardship projects.
Presenter(s): Bonnie L Shapiro, University of Calgary; Polly L. Knowlton Cockett, University of Calgary-Werklund School of Education
Strand: ●

The State of EE in Wisconsin: Policies, Programs, and Partnerships
3:05 PM–3:45 PM, Room 205/207, Table 5
A status report of environmental education in Wisconsin will be provided highlighting key policies, programs, partnerships, networks, and new initiatives. Wisconsin remains a leader in pre-K–12 environmental education programming, and this session will showcase the institutions and efforts behind the programming.
Presenter(s): Jessica Tomaszewski, College of Natural Resources—Continuing Education, University of Wisconsin–Stevens Point; Steven C. Kerlin, University of Wisconsin–Stevens Point; Jeremy Solin, Wisconsin Center for Environmental Education; Rebecca Lee Franzen, University of Wisconsin–Stevens Point
Strand: ●

Poster Presentations
3:05 PM–3:45 PM

4a) The Conservation Benefits of Homestay Experiences: Community Baboon Sanctuary, Belize
3:05 PM–3:45 PM, Room 214
Homestay experiences offer opportunities to understand the complexities of local and global conservation firsthand and can be an inspiring focus for future conservation education work. Join this discussion of how Belizean families and U.S. graduate students contribute to conservation action.
Presenter(s): Jill Korach, Miami University; Christopher Myers
Strand: ●

4b) Effects of Educational Programming on Visitors’ Attitudes Towards Snake Conservation
3:05 PM–3:45 PM, Room 214
A study examining effects of active and passive snake education programs on nature center visitors’ snake conservation attitudes. Results are compared to current herpetological citizen scientists to predict factors lending toward visitors’ willingness to participate in citizen science in the future.
Presenter(s): Sarah Horsley, University of Georgia
Strand: ●
4c) Environmental Education and Conservation: The Cave of the Hanging Snakes  
3:05 PM–3:45 PM, Room 214  
Econciencia is a non-profit organization working in educative programs in rural Mayan zones in the Yucatan Peninsula, Mexico. The community ecotourism project, “The Cave of the Hanging Snakes” shows the role of environmental education in conservation.  
Presenter(s): Arturo Miramontes, Econciencia A.C.  
Strand: ●

4d) Improper Fishing in Nigeria: Implications for Environmental Education  
3:05 PM–3:45 PM, Room 214  
Partners for Environmental Education (PEEN) moved to the Niger Delta in Nigeria to create awareness on improper fishing methods. More than a hundred fishermen and women attended the programme. Different environmental education strategies were used to effect conservation behavioral change.  
Presenter(s): Akuego Jane Madumere, Federal College of Education Omoku, River State, Nigeria  
Strand: ●

4e) Lessons From the Field: Successful Citizen Science Projects with Students  
3:05 PM–3:45 PM, Room 214  
Recently, we’ve made a concerted effort to incorporate citizen science projects into our programming. Join us as we explore which projects were most successful, how to manage student data, and how to motivate and adequately prepare our education staff.  
Presenter(s): Estrella Risinger, NatureBridge; Meg Jakubowski, NatureBridge  
Strand: ●

4f) Make the Switch—Mass Audubon’s Green Electricity Initiative  
3:05 PM–3:45 PM, Room 214  
Make the Switch is Mass Audubon’s effort to use its statewide membership to take meaningful action against climate change. Through media, exhibits, and our nature centers, we aim to inspire members to choose green electricity for their homes and communities.  
Presenter(s): Kris Scopinich, Mass Audubon  
Strand: ●

4g) My School’s Energy Diet  
3:05 PM–3:45 PM, Room 214  
Junior and high school students learn climate, ocean and environmental literacy through standards-based classroom activities, and then conduct school energy audits, prepare budgets, and propose energy efficient solutions to green their schools. The best proposals will be presented to school districts boards.  
Presenter(s): Rocio Lozano-Knowlton, NOAA Channel Islands National Marine Sanctuary  
Strand: ●

Thursday 4:00 PM

The following are all 40-minute sessions that start at 4:00 PM and end at 4:40 PM.

Traditional Presentations

4:00 PM–4:40 PM  
Deepening Environmental Education in Preservice Programs  
4:00 PM–4:40 PM, Room 101  
How can teacher educators deepen environmental learning for preservice students? Drawing on the collective experience of Canadian faculties of education, this highly interactive session shares creative strategies and practical ideas from a new resource guide that aims to deepen environmental education in preservice education.  
Presenter(s): Paul Elliott, Trent University; Douglas D. Karrow, Brock University; Hilary J. Inwood, Ontario Institute for Studies in Education, University of Toronto; Susan Jagger, Ontario Institute for Studies in Education, University of Toronto; Maurice DiGiuseppe, University of Ontario Institute of Technology; Erin Sperling, Ontario Institute for Studies in Education, University of Toronto; Andrea Russell, Natural Curiosity; Dr. Eric Jackman, Institute of Child Study Laboratory School  
Strand: ●

emammal—Balancing Rigorous Large-Scale Citizen Science with Participant Learning  
4:00 PM–4:40 PM, Room 104  
emammal addresses three concerns: wildlife conservation, urbanized societies losing connection with nature, and the need for informal science education. We address these with a wildlife monitoring program that engages citizens to run camera traps, publicly available data, and classroom outreach.  
Presenter(s): Tavis Forrester, Smithsonian Institution  
Strand: ●
Engaging Disadvantaged Adolescents in Sustainable Community Development through STEM Mentoring
4:00 PM–4:40 PM, Room 105
Through participation in STEM mentoring programs, at-risk adolescents are making positive contributions towards the environmental, social, and economic health of disadvantaged communities. Attendees will explore innovative, evidence-based state and national programs that empower a new, diverse generation of environmental leaders.
Presenter(s): Jonathan Mayer, University of Florida/Institute of Food and Agricultural Sciences Extension Service
Strand:

Environmental Literacy Plans: Measuring Success
4:00 PM–4:40 PM, Room 102
How are you measuring success of environmental literacy plans? Colorado is using online tools to evaluate access to EE at state and community levels. Discuss, brainstorm, and share success stories that help us evaluate and communicate the impact of EE.
Presenter(s): Katie M. Navin, Colorado Alliance for Environmental Education; Susan McGuire, McGuire Consulting
Strand:

Footholds for Embedding EE in Preservice Teacher Education
4:00 PM–4:40 PM, Room 107
This presentation will identify and describe foundational and dependable steps educational reformers can take to incorporate Environmental Education in preservice teacher education programs.
Presenter(s): Fletcher Brown, University of Montana
Strand:

Implementing a Professional Learning Model for Outdoor Science Educators
4:00 PM–4:40 PM, Room 106
Learn about the development of a professional learning program based on the latest research on teaching and learning in the outdoors. Hear how Lawrence Hall of Science’s Better Environmental Education Teaching, Learning, Expertise, and Sharing (BEETLES) project involved fifteen California residential outdoor science schools in implementing this model.
Presenter(s): Kevin Beals, Lawrence Hall of Science, BEETLES; Lynn Barakos, BEETLES
Strand:

Linking Environmental Literacy and the Next Generation Science Standards
4:00 PM–4:40 PM, Room 103
With the recent publication of the Next Generation Science Standards, educators are mapping their curriculum and developing strategies for implementation. But how do environmental literacy and NGSS intersect? Hear about a tool that highlights linkages between NGSS and environmental literacy.
Presenter(s): Bora Simmons, National Project for Excellence in Environmental Education
Strand:

MyActions: Social Media Innovation for the Planet!
4:00 PM–4:40 PM, Room 108
MyActions is an innovative platform that leverages the power of social media for the planet. Users share their conservation behaviors in real-time, engage with each other, and can see their combined impact in reduced carbon emissions while raising money for conservation!
Presenter(s): Julie Henry, The Pulse Team; Bill Street, SeaWorld
Strand:

Stop, Look, Listen: Future Teachers Think About Science and Teaching
4:00 PM–4:40 PM, Room 204
Students become agents of change as they tackle issues related to water and the environment. A community-based learning course enables preservice science teachers to work with environmental educators as they develop high school service learning projects.
Presenter(s): Carolyn Viviano, Loyola Marymount University
Strand:

Values, Beliefs, and Norms in Animal-Themed Programs: A Multiple-Case Study
4:00 PM–4:40 PM, Room 203
My research compares animal-themed education programs at three facilities with different institutional values. This work contributes to our understanding of the relationship between institutional mission, values-based educational messages, and learner outcomes.
Presenter(s): Susan Caplow, University of North Carolina-Chapel Hill
Strand:
What Constitutes Valuable Professional Development: A Case Study with Project Learning Tree
4:00 PM–4:40 PM, Room 213
New science standards for teachers have made professional development a valuable form of teacher education. This session will look at the most effective factors within professional development workshops of New York Project Learning Tree and provide recommendations for future science PD. Presenter(s): Beth Folta, State University of New York–College of Environmental Science and Forestry; Betsy Ukeritis, New York State Department of Environmental Conservation; Sara Velardi, State University of New York–College of Environmental Science and Forestry

Roundtable Discussions
4:00 PM–4:40 PM

Connecting Families to Nature with PLT
4:00 PM–4:40 PM, Room 205/207, Table 1
Nature is a great teacher, and you don’t need to be a naturalist to experience the outdoors with kids. Come see how Project Learning Tree is helping families connect kids to nature through fun, easy-to-do activities. Presenter(s): Jaclyn Stallard, Project Learning Tree

Cultivating Students’ Knowledge of Community-Based Food Systems Through Community Connections
4:00 PM–4:40 PM, Room 205/207, Table 2
Via campus-community partnerships in three service-learning courses—Sustainability Education, Creating Sustainable Communities, and Environmental Interpretation—students at the University of Vermont learn about and experience the sustainability aspects of food systems, food security, and community-based agriculture in Burlington, VT. Presenter(s): Thomas R. Hudspeth, University of Vermont Environmental Program

Networking Partnerships to Create Authentic EE Experiences in a Title One Elementary School
4:00 PM–4:40 PM, Room 205/207, Table 3
Creating authentic EE experiences for elementary school children and their families is a challenge, especially in a Title One elementary school with a diverse population that includes many families with little or no connection to the natural world of our community and state. Presenter(s): Julius Scott, Academy of Environmental Sciences at Dutch Fork Elementary; Douglas F. Williams, Academy of Environmental Sciences of Dutch Fork Elementary

Positive Messaging: Getting Beyond the Doom and Gloom
4:00 PM–4:40 PM, Room 205/207, Table 4
Environmental problems can seem as overwhelming to students and the public. Much of the problem is because of negative messaging that is inherently fear-laden. Positive messaging is essential to create empowerment in solving environmental problems. Presenter(s): Richard R Jurin, University of Northern Colorado

Unpacking EECapacity, EPA’s National Environmental Education, and Training Program
4:00 PM–4:40 PM, Room 205/207, Table 5
Now in its fourth year, EECapacity is advancing in its efforts to increase innovation in the field of EE by linking diverse professionals. Meet the Leadership Team, and learn how you can become involved in professional learning and networking opportunities. Presenter(s): Akiima Price, Akiima Price Consulting; Judy Braus, North American Association for Environmental Education; Marianne Krasny, Cornell University; Jose Marcos-Iga, Environmental Education Exchange; Anne Umali Ferguson, Cornell University
Using NASA Resources to Enhance Outdoor Environmental Education
4:00 PM–4:40 PM, Room 205/207, Table 6
Learn about and discuss implementation of an instructional module to teach students about local and global water issues and get them outdoors collecting data, created through a collaboration between NASA's Global Precipitation Measurement Mission and the Montgomery County (Maryland) Outdoor Education Program.
Presenter(s): Kristen Weaver, NASA GSFC & USRA/GESTAR
Strand: ●

Would You Drive 55 to Create a Sustainable Future?
4:00 PM–4:40 PM, Room 205/207, Table 7
Learn why and how Drive 55 Pledge campaigns on college campuses can contribute to a sustainable future. Then, work with other participants to strategize how your organization can bring Drive 55 initiatives to college and university campuses.
Presenter(s): Susan Gentile, Antioch University; Allen J. Davis, 350.org
Strand: ●

Poster Presentations
4:00 PM–4:40 PM

5a) Building Capacity Through Informal Community-Based Climate Change Learning
4:00 PM–4:40 PM, Room 214
Through a youth-based after-school program, a neighborhood-wide communications campaign, and exposure at community festivals and online, residents learn about community-level responses already underway that are preparing their city for climate change while also improving the community’s quality of life.
Presenter(s): Raluca Ellis, The Franklin Institute
Strand: ●

5b) The Desert Oasis Teaching Garden: Cultivating Ideas That Grow
4:00 PM–4:40 PM, Room 214
The Desert Oasis Teaching Garden teaches how growing food can sustain our bodies, our minds, and our planet. Our blossoming experiment in ecological restoration and locally adapted agriculture thrives on one acre of recovering high desert land in Albuquerque, New Mexico.
Presenter(s): Karen Temple-Beamish, Albuquerque Academy
Strand: ●

5c) The G5 Legacy Project: This Changes Things for Good
4:00 PM–4:40 PM, Room 214
An innovative application of place-based, project-based and service-learning results in a public school without walls, where G5 students work with graduate level scientists at University of Texas–Austin, and self-select extended field projects that connect their interests to required state standards.
Presenter(s): Trevor Hance, Laurel Mountain Elementary
Strand: ●

5d) Homelessness as Bounded Place: Social/Ecological Justice Research on the Margins
4:00 PM–4:40 PM, Room 214
Using maps and video clips from field research on homelessness as well as interactive discussions, I will examine homelessness through four complex, inter-dependent, interactive, and mutually enforcing facets: geographically, temporally, socially, and civically.
Presenter(s): Marc Spooner, Faculty of Education, University of Regina
Strand: ●

5e) Phenomenological Study of Sustainability: NAAEE Workshop Participants’ Experiences and Beliefs
4:00 PM–4:40 PM, Room 214
Participants attending the “Education for Sustainability Workshop” during the NAAEE 42nd Annual Conference were interviewed about their experiences, practices, and barriers in implementing sustainability education. The emerged themes promote discussion on enhancing the professional development of preservice and in-service teachers.
Presenter(s): Jennifer Morales, Florida International University; George E O’Brien, Florida International University
Strand: ●

5f) A Sustainable Community Public-Private Collaborative for Improving Environmental Literacy
4:00 PM–4:40 PM, Room 214
The Santa Clarita Environmental Education Consortium (SCEEC) is a sustainable, public-private collaborative model other communities can adopt to develop the resources needed to promote environmental literacy in K–12 schools and provide the leadership needed to enhance local sustainable development practices.
Presenter(s): Michael Haro, Lockheed Martin/Santa Clarita Environmental Education Consortium; Jia-Yi Cheng-Levine, College of the Canyons
Strand: ●
Thursday 5:00 PM
Plenary Panel
5:00 PM–6:30 PM, Canada Hall 1

DANNY EDELSON, STARR LONG, BONNIE STEWART, DANNI WASHINGTON
MODERATOR: JAMIE HERRING

From MOOCs to Mobile: Building Technology Literacies for Advancing EE

Danny Edelson has dedicated his career to improving young people’s understanding of the world they live in and their role in determining its future. As National Geographic’s vice president for education, he oversees outreach to educators and efforts to improve geographic and geoscience education in the United States and abroad. This work includes creating educational materials, delivering professional development for educators, implementing public engagement programs, advocating on behalf of geographic education, and grant-making to support geographic literacy initiatives throughout the United States and Canada.

Edelson began his education career as a researcher in learning technologies with a focus on environmental and geographic education. Prior to joining National Geographic in 2007, he was a professor in education and computer science at Northwestern University for 14 years. While there, he created and published both software and textbooks for schools, including My World GIS™, a geographic information system for grade 6 through college; "Investigations in Environmental Science," a case-based environmental science textbook for high school; and project-based earth science units for middle school science programs. He also led several large-scale instructional reform efforts in the Chicago Public Schools.

Edelson has written extensively on motivation, classroom teaching and learning, educational technology, and teacher professional development. He received his Ph.D. in computer science (artificial intelligence) from Northwestern University and his B.S. in engineering sciences from Yale University.

Starr Long has been making video games for twenty years. Starr began his career in 1992 with Richard Garriott at the legendary studio Origin Systems, where he was the Director of Ultima Online, the longest running Massively Multiplayer Online in history. In 2010, UO was inducted into the Online Game Developers Conference Hall of Fame, the first MMO to be so honored.

In 2000 Starr co-founded Destination Games with the Garriott brothers, which was acquired by NCsoft later than year. In 2008 Starr was named one of the Top 20 Most Influential People in the MMO Industry by Beckett Massive Online Gamer Magazine.

In 2009 he joined The Walt Disney Company as an Executive Producer, where he produced the Disney Parent App for Facebook, eight learning mini-games in Club Penguin, Club Penguin mobile 1.0, five educational game apps for iOS, and the Disney Connected Learning Platform. Starr is now Executive Producer on the crowd funded and crowd sourced RPG Shroud of the Avatar at Portalarium. He also has his own video game consulting company: Stellar Effect.

Bonnie Stewart is an educator and social media researcher fascinated by who we are when we’re online. A longtime teacher and writer on open online education possibilities, Bonnie has spent the last 15 years exploring the intersections of knowledge and technology. She’s worked with Massive Open Online Courses (MOOCs) since their early days in Canadian experimental education circles.

Bonnie is a PhD candidate in Educational Studies and a Bombardier CGS doctoral scholar through Canada’s Social Science & Humanities Research Council (SSHRC).

A Prince Edward Islander by birth, Bonnie has lived and taught on all three coasts of Canada and in Eastern Europe and Asia. She returned to the red mud of PEI almost a decade ago, where she teaches technologies, literacies, communications, and educational foundations at UPEI.

A Miami native with Jamaican roots, Danni Washington is a passionate oceans advocate and science communicator. Danni graduated from the University of Miami Rosenstiel School of Marine & Atmospheric Science with a B.Sc. in Marine Science/Biology. She is
the co-founder of The Big Blue & You—a non-profit organization dedicated to inspiring and educating youth about ocean conservation through the arts and media. She also served four years as a naturalist at the Marjory Stoneman Douglas Biscayne Nature Center. Danni is a seasoned on-camera personality with Untamed Science and most recently, Ocean GEMS, a multimedia series and outreach program connecting youth with marine scientists mentors and role models inspiring them to pursue careers in marine science. Last summer, Danni co-starred with Jaden Smith in a video that introduced cutting-edge information and lesson plans for educators about global change inspired by the theatrical film, After Earth, starring Jaden and his dad Will Smith.

Danni is a Together Green Fellow and has led over 15 youth leadership workshops. When she isn’t snorkeling with whale sharks or scuba diving with giant manta rays, Danni is on a never-ending expedition of global travel, promoting a fearless and self-accepting life for women and young girls of her generation.

**Moderator Jamie Herring**, is the President of HabitatSeven and its chief storyteller. His work focuses on digital media and environmental education specifically dealing with issues related to conservation biology and climate change. Clients have included the White House, the Gates Foundation, NASA, NOAA, the World Resource Institute, and the IPCC. Prior to forming HabitatSeven, Jamie was a Ph.D. candidate in the department of Natural Resources at Cornell University where he specialized in environment and information sciences.

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**Thursday 6:30 PM**

**Community Climate Change Fellows Reception**

6:30 PM–8:30 PM, Room 202

By invitation.

**Thursday 7:00 PM**

**Networking Opportunities**

**Meet and Greet: Informal and Friendly Networking Dinner for New and Emerging Professionals**

7:00 PM, Meet at the front entrance to the convention centre to walk to Byward Market

After a full day of conference sessions, join other emerging environmental educators from across North America for an informal dinner and drinks in Ottawa’s famed Byward Market. Have a pint or other refreshing drink, make new friends, and find out about your colleagues’ exciting projects. Please RSVP at the registration desk.

**Made in Canada: An Environmental Education Networking Event**

**Thursday, 7:00 PM**

**Ottawa Municipal Campground Forest School, 411 Corkstown Road (bus departs from the front entrance to the convention centre)**

This informal gathering in the woods at Canada’s newest Forest School (about 15 minutes from downtown) features food, drink, and live music around the campfire...and a unique opportunity to connect with and learn from Canada’s finest environmental educators. RSVP required, but please check at the registration desk for last-minute event sign-ups (as space allows) or driving directions if needed.

Presented by EECOM: The Canadian Network for Environmental Education and Communication, the Sustainability and Education Policy Network, Forest School Canada, the Canadian Wildlife Federation, and GreenLearning Canada.
WHY I LOVE TEACHING AT ANTIOCH UNIVERSITY NEW ENGLAND:

Dear Prospective Student,

I cannot say enough about the caliber of our graduate students and what a gift it is to teach environmental education (EE) at Antioch University New England. Teaching here is truly one of the best experiences of my life. This community inspires me to make a difference in the world. I have taught in a wide array of settings and one thing that sets teaching at Antioch apart is that every student and faculty member brings creativity, passion, intelligence and playfulness to the learning process. We are all committed to learning and making the world a better place to live, work and play. Here are a few examples of past and present EE students who serve as a source of inspiration:

• Sam successfully funded a Kickstarter project to support a traveling native butterfly exhibit throughout New England;
• Karen is committed to increasing access to healthy food and spent a summer in South America for her EE internship;
• Kim is completing her internship in Boston, driven by her passion for teaching EE in urban contexts;
• Anne serves in a leadership role at the world’s premiere hands-on science museum, the Exploratorium (http://www.exploratorium.edu/);
• Susan, now works at the Missouri Botanical Garden with an EE program that uses hand-held mobile devices to engage 21st century learners in the out-of-doors.

Can you imagine being surrounded by such inspiration every day? If so, then come join us!

I look forward to meeting you!

Libby McCann, Ph.D.
Core Faculty & Director, Environmental Education
Department of Environmental Studies
emccann@antioch.edu

Antioch University New England offers an Environmental Studies Master of Science degree with six concentrations, along with a resource management and conservation MS degree and a PhD in environmental studies. Learn more at www.antioch.edu.
Friday Daily Schedule

**Strands**

- Connecting People to Nature
- Conservation Education and Innovation
- Creating Sustainable Communities
- Greening K–12 and Higher Education
- Leadership and Professional Development
- Using Technology to Enhance EE
- Appropriate for teachers

**Friday 8:00 AM**

**Networking**

Morning Networking with the Natural Start Alliance 8:00 AM–9:10 AM, Room 108

Start your morning with juice, coffee, and conversation with early childhood environmental educators. This informal gathering will give you an opportunity to meet others who work with young children, share ideas, and learn about some of the things happening throughout the Natural Start Alliance.

**Presenter(s):** Christy Merrick, Natural Start Alliance, North American Association for Environmental Education; Betty Olivolo, Natural Start Alliance, North American Association for Environmental Education

**Strand:** ✨

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**Friday 8:30 AM**

**Symposia**

8:30 AM–10:00 AM

Growing with the Profession—Reflections from EE Leaders 8:30 AM–10:00 AM, Room 215

Join retired/retiring EE leaders as they reflect on their careers, NAAEE involvement, changes in the field—and suggest ways to advance your career, your professional development work, and our profession. A unique opportunity to ponder our origins and “next chapters” for EE.

**Presenter(s):** Diane C. Cantrell, Retired; Rosanne W. Fortner, The Ohio State University, Retired; Susan Toth, Pine Jog Environmental Education Center; Karen S. Hollweg, Retired

**Strand:** ✨

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State Policy and the Next Generation Science Standards: Advancing EE at the State Level 8:30 AM–10:00 AM, Room 210

The Next Generation Science Standards promise to dramatically change K–12 science education in the US. However, the transition to the new standards may not occur widely and quickly. This symposium explores opportunities to advance EE through implementation of the NGSS at the state level.

**Presenter(s):** Laura Downey, Kansas Association for Conservation and Environmental Education; James L Elder, Campaign for Environmental Literacy; Bora Simmons, National Project for Excellence in Environmental Education; Gerald A Lieberman, State Education and Environment Roundtable; Juan-Carlos Aguilar, Georgia Department of Education

**Strand:** ✨
Hands-on Presentations
8:30 AM–10:00 AM

Explore Life History Using Experiential Learning
8:30 AM–10:00 AM, Room 102
Use experiential learning to engage your students while exploring the life history of animals. This session will include interactive examples and you will walk away with ideas for creating your own life-sized game where students experience a day in the life of any given organism.
Presenter(s): Mindy McCallum Brooks, Louisiana State University AgCenter’s Youth Wetlands Program; Heather Niemic, Louisiana State University AgCenter
Strand:  ●

How to Integrate Environmental Education Within K–12 Education
8:30 AM–10:00 AM, Room 211
Teachers interested in learning how to implement environmental education in K–12 education will be introduced to a variety of integrated curriculum models, including: infusion, multidisciplinary, interdisciplinary, and transdisciplinary models. The pros and cons of each model will be discussed.
Presenter(s): Douglas D. Karrow, Brock University; Xavier Fazio, Brock University
Strand:  ●

Igniting Inquiry Fever
8:30 AM–10:00 AM, Room 213
How can you get participants so excited about exploring nature that they are eager to investigate on their own? We’ll share and model simple transformative tools and approaches that empower participants to directly engage with nature anywhere.
Presenter(s): Kevin Beals, Lawrence Hall of Science, BEETLES (Better Environmental Education Teaching, Learning, Expertise, and Sharing); Lynn Barakos, BEETLES
Strand:  ●

Planning and Designing Outdoor Learning Spaces
8:30 AM–10:00 AM, Room 204
Every school has the potential for outdoor learning spaces. We will focus on a proven planning process for assessing your site, establishing a planning team, and coordinating the outdoors to your curriculum. A planning packet, already started, will go with you after the session.
Presenter(s): Herb W. Broda, Ashland University
Strand:  ●

Toilet to Tap: A New Water Conservation Program
8:30 AM–10:00 AM, Room 202
Discover how this education program is debunking the “yuck factor” in drinking purified wastewater. Go on a live video-conference tour of a Los Angeles water recycling facility, explore water recycling technology, and enjoy a taste sample of recycled water.
Presenter(s): Darryl Ramos-Young, West Basin Municipal Water District
Strand:  ●

Bright Spots and Great Ideas
8:30 AM–10:00 AM
Learn about four or five successful and loosely related programs in each 90-minute Bright Spots and Great Ideas session.

Group A
8:30 AM–10:00 AM, Room 203

Bringing the Outdoors Indoors—Digitally
Tired of collecting “samples of nature” to bring into the classroom for study? Want to push your students’ thinking in nature studies? Check out these strategies for using tablets and phones for a different kind of “collecting.”
Presenter(s): Jeff Scott, Nipissing University; Astrid Steele, Nipissing University
Strand:  ●

Building Capacity for Environmental Education Using Geospatial Technology
We will share our strategies, challenges, and successes to support regional environmental geospatial inquiries using the National Geographic FieldScope online tool, including facilitating multi-partner resource development, linking field and map data, integrating sustainable school efforts, and enhancing citizen science.
Presenter(s): Cathlyn Sty lin ski, University of Maryland Center for Environmental Science; Elena Shina Takaki, National Geographic
Strand:  ●
Connecting International Primary School Classrooms Through Science, Gardens, and Technology
The IUPUI Center for Earth and Environmental Sciences has delivered environmental science programming to more than 15,000 4th–9th graders. We will describe our latest project with students in Kenya and the USA collaborating via the Internet to analyze data from school gardens.

Presenter(s): Elizabeth Johnson, Pamela Martin, and Brian Joseph Plankis; Indiana University-Purdue University Indianapolis (IUPUI) Center for Earth and Environmental Science

Strand: ●

Digital Storytelling for Transformative Environmental Education
Our research is an analysis of a middle/high school curriculum that integrates technology and storytelling to connect students globally in exploring climate change. We investigate the challenges and possibilities of using digital storytelling for collaborative and transformative environmental education.

Presenter(s): Lorna McLean, University of Ottawa; Hoa Hue Truong-White, University of Ottawa

Strand: ●

Group B
8:30 AM–10:00 AM, Room 212

Capacity Building Within Your State: Best Practices and Experienced-Based Lessons from the EECapacity State Consortia
This session presents the work of five different State EE Consortia. Highlights include successful examples of initiatives, current circumstances, processes for overcoming obstacles and building capacity through grass roots efforts best suited to the needs of each state and the communities they represent.

Presenter(s): Carrie Samis, Maryland Coastal Bays Program

Strand: ●

South Carolina State Consortium: Developing a State Consortium Work Plan
We'll briefly introduce the EECapacity State Consortium project and describe how an organization with no formal EE training became a key partner in building EE capacity in South Carolina. Learn what steps were needed to bring our state consortium plan to fruition.

Presenter(s): Lauren Marie Ponder, South Carolina National Heritage Corridor

Wisconsin State Consortium: Initiatives and Process of a Current Consortium
We'll share three goals of Wisconsin's State Consortium work plan, along with highlighting specific initiatives. Topics include a statewide organizations status and needs survey, PD, and initiatives aligned with the state strategic plan, and networking and advocacy through EEinWisconsin.org and other mechanisms.

Presenter(s): Steven C. Kerlin, University of Wisconsin-Stevens Point

Kentucky State Consortium: Lessons Learned and Pitfalls to Avoid
This presentation describes some of the most common mistakes made while forming and facilitating a State Consortium for EE. We will examine what not to do and ways to remedy situations based on anecdotal information from Consortium Leaders across the country.

Presenter(s): Jennifer Hubbard-Sanchez, Kentucky State University

Maryland State Consortium: Momentum—How to Build It, How to Keep It Rollin’
As one of the first EECapacity State Consortia, Maryland stumbled a bit, lost some partners, gained others, sought additional funding, focused efforts, and continued to move forward—sometimes efficiently, sometimes oh-so-slowly. But what’s important is that we continue this work.

Presenter(s): Carrie Samis, Maryland Coastal Bays Program

Pennsylvania State Consortium: First Year Crawling and Focused Momentum
Hear a first year State Consortia perspective on how we crawled before we talked, while making progress during the formative stages of our community of learners, gained momentum to focus our collaboration on their EE needs, and increased our communications.

Presenter(s): Robert E. Hughes, Eastern PA Coalition for Abandoned Mine Reclamation (EPCAMR)
Traditional Presentations
8:30 AM–9:10 AM

City Parks as Classrooms: Engaging Urban Schools in Environmental Education
8:30 AM–9:10 AM, Room 101
City parks can be vibrant classrooms. Informal and formal educators can partner to provide hands-on standards aligned programming using this local resource. The High School Urban EcoStewards program, which meets curricular goals and gets urban youth outside, will be highlighted.
Presenter(s): Marijke Hecht, Pittsburgh Parks Conservancy
Strand: ●

Connecting People to Nature Using the Earth Charter
8:30 AM–9:10 AM, Room 103
In this session we will present an Environmental Education Graduate Program at Universidad Metropolitana in Puerto Rico that particularly promotes a bio-sensible culture. The Program is based on the Earth Charter’s principles and has a multiple and interdisciplinary educational approach.
Presenter(s): Alida Ortiz-Sotomayor, Metropolitan University; Maria A.Vilches, Universidad Metropolitana
Strand: ●

Connecting Teachers to Nature as Co-Researchers
8:30 AM–9:10 AM, Room 105
Starting with the partnership between the David Suzuki Foundation and local communities of teachers, this session explores an effective professional development strategy that engages teachers as co-researchers to collaboratively design learning experiences for students in nature, providing a foundation for inspired, responsible citizenship.
Presenter(s): Jess Clausen, David Suzuki Foundation; Pamela Miller, Toronto District School Board
Strand: ●

Integrating Teacher and Student Learning in Watershed Science Education
8:30 AM–9:10 AM, Room 107
Quantifiable learning gains from our 3-year NOAA BWET grant providing "Meaningful Watershed Education Experiences* to 3rd–5th grade students and their teachers in central Virginia.
Presenter(s): Dan Cohen, Claytor Nature Study Center of Lynchburg College; Greg K. Eaton, Claytor Nature Center of Lynchburg College
Strand: ●

Pre-Visit Videoconference: Enhancing Your Field Trip Experience
8:30 AM–9:10 AM, Room 106
Imagine being introduced to the natural science concepts and environmental issues before you get to the outdoor centre; enhancing your students’ motivation and engagement while there. Why not do some of that ground work via interactive videoconference? Discover how.
Presenter(s): Nancy McGee, Toronto and Region Conservation Authority; Karin J Davidson-Taylor, Royal Botanical Gardens
Strand: ●

Reenvisioning EE: Building Cultural Capacity and Surfacing Unique Narratives
8:30 AM–9:10 AM, Room 104
We describe findings from the EECapacity project attempting to reenvision EE. Results suggest interest in a community of practice across the spectrum of EE, youth and community development, recognizing multiple approaches, boding well for a new EE paradigm.
Presenter(s): Marianne Krasny, Cornell University; John Fraser, New Knowledge Organization; Rupu Gupta, New Knowledge Organization
Strand: ●
Roundtable Discussions
8:30 AM–9:10 AM

Awareness, Knowledge, and Attitude About Environmental Pollution: South African Teacher’s Perspective
8:30 AM–9:10 AM, Room 205/207, Table 1
In this study, the level of AKA of South African secondary school teachers about environmental pollution was investigated. Participants were sampled from two provinces. The results obtained, recommendations and suggestions for further research will be discussed.
Presenter(s): Adejoke Christianah Olufemi, Tshwane University of Technology, Pretoria, South Africa

(How) Can Schoolyard Pedagogy Impact Students’ Pro-Environmental and Pro-Social Knowledges?
8:30 AM–9:10 AM, Room 205/207, Table 2
This presentation will experientially engage participants in an exploration of how schoolyard pedagogy impacts students’ pro-environmental and pro-social behaviours. Session participants will receive information on project implementation, funding sources, relevant research, sample lesson plans, and resources of “best practice.”
Presenter(s): Mary Breunig, Brock University

How Inquiry-Based Community Service Learning is Reshaping the B.Ed. Experience
8:30 AM–9:10 AM, Room 205/207, Table 3
Explore a recent initiative between the Faculty of Education at University of Ottawa, Ottawa School Boards, and community NGOs that focused on knowledge mobilization of pedagogy aimed at increasing student engagement in environmental, social justice, and global citizenship learning through community action projects.
Presenter(s): Lisa (Diz) Glithero, University of Ottawa

Living Systems: The Heart and Soul of Environmental Education
8:30 AM–9:10 AM, Room 205/207, Table 4
Paraphrasing Albert Einstein, “The consciousness that created a problem is insufficient for solving it.”
• A new consciousness is readily available.
• It is easily taught and quickly understood.
• With it comes new hope for re-achieving planetary sustainability!
Presenter(s): Milton O. Markewitz, Earth & Spirit Council

Problems of Food Security: Resurrecting the Jeffersonian Dream?
8:30 AM–9:10 AM, Room 205/207, Table 5
One of most ignored issues of today is that of food security in developed countries. Our current national and globalized food infrastructure is extremely fickle. Rethinking the Jeffersonian dream guides us to rationalizing the creation of more localized food systems.
Presenter(s): Richard R. Jurin, University of Northern Colorado

Friday 9:20 AM
The following are all 40-minute sessions that start at 9:20 AM and end at 10:00 AM.

Traditional Presentations
9:20 AM–10:00 AM

Environmental Leadership Through Critical Thinking
9:20 AM–10:00 AM, Room 106
Are you a critic, or a critical thinker? In this inspiring session, Inside Education will showcase award-winning teacher and student programs that empower leaders, foster critical thinking and meaningful dialogue, and ultimately stewardship of natural resources and our environment.
Presenter(s): Milena McWatt, Inside Education Society of Alberta; Karin Hedetniemi, Inside Education Society of Alberta

Strand: ● Connecting People to Nature  ● Conservation Education and Innovation  ● Creating Sustainable Communities  ● Teachers  ● Greening K–12 and Higher Education  ● Leadership and Professional Development  ● Using Technology to Enhance EE
Environmental Research Projects: Getting High School Students Intimate with Nature
9:20 AM–10:00 AM, Room 101
Using an inquiry approach, 100+ high school sophomores develop, design, carry out, and present an original research project every year at our school forest. Learn tips and techniques for making your own environmental research project a reality and a success!
Presenter(s): Lauri Davis, Houghton-Portage Township Schools
Strand: ●

Learning How to Enhance Campus Sustainability Through the Social Sciences
9:20 AM–10:00 AM, Room 107
What do the social sciences have to offer for understanding and addressing campus sustainability challenges? Learn about University of Michigan students’ efforts to answer this question through a course assignment, a website of their findings, and the assignment’s other benefits.
Presenter(s): Michaela Zint, University of Michigan
Strand: ●

NAAEE Federal Policy Agenda—Making Things Happen for EE
9:20 AM–10:00 AM, Room 108
NAAEE advocates on behalf of a variety of governmental policies. This is an introduction to the range of U.S. federal and state legislative and regulatory issues that the field supports, and what actions will be needed between now, year’s end, and beyond.
Presenter(s): Brock Morris Adler; Traci Price, The Oregon Community Foundation
Strand: ●

Place-Based Education and Use of Reflection for Community Sustainability Learning
9:20 AM–10:00 AM, Room 103
K–8 teachers and professional development providers will gain skills and deepen knowledge about proven place-based education activities to foster reflection, feedback, and idea generation. This session is designed for people working with diverse groups and strengthening school-community environmental stewardship partnerships.
Presenter(s): Shari Dann, Michigan State University; Margaret Holtschlag, Grand Learning Network
Strand: ●

Positioning Your EE Program Using Public Involvement Methods and Other Tools
9:20 AM–10:00 AM, Room 105
Come and learn an easy way to combine leadership skills with public involvement tools to successfully raise awareness and support to your environmental education program or initiative inside and outside your organization.
Presenter(s): Iris Lizzette Velez, USDA Forest Service
Strand: ●

Sustainability, STEM, and 21st Century Skills
9:20 AM–10:00 AM, Room 104
Focus will be on the underlying concepts of sustainability, the inquiry focus of STEM and the specific 21st century spatial technology skills needed to meet the outcome of secondary school curricula. Specific emphasis will be on the Ontario curricula and the fit of various components.
Presenter(s): Charles Hopkins, Dearness Environmental Society; Mark Lowry, Ontario Association for Geographic and Environmental Education
Strand: ●

Wildlife and Climate Change
9:20 AM–10:00 AM, Room 208
Learn about a new WWF assessment tool and activity guide that can help high school students better understand traits that make a species vulnerable to changes in climate and how it is being used to develop more robust conservation programs.
Presenter(s): Nikhil Advani, World Wildlife Fund; Shaun Martin, World Wildlife Fund
Strand: ●

Roundtable Discussions
9:20 AM–10:00 AM
Climate Literacy and Energy Awareness Network (CLEAN)
9:20 AM–10:00 AM, Room 205/207, Table 1
This Network enables educators to learn from a diverse stakeholder community as they work to improve climate change and environmental education, and enable informed decision-making. Learn how you can join this community, make use of our resources, and get involved.
Presenter(s): Kristen Iverson Poppleton, Will Steger Foundation; Roberta M. Burns, Kentucky Division for Air Quality; James Brey, American Meteorological Society; Ingrid Zabel, Paleontological Research Institution; Don A. Duggan-Haas, PRI & its Museum of the Earth
Strand: ●
Connecting Youth and Families to Nature Through Urban Bird Watching
9:20 AM–10:00 AM, Room 205/207, Table 2
Birdwatching in an urban environment can be an environmental educational tool to successfully engage youth and their families in learning more about nature and the value of conservation of their environment.
Presenter(s): Alicia Frances King, U.S. Fish and Wildlife Service Migratory Bird Program
Strand: ●

Digital Age Developmentally Appropriate Caregiving: Challenges, Balance, and Boundaries
9:20 AM–10:00 AM, Room 205/207, Table 3
Getting more “Vitamin N” by breaking the spell of the “hypnotic screen” is possible using developmentally appropriate boundaries and clear communication. A step-by-step approach to regulate, balance and rejuvenate our relationships with each other and nature will be explored.
Presenter(s): Darius Kalvaitis, Colby Sawyer College
Strand: ●

Empowering Students to be Environmental Advocates Using Science Practices
9:20 AM–10:00 AM, Room 205/207, Table 4
Connect students with curriculum that includes environmental advocacy. A spiral lesson framework engages students with the science practices, preparing them for a culminating course activity that develops and demonstrates their understanding by advocating for an innovative solution.
Presenter(s): Natalie Macke, Pascack Valley Regional High School District
Strand: ●

Enhancing the STEM “S” with Ecology Awareness
9:20 AM–10:00 AM, Room 205/207, Table 5
Technology and Engineering shows up more often than botany or ecology in STEM programs. Join a discussion on the values of field sciences and ecological understanding, and how we can raise their awareness in STEM education.
Presenter(s): Zackery Zdinak, Life Drawing & Education
Strand: ●

National Geographic Invites Environmental Educators to Join Our Geo-Educator Community
9:20 AM–10:00 AM, Room 205/207, Table 6
Join a National Geographic-led discussion with other educators who are passionate about helping students understand our interconnected world. Share ideas about how to prepare the next generation of informed 21st century decision-makers and learn more about the new Geo-Educator Community.
Presenter(s): Julie Brown, National Geographic Society
Strand: ●

Poster Presentations
9:20 AM–10:00 AM

6a) Assessing Student Outcomes of EE Using Concept Maps
9:20 AM–10:00 AM, Room 214
Looking for a creative and meaningful way to involve students in your program evaluation? Come explore the results of a study utilizing concept maps before and after an environmental education program to document impact of the program on students.
Presenter(s): Nicholas Bourke, Auburn University Montgomery; Margaret Johnston, Camp McDowell Environmental Center; Connie Buskist, Auburn University Montgomery
Strand: ●

6b) Calculating Our Carbon Footprint and Developing a Plan
9:20 AM–10:00 AM, Room 214
Morehead State University took the challenge to calculate our campus carbon footprint. The purpose was to determine if we could become carbon neutral. This presentation will share the process of calculating our footprint and developing a plan.
Presenter(s): April Haight, Graining Fork Nature Preserve
Strand: ●

6c) Development of the Environmental Education Teaching Efficacy Belief Instrument (EETEBI)
9:20 AM–10:00 AM, Room 214
The Environmental Education Efficacy Belief Instrument (EEEBI) has been used in research but no construct validity had been conducted. This presentation will present research that determined the face, criterion, and construct validity of a new instrument, Environmental Education Teaching Efficacy Belief Instrument (EETEBI).
Presenter(s): Julie Angle, Oklahoma State University; Juliana Utley, Oklahoma State University; Christine E Moseley, University of Texas at San Antonio
Strand: ●
6d) Exploring Energy Literacy: Wood-Based Biofuels and Coproducts
9:20 AM–10:00 AM, Room 214
Energy Literacy is a foundational component of education for sustainability and for greening the curriculum. The website EnergyLiteracyPrinciples.org is a collection of educational resources related to biofuel solutions that are economically viable, socially acceptable, and meet the high environmental standards. Presenter(s): Robert Justin Hougham, University of Wisconsin–Extension

6e) Nurturing a Community Garden
9:20 AM–10:00 AM, Room 214
Preservice teachers in two college courses helped teach Boys and Girls Club 3rd–5th graders in an after-school gardening project. Expertise derived from a collaboration between professors of Horticulture, Social Work, Community and Women's Studies, and Education. Presenter(s): Jeanine Huss, Western Kentucky University; Cassady Crim, Western Kentucky University

6f) Perceptions of Environmental Education from Across a University Campus
9:20 AM–10:00 AM, Room 214
What perceptions about environmental education do members of an academic community hold when viewing the discipline from the outside? This presentation provides detailed results of a university-wide survey designed to explore this topic using empirical data. Presenter(s): David Allen, Murray State University

Friday 10:00 AM
Coffee Break
10:00 AM–10:30 AM, Canada Hall 2/3

Friday 10:30 AM
The following are all 40-minute sessions that start at 10:30 AM and end at 11:10 AM.

Traditional Presentations
10:30 AM–11:10 AM

Accreditation: Managing State EE Certification Programs—Planning for Costs and Revenues
10:30 AM–11:10 AM, Room 208
One prominent challenge for state EE certification programs is how to plan for and balance their income and costs. Representatives will discuss features of State Certification Programs that involve costs and generate income, and strategies they've used to contain those costs and generate additional revenue. Presenter(s): Jennifer Buchelt, Environmental Education Council of Ohio; Robert Hughes, Pennsylvania Association of Environmental Educators; Thomas J. Marcinkowski, Florida Institute of Technology, Susan McGuire, McGuire Consulting; Katie Navin, Colorado Alliance for Environmental Education; Elizabeth Schmitz, Kentucky Association for Environmental Education; Andree' Walker Bravo, Utah Society for Environmental Education; Brenda Weiser, Texas Association for Environmental Education

Creating a Cutting-Edge STEM Career Program Through Collaboration
10:30 AM–11:10 AM, Room 103
The Environmental Education Council of Ohio (EECO) has collaborated with Ohio EPA and OSU to develop a network of environmental professionals committed to making school presentations about their careers, provide shadowing, internship, field trip, and scholarship opportunities to Ohio students. Presenter(s): Brenda Metcalf, EECO; Carolyn Watkins, Ohio EPA; David Hanselmann, Ohio State University, School of Environment and Natural Resources; Pat A. Barron, Retired

Strands:

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Early Childhood Environmental Education: Updates from the Natural Start Alliance
10:30 AM–11:10 AM, Room 212
Find out how you can connect with other providers and supporters of early childhood environmental education, what new products and services are available to you through Natural Start, what’s planned for the future, and how you can get involved.
Christy Merrick, Natural Start Alliance, North American Association for Environmental Education; Betty Olivolo, Natural Start Alliance, North American Association for Environmental Education

Strand: Engaging People in Civic Deliberations: NAAEE's New Environmental Issues Forums
10:30 AM–11:10 AM, Room 213
Learn how you can be involved in an exciting partnership between NAAEE and the Kettering Foundation. The new Environmental Issues Forums discussion guides, training, and research efforts promote public and classroom deliberation on important issues such as climate change.
Presenter(s): Bora Simmons, National Project for Excellence in Environmental Education; Michele Archie, The Harbinger Consulting Group; Amy Lee, Kettering Foundation

Strand: Exploring the Impact of Environmental Education Using Most Significant Change
10:30 AM–11:10 AM, Room 104
Most Significant Change offers an excellent opportunity to explore the effect of EE programs on participants. We piloted the technique with a group of conservation leaders funded through the Toyota TogetherGreen program and will describe the technique and our results.
Coordinator: John Rowden, National Audubon Society
Presenter(s): Dave Chase, DRC Consulting, PEER Associates

Strand: From Discovery Walks to Seeds for Greening the City!
10:30 AM–11:10 AM, Room 101
Les Amis de la Montagne (Friends of the Mountain) have been working with schools in Montreal for 30 years. "Seeds for Greening the City" has led us to work with new partners to create an innovative educational tree nursery project.
Presenter(s): Eric Richard, Les Amis de la Montagne; Maria Eugenia Nacher, Les Amis de la Montagne

Strand: Improving Conservation Through Understanding the Complexity of Environmental Management
10:30 AM–11:10 AM, Room 107
Integrated environmental management, such as ecosystem-based management, is complex yet fundamental to conservation. Conveying this complexity and ways to influence it to students with little experience is hard, so we discuss conveying management understanding in class and in the field.
Presenter(s): D. Scott Slocombe, Wilfrid Laurier University

Strand: Inquiry: Successes and Challenges on the Trail
10:30 AM–11:10 AM, Room 102
We'll share one organization’s lessons learned about successfully implementing inquiry projects in a residential science program.
Presenter(s): Estrella Risinger, NatureBridge; Meg Jakubowski, NatureBridge

Strand: It’s “Appening” Outside: Using Mobile Devices to Create Environmental Experiences
10:30 AM–11:10 AM, Room 106
Mobile devices are here to stay. How do we utilize these tools while teaching the importance of conservation and sustainability to digital natives? We will explore mobile applications being used with teacher candidates and provide outcomes on the approach. Bring your mobile devices.
Presenter(s): Brenda Weiser, University of Houston–Clear Lake; Jana M. Willis, University of Houston–Clear Lake

Strand: Pine Jog’s After-School Green Hour: Fostering Environmental Literacy
10:30 AM–11:10 AM, Room 105
FAU/Pine Jog has developed an Environmental Literacy Curriculum geared to after-school settings addressing EE Learner Guidelines/state standards. 3–5 graders engage in a year-long exploration of environmental topics organized into six thematic modules. Presenters will share lessons learned/impact on students.
Presenter(s): Anne Henderson, Pine Jog Environmental Education Center; Susan Toth, Pine Jog Environmental Education Center; Bingbing Zhang, Pine Jog Environmental Education Center
Playscapes: The “Third Teacher” for Early Childhood Environmental Education  
10:30 AM–11:10 AM, Room 202  
Intentionally designed playscapes connect young children to nature and serve as the “third teacher” in early childhood environmental education. Presenters will share National Science Foundation supported research supporting this notion: children learn organically within the context of their nature play.  
Presenter(s): Victoria Carr, University of Cincinnati; Leslie Kochanowski, University of Cincinnati  
Strand:  

Reframing EE in a Climate Change Era  
10:30 AM–11:10 AM, Room 108  
Is EE that focuses on small, individual actions appropriate given the scale of climate change? Is EE that includes climate change adaptation counter to our foundational values of reducing environmental impacts? We synthesize multiple perspectives to explore this topic.  
Presenter(s): Judy Braus, NAAEE; Bryce DuBois, Cornell/CUNY; Marianne Krasny, Cornell University; John Fraser, New Knowledge Organization; Anne Umali Ferguson, Cornell University  
Strand:  

Sense of Place on the Trails and at the Food Forest  
10:30 AM–11:10 AM, Room 204  
Come meet students, staff, and faculty from Florida Gulf Coast University who work together to empower students to connect with the local environment and contribute towards sustainable initiatives. The presentation will highlight cultivating a “sense of place” as a tool for sustainability education.  
Presenter(s): Ariel Chomey, Sarah West Davis, Jessica Drummond, Kalyn Glenn, Betty Luis, Kelly Walsh, and Ben Zietlow  
Strand:  

Should Higher Education Go Carbon Neutral: Examining Forest Carbon  
10:30 AM–11:10 AM, Room 211  
Are colleges and universities more interested in purchasing formal, certified carbon offsets or creating experiential education opportunities for their students? This research project explored the benefits, barriers, and perceptions that higher education has for forest carbon programs.  
Presenter(s): Alex French, Clarkson University  
Strand:  

Using Technology to Explore Preliterate Children’s Experiences of Nature  
10:30 AM–11:10 AM, Room 203  
This study explores how technology can be used to study how preschool children interact with and experience nature as well as how technology can enhance young children’s experiences in the outdoors. A brief presentation will be followed by a discussion.  
Presenter(s): Sara Raven, Kent State University; Vanessa Ann Klein, Kent State University  
Strand:  

Facts & Figures  
Canada’s forested, other wooded land and land with tree cover extend over half of the country’s total land surface—nearly 400 million hectares—from coast to coast.
Roundtable Discussions
10:30 AM–11:10 AM

Butterflies and Habitat Restoration: What We Can Do
10:30 AM–11:10 AM, Room 205/207, Table 1
Habitat loss is a major factor contributing to biodiversity loss globally. Butterflies are charismatic organisms, which can be used as flagship species to restore habitats in schools via butterfly gardens. It is relatively cheap and easy with the proper knowledge.
Presenter(s): George E O'Brien, Florida International University
Strand: Connecting Environmental Education and Early Childhood Literacy

Connecting Environmental Education and Early Childhood Literacy
10:30 AM–11:10 AM, Room 205/207, Table 2
Come see how a non-profit research organization is successfully modeling and growing a program which connects early childhood literacy skills with experiential learning about the local natural environment by connecting young children and their families to nature.
Presenter(s): April T Sawey, Botanical Research Institute of Texas
Strand: Elementary Teacher Education, Environmental Education, and the Common Core

Elementary Teacher Education, Environmental Education, and the Common Core
10:30 AM–11:10 AM, Room 205/207, Table 3
Social studies and science education take a back seat to math and language arts in the common core. It is possible to ensure active civic engagement and ecological understanding in public schools, while meeting state and national standards.
Presenter(s): Anneliese Mueller Worster, Salem State University
Strand: Linking Science and Literature

Linking Science and Literature
10:30 AM–11:10 AM, Room 205/207, Table 4
Picture books inspire wonder and keep students engaged. Learn how we successfully helped teachers implement plant-based lessons using literature including books from "Growing Good Kids Excellence in Children's Literature." We will present excerpts from our very successful professional development unit, Linking Science and Literature.
Presenter(s): Renata Brown, Cleveland Botanical Garden; Rowenna Collins, Cleveland Botanical Garden
Strand: Moving Outdoor Classrooms from Nice to Necessary

Moving Outdoor Classrooms from Nice to Necessary
10:30 AM–11:10 AM, Room 205/207, Table 5
Imagine a future where an outdoor classroom is considered a critical piece of infrastructure for every school, just like a gymnasium. What will it take to make that vision a reality? Come share your ideas for game-changing policy, practice, and strategy.
Presenter(s): Barbara McKean, Royal Botanical Gardens
Strand: Supporting Teachers’ Professional Development in Environmental and Sustainability Education

Supporting Teachers’ Professional Development in Environmental and Sustainability Education
10:30 AM–11:10 AM, Room 205/207, Table 6
This interactive session shares a successful model of school-university partnerships that deepens the environmental literacy of student teachers and their mentors. Explore this research-proven, collaborative model of environmental education that benefits preservice students, experienced teachers, and local schools alike.
Coordinator: Hilary J Inwood, OISE, University of Toronto
Presenter(s): Pamela Miller, Toronto District School Board
Strand: Using Technology in the Out-of-Doors: An Oxymoron?

Using Technology in the Out-of-Doors: An Oxymoron?
10:30 AM–11:10 AM, Room 205/207, Table 7
Learn how students have been using mobile technologies and communication/networking tools to manage, integrate, and collect data on reptile and amphibian field science projects. These media-rich activities can help learners connect their varied lives with the world of EE.
Presenter(s): Catherine Matthews, University of North Carolina–Greensboro; Lacey Denise Huffling, University of North Carolina–Greensboro; Aerin Benavides, University of North Carolina–Greensboro
Strand: Videos Tell Sustainability Stories, Work toward Hopeful, Local/Place-Based Sustainable Futures

Videos Tell Sustainability Stories, Work toward Hopeful, Local/Place-Based Sustainable Futures
10:30 AM–11:10 AM, Room 205/207, Table 8
Students in University of Vermont’s Creating Environmentally Sustainable Communities service learning course produce videotapes (and papers) to tell sustainability stories about local individuals/groups who serve as role models/examples for others to emulate in transitioning/downshifting to more environmentally-sustainable communities.
Presenter(s): Thomas R. Hudspeth, University of Vermont Environmental Program
Strand:
Poster Presentations
10:30 AM–11:10 AM

7a) Anime Characters in Environmental Education Stories
10:30 AM–11:10 AM, Room 214
In 2013, NASA's Global Precipitation Measurement mission sponsored an anime character contest. Phase two is to create stories relating GPM's study of precipitation, weather and climate to natural hazards and societal impacts, featuring the winning characters and leading to a second contest for student-created stories.
Presenter(s): Kristen Weaver, NASA GSFC & USRA/GESTAR
Strand:

7b) Building Innovative Climate Curriculum: Highlights from a New PLT Secondary Module
10:30 AM–11:10 AM, Room 214
Learn about a new secondary teaching resource focused on change and southern pine forests and the unique features of this program, which include a systems-thinking track, online training resources, and research videos.
Presenter(s): Annie Oxarart, University of Florida; Maggie Clifford, PINEMAP, University of Florida; Martha C. Monroe, University of Florida
Strand:

7c) Captivating Kids Through Citizen Science: Using the Plant Heroes Program
10:30 AM–11:10 AM, Room 214
Learn how to leverage the Plant Heroes program both inside and outside the classroom to involve your students in plant conservation as the next generation of “First Detectors,” working to limit the damage caused by serious plant pest and diseases!
Presenter(s): Annemarie M. Nagle, Sentinel Plant Network/American Public Gardens Association
Strand:

7d) Improving Environmental Literacy Through Outdoor, Hands-On, Inquiry-Based Programs in Latin America
10:30 AM–11:10 AM, Room 214
Ecology Project International (EPI) developed a quantitative assessment based on NAAEE Framework for the Evaluation of Environmental Literacy; results demonstrate that our hands-on, inquiry-based field programs have positive effects on ecological knowledge, dispositions, competencies, and behaviors of high school students.
Presenter(s): Miguel Fuentes, Ecology Project International; Heidi Jennifer Porras, Ecology Project International
Strand:

7e) Project WET and National Parks—Partnerships in the Midwest
10:30 AM–11:10 AM, Room 214
Project WET (Water Education for Teachers) and the National Park Service have a partnership that encourages using research data for classrooms and interpretive programming. Come share your ideas for partnerships and we’ll share our ideas too!
Presenter(s): Erica Cox, Missouri State University
Strand:

7f) Reframing Environmental Education in Our Schools
10:30 AM–11:10 AM, Room 214
Two Ottawa teachers build their practice around issues that directly relate to biodiversity, economy, and equity. Students immerse themselves in a local urban wetland and a local neighbourhood as they become guardians of our biological heritage.
Presenter(s): Michael Leveille, Biodiversity Matters; Stephen Christopher Skoutajan, Ottawa-Carleton District School Board
Strand:

7g) Student Scientist Partnerships (SSPs and Cultivating Sustainable Thinking for the Ocean)
10:30 AM–11:10 AM, Room 214
This paper discusses the need for Student-Scientist Partnerships and their development within K–12 learning, where students are able to learn the content in an authentic and valuable way while also developing an important relationship with the ocean that fosters conservation.
Presenter(s): Rachel A Luther, University of Southern Mississippi
Strand:
**Friday 11:30 AM**

**Keynote Address**

11:30 AM–12:30 PM, Canada Hall 1

DAVID JAYO

Building the Next Generation of Leaders

David Jayo joined the U.S. Department of the Interior after working at REI for nearly 15 years leading their corporate giving, community relations and new market entry strategies. While at REI, David implemented market-driven programs that increased community connections, employee engagement and philanthropic impact.

Prior to joining REI, David worked for United Way for a decade. He led efforts concentrating on funding allocations and community needs assessments in Southern Nevada, Northwestern Washington, and Seattle/King County.

David currently serves as Senior Advisor to the Secretary of the Interior Sally Jewell, responsible for designing and implementing the youth initiative for the Department. He is the only person that the Secretary brought with her after she was confirmed to her position.

David graduated from Gonzaga University with degrees in accounting and Spanish.

**Friday 12:30 PM**

**Lunch**

12:30 PM–2:15 PM

University of Michigan Gathering

Friday, 12:45 PM–2:00 PM, Sidedoor Contemporary Kitchen & Bar, 18 York Street

The University of Michigan's School of Natural Resources invites all alumni, faculty, students, and staff to a lunch hosted by Professor Michaela Zint.

**Friday 12:45 PM**

**Meetings and Special Sessions**

12:45 PM–2:00 PM

Advocacy Committee

12:45 PM–2:00 PM, Room 202

The Advocacy Committee coordinates activities that increase favorable legislative and regulatory environments, and governmental funding for environmental education on all levels. This meeting will focus on 2015 planning and participation. Open to all.

Certification Programs Meeting

12:45 PM–2:00 PM, Room 201

Representatives from all states and provinces that have active certification programs or are interested in developing one, are welcome to attend this meeting to discuss trends, challenges, and opportunities for collaboration.

EECOM 2014 Annual General Meeting

12:45 PM–2:00 PM, Room 204

Get to know EECOM programs. Meet board members. Help advance EE in Canada. All are welcome!

Mentor Exchange for New & Emerging Professionals

12:45 PM–2:00 PM, Room 213

Exchange ideas with seasoned educators and veteran practitioners whose environmental education experiences have left important marks on the EE field. After hearing briefly from each of our volunteer mentors, we will break into small groups to pursue more discussion and exchange contact information.

Preservice Advisory Board Meeting

12:45 PM–2:00 PM, Room 211

We will discuss the work of the Preservice Advisory Board and welcome all who are interested in learning about our ongoing initiatives to increase EE in Educator Preparation Programs. Learn how our work can support you, your institution, and your preservice teachers. Open to all.

Urban EE Special Interest Group

12:45 PM–2:00 PM, Room 208

Join other environmental educators interested in building capacity around working in urban communities. This meeting is an opportunity to network, share resources, and identify strategies about what works and what is needed to effectively educate in urban settings. Open to all.
Friday 2:15 PM
The following sessions all start at 2:15 PM. The end times vary with the type of session as indicated. 90-minute sessions are listed first, followed by 40-minute sessions.

Special Sessions
2:15 PM–3:45 PM

Capacity Building for Canadian Environmental Education Practitioners
2:15 PM–3:45 PM, Room 202
Are you interested in building capacity for environmental education in Canada? Join Canadian environmental educators for this interactive session. Identify and explore ideas, strategies, and opportunities to build a more robust Network for Canadian Environmental Education and Communication.
Presenter(s): Remy Rodden, Government of Yukon; Carlos Ormond, EECOM/Simon Fraser University; Bruce Gordon Ford, Metro Vancouver and EECOM

Community Climate Change Fellowship Program—An EE Capacity Pilot Program
2:15 PM–3:45 PM, Room 201
In 2014, EE Capacity, EPA’s national environmental education and training program, piloted a new program that supports community leaders using environmental education practices to address a local community need around climate change. Ten fellows present their work in this special session.
Presenter(s): Carlos Velazquez; Nadine Lefort, Sierra Club BC; Tara Marie Hostnik, Sequoia Natural History Association; Rocio Lozano-Knowlton, NOAA CINMS & CDE; Stewart Jenkins, Coastal Watershed Council; Adam Ratner, The Marine Mammal Center; Luis Morales, San Pancho Bird Observatory; Jason Davis, Climate Stories Project; Trevor Hance, Laurel Mountain Elementary; Maria Talero, Climate Courage Education and Organizing; Jacob Park, Green Mountain College

Environmental Education Evaluation Clinic
2:15 PM–3:45 PM, Room 208
Do you have questions about evaluation or assessment? Bring them to NAAEE’s first Evaluation Clinic, where you can ask questions of the experts and contribute your own relevant experience. Learn from evaluation experts as well as your peers through informal, roundtable conversations.
Presenter(s): Bora Simmons, National Project for Excellence in Environmental Education; Thomas J. Marcinkowski, Florida Institute of Technology; Michaela Zint, University of Michigan; Martha C. Monroe, University of Florida; Nicole Ardoin, Stanford University; Elizabeth (Libby) P McCann, Antioch University New England; Joe E. E. Heimlich, Ohio State University Extension

Symposia
2:15 PM–3:45 PM

Communicating Impact and Engaging Support for Affiliates
2:15 PM–3:45 PM, Room 210
Effective fund-raising is a critical part of advancing EE in your state/province. Join us for a panel discussion on fund-raising successes and challenges and engage in small group discussions on how affiliates can best communicate impact and engage support.
Presenter(s): Adrian Ayson, New England EE Alliance; Andree Walker Bravo, The Utah Society for Environmental Education; Katie M Navin, Colorado Alliance for Environmental Education

GM GREEN: Writing the Next Chapter of Bill Stapp’s Legacy
2:15 PM–3:45 PM, Room 215
25 years ago, Bill Stapp partnered with General Motors to build the national presence of GREEN—Global Rivers Environmental Education Network. Join GREEN participants—old and new—to understand how this program continues to be on the cutting edge of EE.
Presenter(s): Donny E Roush, Earth Force; Lisa Bardwell, Earth Force; Terry Wilson, Western Kentucky University
Hands-on Presentations
2:15 PM–3:45 PM
Campfires, TED Talks, and Beyond... Tell Your Story: Blow Their Minds!
2:15 PM–3:45 PM, Room 213
How can your story change the world? Drawing on our successful experiences at TED and beyond, we'll workshop your stories to make them great, using seven measures for success: emotional engagement, intellectual play, influence, persuasion, change catalysis, possibility, and heart.
Presenter(s): Ian Signer, Life Sciences Foundation; Aliza Yochana Weller, TEDx Speaker and Apple Global Training Designer
Strand: green Storytelling for the Emerging Scientist
Green Storytelling for the Emerging Scientist
2:15 PM–3:45 PM, Room 102
There is an increasing emphasis today on providing emerging scientists with tools to interpret research and tell a story. In this session we will explore the power and importance of storytelling in environmental education and how to communicate science creatively.
Presenter(s): Elizabeth Hand, Science World
Strand: Green Storytelling for the Emerging Scientist
Greening Math Trails for Sustainability
2:15 PM–3:45 PM, Room 204
Starting with the real world as a context for understanding both math and sustainability, this session will have you exploring and designing green math trails to engage students in assessing current impacts of human actions.
Presenter(s): Pamela Miller, Toronto District School Board; Bonnie Anderson, Peel Field Centres
Strand: Greening Math Trails for Sustainability
The Next Generation of PLT Education Materials
2:15 PM–3:45 PM, Room 211
Explore the newest examples that Project Learning Tree is developing in its Next Generation of PLT. New formats, bundles, and other innovative ideas are being used to address the Common Core & Next Generation Science Standards.
Presenter(s): Kathy McGlaflin, Project Learning Tree; Jaclyn Stallard, Project Learning Tree
Strand: The Next Generation of PLT Education Materials

Bright Spots and Great Ideas
2:15 PM–3:45 PM
Learn about four or five successful and loosely related programs in each 90-minute Bright Spots and Great Ideas session.

Group A
2:15 PM–3:45 PM, Room 203
Action Learning Group Projects: A Model with Resources
An action learning model has been designed into a 12-step strategy that includes a variety of activities at each step. One way of effectively using this strategy is in a group setting. The online resource will be shared.
Presenter(s): Peta White, Deakin University
Strand: Greening Math Trails for Sustainability
Family-Focused Ecocitizenship: Developing Family-Based Environmental Action Competence
What role could children play in developing family-based ecosustainable habits? Imagine the possibilities if every family knew how to live more sustainably. Imagine communities where children are environmental teachers, sharing skills learned in school with their families at home.
Presenter(s): Michel Leger, University of Moncton
Strand: Family-Focused Ecocitizenship: Developing Family-Based Environmental Action Competence
An Outdoor Science Laboratory: Impacts of Service Learning and Inquiry
Engaged in environmental service learning? Presentation highlights innovative schoolyard restoration: from ivy desert to outdoor environmental science laboratory. Research shows how relative time engaged with service learning and science inquiry affects locus of control, environmental attitudes, science knowledge and environmental behaviors.
Presenter(s): Steven Braun, Portland State University
Strand: An Outdoor Science Laboratory: Impacts of Service Learning and Inquiry
The Role of Place in Sustaining Activists’ Identities and Communities
This presentation will describe a research project recently completed that involved engaging youth in interviewing experienced activists live on a community radio station to investigate how places have helped them to maintain their activist identities and communities for many years.
Presenter(s): Karen Elizabeth McIver, Saskatchewan Outdoor and Environmental Education Association
Strand: The Role of Place in Sustaining Activists’ Identities and Communities
Group B
2:15 PM–3:45 PM, Room 212

City to Sea Citizen Science: Engaging Urban Communities in Science
We engaged members in an urban community to take leadership roles in understanding canyons in their backyards through citizen science. Research allowed members to understand types of trash within their local, urban canyons and pathways trash traveled through the watershed.
Presenter(s): Rochelle Mothokakobo, Ocean Discovery Institute
Strand: ●

Engaging Under-Represented Students in Urban Forest Stewardship
A diverse partnership is delivering a three-year teacher professional learning and student engagement program for 60 teachers, 29 schools, 1,380 students in Detroit that focuses on forest stewardship to increase the environmental literacy of urban students and pique their interest in natural resource careers.
Presenter(s): Joan Chadde Schumaker, Michigan Technological University; Michael Reed, Michigan Alliance For Environmental and Outdoor Education (MAEOE)
Strand: ● ●

Food for Everyone: Community Gardening as a Pillar of Resilience
Keene Community Garden Connections, established by Antioch University students empowers underserved and marginalized members of the community through gardening with the goals of increasing food security, mitigating climate change, and building community resilience.
Presenter(s): Sara Powell, Community Garden Connections–Antioch University New England; Marie DiBenedetto, Keene Community Garden Connections; Elizabeth (Libby) P McCann, Antioch University New England; Jean Chimbirima Kayira, Antioch University New England
Strand: ●

How to Foster Residents’ Participation in Green Restoration Activities?
We explain what factors affect residents’ willingness to participate in five different green restoration activities in urban area of Yokohama city, the second largest city in Japan, from our latest research.
Presenter(s): Ryo Sakurai, Yokohama National University; Hiromi Kobori, Tokyo City University
Strand: ●

Imago’s Connecting Urban Youth to Nature Program, Cincinnati, Ohio
Offering urban youth ownership of and connections in nature helps them feel that nature is “for them” and can be an accessible, positive experience. Students of Connecting Urban Youth to Nature program develop schoolyard nature spaces, self-determination, and leadership skills.
Presenter(s): Jill Korach, Miami University
Strand: ● ●

Facts & Figures
Canada supports the second largest gray wolf population in the world, after Russia. Wolves in Canada occupy approximately 90 percent of their historic range. The 10 percentage without wolves is primarily near the southern border.
Traditional Presentations
2:15 PM–2:55 PM

Environmental Learning in BC
2:15 PM–2:55 PM, Room 104
Find out how the practices of passionate environmental educators in British Columbia inform the global reorientation toward 21st century learning, embracing interdisciplinary, experiential, relevant, competency, and community-based learning for K–12 students. 
Presenter(s): Connie Cirkony, BC Ministry of Education
Strand: ● ●

North of Sixty*: Mobilizing Student-Captured Stories of a Changing Arctic
2:15 PM–2:55 PM, Room 106
North of Sixty* has provided mobile technology kits to schools in six Arctic communities and is empowering students in remote villages to capture sustainability stories and engage in discussion about how they might influence a sustainable future in their region. 
Presenter(s): Jeni Henrickson, University of Minnesota; Aaron Doering, University of Minnesota
Strand: ● ●

Tailoring Your Message: Effective Advocacy Through Persuasive Communication
2:15 PM–2:55 PM, Room 107
Advocacy involves winning over decision makers, whether that’s a congressional representative, agency head, or the local school board. Through practice with real examples, learn how to craft messages that matter to your audience about issues that matter to you. 
Presenter(s): Pat Skelly, Bright Green Works; Brock Morris Adler
Strand: ●

Transformative Journeys: Creating Sustainable Early Childhood Communities
2:15 PM–2:55 PM, Room 103
Natural elements in early childhood outdoor playspaces are not enough to create sustainable early childhood communities. Two Australian centre case studies illustrate the potential for transformative journeys when the interface between natural outdoor playspaces and education for sustainability is researched. 
Presenter(s): Sue Elliott, University of New England
Strand: ● ●

Zasqua: A Catalyst for Connecting People to Nature
2:15 PM–2:55 PM, Room 105
Colegio Los Nogales, a K–12 school in Colombia, has restored an area of wetland and forest within the school grounds. This area is now used by the school community to help counteract the lack of connection of youth with nature. 
Presenter(s): Carolina Bermudez, Colegio Los Nogales; Pedro Linares, Colegio Los Nogales
Strand: ● ●

Roundtable Discussions
2:15 PM–2:55 PM

EE for Teachers Through Liberal Studies
2:15 PM–2:55 PM, Room 205/207, Table 1
The Center for Excellence in Environmental Education at Longwood University is undertaking a new approach to educating preservice teachers—through liberal studies classes. Come see the beauty and challenges of this new center and new venture. 
Presenter(s): Joe A. Baust, Longwood University
Strand: ●

Farm to Preschool: Starting Young Children on the Road to Sustainability
2:15 PM–2:55 PM, Room 205/207, Table 2
Food security, equity, and building understanding of systems and cycles can all begin in a simple preschool garden. Explore how gardening provides young children firsthand knowledge of their interdependence with soil, air, and water. 
Presenter(s): M Linda Wellings, Shelburne Farms; Jed Norris, Shelburne Farms
Strand: ●

A Field Trip at Your School
2:15 PM–2:55 PM, Room 205/207, Table 3
A school environmental audit might seem intimidating, but think of it as a “Field Trip at Your School” and it becomes a cost-effective learning opportunity for students and an introduction to further school investigations. 
Presenter(s): Jan C. Weaver, Missouri Environmental Education Association
Strand: ● ●
Integrated Consulting Support: A New Paradigm for the EE Field
2:15 PM–2:55 PM, Room 205/207, Table 4
Traditional consulting approaches with EE can be fragmented and compartmentalized, consistently over-promising and under-delivering to clients. Integrated Consulting Support (ICS) addresses many of the limitations of current models and better delivers value, flexibility, and impact to the field.
Presenter(s): Dave Chase, DRC Consulting, PEER Associates
Strand:
Poster Presentations
2:15 PM–2:55 PM
8a) Collaboration in Environmental Education Using the Education by Nature Model
2:15 PM–2:55 PM, Room 214
We are leading the charge in facilitating Education by Nature's "Learning Community." The Learning Community provides an opportunity for EE providers, funders, and the students/teachers served to participate jointly in best practices in education, collaboration and evaluation/impact.
Presenter(s): Kelly Decker, The Children's Nature Institute; Lina Swislocki, The Children's Nature Institute
Strand:
8b) Gardening with Adolescents: A Study of Adolescent Perceptions of Experience
2:15 PM–2:55 PM, Room 214
This session will present data from an ethnographic case study of an adolescent gardening program. Utilizing both informed grounded theory and personal meaning mapping, results revealed adolescent perception of experience as well as insights into learning and effective garden-based activity.
Presenter(s): Deborah Lynn Bailey, Oregon State University
Strand:
8c) Inner City Insights: Environmental Education In Baltimore City
2:15 PM–2:55 PM, Room 214
How can you get students engaged in nature in an urban environment? Parks and People Foundation shares insight to environmental education in Baltimore City; touching on utilizing available green space, after-school programs, and the Green Career Ladder.
Presenter(s): Kara Berger, Parks & People Foundation; Richard Fink, Parks & People Foundation; Sam Little, Parks & People Foundation; Candace Chance, Parks & People Foundation
Strand:
A Qualitative Evaluation of Curriculum Modules Based in EE Guidelines
2:15 PM–2:55 PM, Room 205/207, Table 5
Participants will join us in a critique of qualitative methodology used to evaluate student learning in public schools through their participation in a Border Air Quality Curriculum (ten modules) based in the Guidelines' inquiry and civic responsibility strands.
Presenter(s): Monica Chavez, El Paso Independent School District; Elaine Hampton, University of Texas at El Paso
Strands:
Sense of Place: More than a Connection to Biophysical Place?
2:15 PM–2:55 PM, Room 205/207, Table 6
This presentation will present an overview of research regarding the personal sense of place of elementary preservice teachers. It will discuss the idea that the theoretical framework for sense of place is multidimensional and should include cross-disciplinary factors.
Presenter(s): Deepti Kharod, The University of Texas, San Antonio; Christine E Moseley, University of Texas at San Antonio; Blanche Desjean-Perrotta, The University of Texas, San Antonio
Strand:
Why is “Educating for the 21st Century Through an ESD Lens” Essential?
2:15 PM–2:55 PM, Room 205/207, Table 7
Students in kindergarten today will be in mid-career in 2050 in a world with 9 billion people. What kinds of learning and life skills will they require to address the economic, environmental, and social challenges they will face?
Presenter(s): David Bell, Education for Sustainable Development, Canada
Strand:
8d) “Just Working Here is a Learning Experience”: Conservation Volunteers Speak
2:15 PM–2:55 PM, Room 214
Ordinary urban green spaces offer extraordinary teachings to individuals directly involved in maintaining the sites. Volunteers with Ottawa’s Fletcher Wildlife Garden share how much they learn and gain personally from their work.
Presenter(s): Renate Sander-Regier, University of Ottawa

8e) A Ritual Framework: Meaningful Environmental Education Experiences
2:15 PM–2:55 PM, Room 214
What do students find most meaningful about EE and how can EE programs promote meaningful experiences in nature? This study analyzed recollections of residential EE students one to three years removed utilizing an innovative ritual framework and persistent research themes.
Presenter(s): Adam Talamantes, Oregon State University; Lauren Ann Brown, Wasatch Academy

8f) Stepping Stones to Nature: Creating Connections to Wilderness Through Urban Outreach
2:15 PM–2:55 PM, Room 214
Parks Canada is helping families, youth, and newcomers overcome barriers to visiting national parks and other wilderness areas by delivering innovative programs that introduce people to nature at “stepping-stone” urban partner venues and special events.
Presenter(s): Genevieve Goggin, Parks Canada

8g) Transformative Environmental Education: Restoring Earth Identity
2:15 PM–2:55 PM, Room 214
Transformative Environmental Education is place-based and engages many ways of knowing, transforming a child’s perceptions and understandings of the environment and community of life. It nurtures the whole child through exploration in nature that inspires curiosity, wonder, care, and creativity.
Presenter(s): Shannon Lee Hays-Truex, Friends of Mid-Columbia River Wildlife Refuges

Friday 3:05 PM
The following are all 40-minute sessions that start at 3:05 PM and end at 3:45 PM.

Traditional Presentations
3:05 PM–3:45 PM
Augmenting the Practice of EE Through Facebook and Google Apps for Education
3:05 PM–3:45 PM, Room 106
Come! Explore Google Apps for Education (GAE) and Facebook as alternatives to traditional courseware. They are free, easy to set up, and provide a powerful set of applications that can expand EE opportunities online, or augment traditional face-to-face education.
Presenter(s): Justin Smith, Cornell University

Inclusive Environmental Education: Comparing Edinburgh and Toronto
3:05 PM–3:45 PM, Room 104
This study compares access to environmental education by different social demographics in the cities of Edinburgh (Scotland) and Toronto (Canada). Using a comparative case study built on ethnographic principles, findings will be analyzed from a social justice perspective.
Presenter(s): Mitchell McLarnon, University of Prince Edward Island

An Integrative Program Modeling Authentic Field Science Experiences for Students
3:05 PM–3:45 PM, Room 108
We will present the development and implementation of a model for providing students with authentic laboratory and field experiences, with the goals of expanding student knowledge of science content and methodology while increasing engagement and interest in STEM learning.
Presenter(s): Katherine Pavlis, Black Rock Forest Consortium; Nicolas Stahelin; Adriana de Carvalho, Teachers College Columbia University
Facts & Figures

*Maman* (1999) is a bronze, stainless steel, and marble sculpture by the artist Louise Bourgeois. A bronze edition is at the National Gallery of Canada, Ottawa.

There are about 55,000 species of insects in Canada—only about half the species have even been described. (Canadian Tiger Swallowtail)

Quantifying and Measuring Impact: How Much EE Happens in Virginia?
3:05 PM–3:45 PM, Room 107
How much EE do 30+ state agencies and 1,400+ non-profit organizations deliver each year? Learn how to lead a collaborative stakeholder process to build a reporting tool to determine quantity and ultimately measure impact of EE in your state.
Presenter(s): David Ruble, Virginia Office of Environmental Education
Strand: 🌿

Towards a Sustainable Future—Transforming Minds and Communities Through Schoolyards
3:05 PM–3:45 PM, Room 105
School districts are the second largest landowner in most cities. Schoolyards are geographically suited as neighborhood focal points and can serve green stormwater infrastructure. What does this mean? It means they are learning opportunities AND catalyst for community efficacy AND effective stormwater solutions.
Presenter(s): Jaime Zaplatosch, Openlands; Lois Brink, University of Colorado
Strand: 🌿

Roundtable Discussion
3:05 PM–3:45 PM
Building Spiritual Relations with Nature
3:05 PM–3:45 PM, Room 205/207, Table 1
This interactive presentation will explore supports and barriers to spiritual relationships with nature as identified by public school students. Together, we will examine the roots of these barriers and brainstorm ways to encourage moving beyond them in EE practice.
Presenter(s): Christie Thomson, University of Saskatchewan
Strand: 🌿

Coalition-Building to Support Environmental Literacy Plan Development, Adoption, and Implementation
3:05 PM–3:45 PM, Room 205/207, Table 2
Building strong and diverse coalitions can be critical to the successful development and implementation of environmental literacy plans and related policies. This session will highlight coalition-building strategies using Maryland and Virginia as case studies. Come share your own insights and experiences!
Presenter(s): Sarah Bodor, Chesapeake Bay Foundation; Traci Price, The Oregon Community Foundation
Strand: 🌿
Developing Sustainability Education in Wisconsin Schools
3:05 PM–3:45 PM, Room 205/207, Table 3
Building on a deep history of work with schools, the Wisconsin Center for Environmental Education has evolved its programs over the past couple of years toward sustainability education. In this session, we’ll share the processes, programs, and progress of that evolution.
Presenter(s): Jeremy Solin, Wisconsin Center for Environmental Education

Environment as an Integrating Context: Program Integration at Larkspur Elementary
3:05 PM–3:45 PM, Room 205/207, Table 4
Larkspur Elementary is implementing the environment as an integrated context for learning. See what we have learned about what works and where we struggle. We will share ideas for units of study, keys to success, and how to get started.
Presenter(s): Michael Norris, Larkspur Elementary School; Chantel Estes

Green & Healthy Schools Wisconsin: Transforming Learning Environments
3:05 PM–3:45 PM, Room 205/207, Table 5
Green & Healthy Schools Wisconsin serves as the comprehensive sustainability and environmental education program for PreK–12 schools in the state. Learn how this recently redesigned, innovative program is helping to transform student learning and how it can be replicated in your state.
Presenter(s): Katie Boseo, Wisconsin Center for Environmental Education

Overcoming Barriers to Outdoor Learning with Growing Up WILD
3:05 PM–3:45 PM, Room 205/207, Table 6
Many early childhood educators report unease in providing outdoor, nature-based experiences for children. Growing Up WILD activities and professional development training help build educators’ confidence in getting young children outdoors and in nature.
Presenter(s): Josetta Hawthorne, Council for Environmental Education; Marc LeFebre, Council for Environmental Education

Poster Presentations
3:05 PM–3:45 PM
9a) Growing Urban Agriculture Through School Garden Partnerships
3:05 PM–3:45 PM, Room 214
School gardens are challenged by summer maintenance, and we needed a sustainable way to grow our summer program...supply and demand are a match! See how we expanded our Green Corps youth farming program and met the needs of local schools.
Presenter(s): Renata Brown, Cleveland Botanical Garden

9b) Mosquito Activities from K to Grey
3:05 PM–3:45 PM, Room 214
In Florida mosquitoes are a big deal. This outreach program teaches students how to get along with or how to avoid nuisance and disease carrying mosquitoes while assisting teachers in delivering quality environmental science lessons and labs.
Presenter(s): Neil Wilkinson, Florida Gulf Coast University

9c) Peace Education for Sustainable Development: Imperative of Orienting School Teachers
3:05 PM–3:45 PM, Room 214
Teachers can develop in students a critical understanding of the possibilities for achieving global peace and sustainable development through the curricular transactions. The presentation describes a program for orienting school teachers in the principles of peace education for sustainable development.
Presenter(s): Hema R Pant, Indira Gandhi National Open University

9d) Preparing Sustainability Literate K–5 Teachers: Utilizing Active Engagement Experiences
3:05 PM–3:45 PM, Room 214
Our focus is sustainability education that utilizes university-based places and resources, elementary school experiences, and model curriculum for K–5 preservice teachers. The curriculum and teaching were framed and guided by the nine themes of sustainability literacy (Nolet 2009).
Presenter(s): Jaeson Clayborn, Florida International University; Jennifer Morales, Florida International University; Kathleen G. Sparrow, Florida International University; George E O’Brien, Florida International University
Facts & Figures

Snowy owls can live in the Arctic regions of North America and Eurasia year-round. However, some only stay during breeding and nesting season and then migrate as far as southern states, like Georgia, in the United States. Some snowy owls also cross the Atlantic Ocean migrating between Russia and Canada.
Friday 6:00 PM

An Evening at the Canadian Museum of History & Stapp Scholarship Auction

6:00 PM–8:30 PM, Canadian Museum of History
Buses depart from the front entrance to the convention centre.

The spectacular Canadian Museum of History is the venue for this year’s Stapp Scholarship Reception and Auction. Gorgeous architecture, stunning views, and world-renowned exhibitions convene to create Canada’s most-visited museum. The museum is home to the world’s finest and largest collection of totem poles and the First Peoples Hall highlighting the cultural, historic, and artistic achievements of Canada’s First Peoples.

Following a few words about EECOM, we are honored that Terry Audla, President of the Inuit Tapiriit Kanatami (ITK) and Nathalie Gagnon, Senior Advisor to Parks Canada’s Aboriginal Affairs Secretariat, will extend a warm welcome from and a brief introduction to the Aboriginal communities of Canada.

Terry Audla
Terry Audla has dedicated his career to the implementation of Inuit land claims agreements and the growth of economic opportunities for Inuit, and has served in senior leadership roles with the Government of the Northwest Territories the Qikiqtani Inuit Association and Nunavut Tunngavik Incorporated.

He was elected to a three-year term as President of ITK in June 2012.

Nathalie Gagnon
Nathalie Gagnon provides advice and develops tools for park staff on matters related to Aboriginal engagement. Her main focus is to ensure that the voices of First Nations, Inuit, and Métis peoples are included and inform all aspects of planning and management of the heritage places Parks Canada administers.

Nathalie is from the Anishinaabeg First Nation and was raised by Acadians in Wabanaki Territory in the Maritime Province of New Brunswick. Her work is dedicated to engaging the voices of underrepresented people such as Aboriginal peoples, women, and youth in both civil society and public service.

Then get ready to bid on your favorite items in the energetic live auction, which features special treasures in all price ranges. One of those treasures is this striking original photo by award-winning wildlife photographer Gerry Ellis.

The silent auction will culminate at the reception as well. Be there to slip in your final bid just under the wire and snatch up a great variety of books (many signed by authors), arts and crafts, jewelry, clothing, pottery, and much more.

Every auction purchase helps support scholarships that enable students to attend the conference.
The scholarship fund was established in honor of Dr. William Stapp (1930-2001), one of the founders of the field of environmental education. Bill was a huge supporter of NAAEE and introduced many of his students to the association and the conference. Many “Stapplings” have gone on to fill leadership roles in the organization.

This action-packed, fun-filled evening is included with Friday or full conference registration. Additional tickets can be purchased for guests as space allows. Check for details at the NAAEE office.

Transportation is provided.

About First Peoples Hall at The Canadian Museum of History

The First Peoples Hall celebrates the history, diversity, creativity, and endurance of Canada’s First Nations, Métis and Inuit peoples.

Through more than 2,000 historical and contemporary objects, images and documents, the First Peoples Hall depicts the traditional cultures of Aboriginal peoples across Canada and how European contact and settlement impacted the people and their cultures. Visitors will encounter ceremonial and everyday objects, such as clothing and tools, as well as ceremonial objects and some of the oldest artifacts in the Museum’s collection—amongst them one of the oldest representations of a human face. Visitors will also discover ancient and contemporary interpretations of myths and other traditional ways of knowledge, as well as videos, art and vivid dioramas.
Saturday 8:30 AM

The following sessions all start at 8:30. The end times vary with the type of session as indicated. Ninety-minute sessions are listed first, followed by 40-minute sessions.

Symposia
8:30 AM–10:00 AM
Enhancing Education: Exploring Food, Agriculture, and the Environment
8:30 AM–10:00 AM, Room 210
Explore food, agriculture, and environmental issues to develop critical literacy, correct misconceptions, and meet curriculum expectations/standards. Motivate students to develop skills needed to analyze overwhelming amounts of information by using real-life issues that will affect their futures.
Presenter(s): Elizabeth A Wolanyk, Project Food, Land & People
Strand: ● ●

Reconnecting Youth to Nature—Discovering the Greatest Classrooms on Earth
8:30 AM–10:00 AM, Room 215
Geoff Green, with his inspiring career connecting youth to nature, leads a dynamic and thought provoking panel of dynamos in environmental education as they tackle challenging questions regarding the trend of youth disconnecting from nature.
Presenter(s): Geoff Green (Moderator), Students on Ice; James Bartram, Canadian Wildlife Federation; Lisa (Diz) Glithero, Teaching Faculty, Ph.D. Candidate, University of Ottawa; Alan Latourelle, Parks Canada; Marlene Power, Forest School Canada; Remy Rodden, Government of Yukon
Strand: ● ●

Hands-on Presentations
8:30 AM–10:00 AM
Big Ideas of Environmental Science—What Should Kids Know?
8:30 AM–10:00 AM, Room 102
Over the course of a five-year research project, we have learned much about students’ understanding of water, carbon, and biodiversity, and how they use that knowledge to make decisions. Join us for discussion and investigations on teaching the big ideas.
Presenter(s): Cornelia Harris, Cary Institute of Ecosystem Studies; Alan R. Berkowitz, Cary Institute of Ecosystem Studies
Strand: ● ●

Building a Community of Gardeners Plant by Plant
8:30 AM–10:00 AM, Room 202
Find out how to begin a sustainable school/community gardening program drawing resources from unlikely sources such as Monticello. Resources and grant funding sources will be shared along with a plethora of inquiry-based activities that will grow an existing science curriculum.
Presenter(s): Tanna H. Nicely, Knox County Schools/TEEA
Strand: ● ●
Engaging Students in Conservation Through Redwoods: Using Citizen Science, Smartphones, and Scientific Data
8:30 AM–10:00 AM, Room 204
Learn hands-on activities which bring citizen science and scientific data analysis into the classroom. This curriculum engages students in redwood conservation and introduces the topic of climate change. Students collect and analyze their own data using smartphones, cameras and GPS devices.
Presenter(s): Deborah Zierten, Save the Redwoods League

Interactive Classroom Resources for Teaching Climate: Easy, Engaging, and Free
8:30 AM–10:00 AM, Room 211
Earth’s climate is dynamic and its history is written in the rocks. This session will highlight free multimedia resources developed for teaching about past, present, and future climate change.
Presenter(s): Mark Nielsen, Howard Hughes Medical Institute

Learning from Litter
8:30 AM–10:00 AM, Room 213
Get your hands dirty to learn how to transform the community service of litter clean-up into academically rich service learning teaching Science, Math, History, English, and Art. Learn how a cell phone can track and study litter using the Litterati platform.
Presenter(s): Nate Ivy, Alameda County Office of Education

Bright Spots and Great Ideas
8:30 AM–10:00 AM
Learn about four or five successful and loosely related programs in each 90-minute Bright Spots and Great Ideas session.

Group A
8:30 AM–10:00 AM, Room 203
An Eco-Mentor Partnership Program for Teacher Candidates
Inspiring role models often prompt young people to become interested in the environment and adopt sustainable behaviours. This program aims to inspire and prepare the next generation of educators to provide such a model; to become eco-mentors.
Presenter(s): Paul Elliott, Trent University

An Innovative Early Childhood Environmental Education Professional Development Initiative
This session highlights innovative courses that could serve as national models in providing locally meaningful professional development in early childhood environmental education. The courses also emphasize content-based, emergent, and integrated curriculum approaches.
Presenter(s): Yash Bhagwanji, Florida Atlantic University

Innovative Instructional Practices: Moving Forward Through Communities of Practice
This presentation focuses on a successful project where teachers learned how to engage students in real-world STEM lessons while using technology to develop 21st century literacy skills. Communities of practice will be developed within schools to support innovative instructional practices.
Presenter(s): Michelle A Mileham, Oregon State University

Surviving the Crisis: The Resiliency of Environmental Education Centers
Within the decentralized structure of Environmental Education Centers, appointed teachers have the opportunity and motivation to plan, test, and implement environmental programs. This research probes for structural characteristics that add to the resiliency of analogous systems.
Presenter(s): Constantinos Yanniris, McGill University
**Group B**

8:30 AM–10:00 AM, Room 212

**Blindfolds, Binoculars, and Tablets Enhance Outdoor Curiosity**

Tablets and digital microscopes should be added to the list of tools utilized by environmental educators. These mobile devices create opportunities for in-depth investigation, photojournalism, and data entry while utilizing modern technology to keep students engaged.

Presenter(s): Ilya Shmulenson, Keep Austin Beautiful

**Finding the Wow! in Microscopic Environments**

Why are feathers so strong? What does dirt look like up close? Use your iPads and iPods, and a ProScope, to explore the microscopic environment all around us.

Presenter(s): Jeff Scott, Nipissing University; Astrid Steele, Nipissing University

**National Geographic’s Great Nature Project: Science and Education Through Photography**

The Great Nature Project is a global celebration of biodiversity. People of all ages are invited to contribute to science and education by taking pictures of plants, animals, and other living things, and then sharing those pictures on GreatNatureProject.org.

Presenter(s): Mary Ford, National Geographic Society; Sean O’Connor, National Geographic Society

**Online Outreach: Using Technology to Inspire a New Audience**

Last year, Phipps Conservatory reached 15,000 people through its outreach efforts. Using online tools, Phipps connected visitors to their mission like never before. Learn how to use blogs and social media to help your organization do incredible outreach!

Presenter(s): Melissa Ann Harding, Phipps Conservatory and Botanical Gardens; Amanda Joy, Phipps Conservatory and Botanical Gardens

**WeExplore: Promoting Environmental Action Through Technology-Enhanced Student Adventure Learning**

This session will introduce and provide hands-on activities related to a new, free mobile, and online learning environment called WeExplore that scaffolds learners through field-based inquiry as they collect, organize, and share artifacts tied to their own adventure-based environmental missions.

Presenter(s): Jeni Henrickson, University of Minnesota; Aaron Doering, University of Minnesota

**Traditional Presentations**

8:30 AM–9:10 AM

**Alberta Tomorrow: GIS Technology to Visualize Our Impact on the Environment.**

8:30 AM–9:10 AM, Room 103

This smartphone and tablet app uses GIS to meaningfully show our impacts on the water, air and land. Time travel into the past or future, store and share field data, and become actively engaged in creating a sustainable land-use plan for the future.

Presenter(s): Jennifer Janzen, Alberta Tomorrow Foundation

**Aquaponics and Composting: Using Problem Based Learning to Teach Sustainability**

8:30 AM–9:10 AM, Room 104

Interested in incorporating problem-based learning, technology, and hands-on learning to teach sustainability? Learn how two small-scale projects (composting and aquaponics) have developed into year-long rigorous, fun, learning opportunities that have involved the entire school community.

Presenter(s): Emily Dethloff, School District of New Berlin

**Audubon Rockies Community Naturalist Program as a Vehicle for Citizen Science**

8:30 AM–9:10 AM, Room 105

Audubon Rockies uses its community naturalist program as a vehicle to promote sound citizen science throughout the Rocky Mountain Region. The program reaches more than 4,000 citizens of all ages in any given year.

Presenter(s): Jacelyn Downey, Audubon Rockies; Dustin Downey, Audubon Rockies

**Australian Bush Kinder: Connecting Children, Families, and Educators with Nature**

8:30 AM–9:10 AM, Room 106

The forest preschool approach is emerging internationally connecting children, families and educators with nature. This evaluative study of an Australian “Bush Kinder” pilot program describes the empowering journey about play in nature experienced by children, parents, educators, and their communities.

Presenter(s): Sue Elliott, University of New England
Connect2Science Through Nature: Professional Development for K–12 Educators
8:30 AM—9:10 AM, Room 107
Discover activities and approaches that link environmental education with the Next Generation Science (NGSS) Standards, Science, Technology, Engineering, and Mathematics (STEM) education, and Environmental Literacy. This hands-on and project-based approach to professional development impacts both formal and informal educators.
Presenter(s): Stephanie Wagner, Portland State University; Matthew Collins, Friends of Tryon Creek
Strand: A Dialogue on Environmental Learning and Experience
A Dialogue on Environmental Learning and Experience
8:30 AM—9:10 AM, Room 101
Learn how a collaborative cross-sector group of education partners created a K–12 interdisciplinary framework using “environment” as an organizing theme. The dialogue includes participatory action research, critical document analysis, focus groups, and cross-sector multi-media professional development to support implementation.
Presenter(s): Connie Cirkony, BC Ministry of Education; Victor James Elderton, Pacific Foundation for Understanding Nature Society
Strand: Weaving Networks to Strengthen Environmental Education in Alberta
Weaving Networks to Strengthen Environmental Education in Alberta
8:30 AM—9:10 AM, Room 108
Listen, follow, lead! We have been creating online and face-to-face space for the environmental education community in Alberta to come together to connect and explore collaborative opportunities to advance their work. Come learn from our successes and challenges.
Presenter(s): Christina Pickles, Alberta Council for Environmental Education
Strand:

Saturday 9:00 AM
Meeting
9:00 AM—11:30 AM
Accreditation Review Panel
9:00 AM—11:30 AM, Room 201
Accreditation Review Panel and Accreditation Advisory Board.
By invitation.

Saturday 9:20 AM
The following are all 40-minute sessions that start at 9:20 AM and end at 10:00 AM.

Traditional Presentations
9:20 AM—10:00 AM
Climate Change Impacts on Forests: Learning How Scientists Make Predictions
9:20 AM—10:00 AM, Room 103
Our 10-day life science unit “Climate Change and Michigan Forests” allows middle school students to learn how climate change impacts forests by using an online, interactive graphing tool. It introduces students to how scientists use mathematical models to make predictions.
Presenter(s): Erin Burkett, University of Michigan; Jennifer Carman, University of Michigan; Michaela Zint, University of Michigan; Travis Hlavaty, University of Michigan School of Natural Resources and Environment; Genevieve Leet, University of Michigan School of Natural Resources and Environment
Strand:

Connecting Adolescents to Nature Through an Environmental Service Learning Program
9:20 AM—10:00 AM, Room 108
“If a 15-year-old girl like me cares about the river, you should too!” This session describes students’ connection to nature and concern for the environment that emerged through interviews and written work during an 8-week service learning program.
Presenter(s): Eileen Merritt, University of Virginia; Christopher Rates, University of Virginia
Strand:
Experiential Education Fellowship: Inquiry-Based Professional Development for Science/Environmental Education Practitioners
9:20 AM–10:00 AM, Room 107
Experiential Education Fellowships engage U.S.-based science/environmental education teachers in inquiry-based field investigations internationally. Practitioners take away tools to replicate their own school or community projects. Our programs promote environmental literacy and critical thinking based on Next Generation Science Standards.
Presenter(s): Miguel Fuentes, Ecology Project International; Eylen Zuniga, Ecology Project International
Strand: ● 🌿

Exploring Student Agency in the Confluence of Environmental and Civics Education
9:20 AM–10:00 AM, Room 101
“Good stewards” or “change-makers?” Join a lively conversation on current EE policy and practice framed by findings from a doctoral research study aimed at exploring how youth, nationally recognized as eco-civic leaders in Canada, perceive their own sense of agency.
Presenter(s): Lisa (Diz) Glithero, University of Ottawa
Strand: ● 🌿

Expressing Sustainability Literacy Through Discussing Petroleum Exploitation
9:20 AM–10:00 AM, Room 104
In this study, we look at how a group of Norwegian high school students draw on the concept of sustainable development to critically discuss the possibility of petroleum exploitation close to their hometown.
Presenter(s): Giuliano Reis, University of Ottawa; Richard Barwell, University of Ottawa; Kjellrun Hiis Hiis Hauge, Bergen University College
Strand: ● 🌿

Magic of a Stick: Joys of Learning Outside with Children
9:20 AM–10:00 AM, Room 106
We will share the process of designing and implementing a Nature Kindergarten in Sooke, British Columbia. For the past two years, we have researched and documented the learning/teaching that can happen outside of a kindergarten classroom in a natural setting.
Presenter(s): Enid Elliot, Camosun College; Frances Krusekopf, Sooke School District
Strand: ● 🌿

Student Research Teams and NGOs: Collaborations to Empower Fracked Communities
9:20 AM–10:00 AM, Room 208
We really are “all” in this together. This session explores a collaborative environmental education program where student researchers and non-governmental organizations serve disenfranchised communities impacted by fracking activities. This interdisciplinary program connects the community/university/NGO triad to promote sustainability.
Presenter(s): Mary Ellen Cassidy, FracTracker Alliance
Strand: ●

Wildlife-Friendly Gardens and Citizen Science
9:20 AM–10:00 AM, Room 105
Join us as we share success and challenges creating a garden with a group of youth at a juvenile detention facility. We’ll share tips on working with unique and challenging audiences, benefits to gardening, and how to support native wildlife.
Presenter(s): Lisa Forzley, Detroit Zoological Society; Claire Lannoye-Hall, Detroit Zoological Society
Strand: ●

Roundtable Discussions
9:20 AM–10:00 AM
Bringing the Outdoors Indoors: Environmental Education in the Classroom
9:20 AM–10:00 AM, Room 205/207, Table 1
Create a river of words and a seeds to trees art journal with NYS Outdoor Education Association’s Art & Literary Award winning author Nancy Castaldo as she demonstrates engaging activities that bring environmental topics, such as sustainability and climate change, alive in the classroom.
Presenter(s): Nancy Castaldo, Author
Strand: ● 🌿
Digital Community Mapping for Meaningful Service Learning
9:20 AM–10:00 AM, Room 205/207, Table 2
This session explores how digital community mapping enhances a student environmental service project. Attendees learn to create a digital map to identify a local environmental need and implement a project that can be digitally shared amongst all participants and collaborators.
Presenter(s): Stephanie Keller, the Jane Goodall Institute; Shawn Sweeney, the Jane Goodall Institute
Strand: Sense of Wonder—Nature Journaling
9:20 AM–10:00 AM, Room 205/207, Table 3
Come be inspired to rekindle your sense of wonder by making your own nature journal and learning innovative ways to use that journal. Connections to the Common Core Standards and 5E lesson plans will be shared.
Presenter(s): Molina Walters, Arizona State University; Teresa Schretter Coker, Green Mountain College
Strand: Toronto Kindergarten Students’ Understandings of Nature: Implications for the Future
9:20 AM–10:00 AM, Room 205/207, Table 4
Some Toronto kindergarten students indicated that they understand “nature” as non-urban, having animals but few or no people. Information about students’ prior understandings of “nature” raises questions about what environmental education should aim to do and where it should take place.
Presenter(s): A. Elizabeth Beattie, University of British Columbia
Strand: Uncovering Teens’ Misconceptions About Climate Change
9:20 AM–10:00 AM, Room 205/207, Table 5
This session summarizes a literature review about high school students’ common misconceptions about climate change and preliminary results from an assessment of students’ prior knowledge. Adequate conceptions and teaching strategies will be discussed.
Presenter(s): Christine (Jie) Li, University of Florida; Martha C. Monroe, University of Florida
Strand: Poster Presentations
9:20 AM–10:00 AM
10a) EE Flash
9:20 AM–10:00 AM, Room 214
EE Flash is an innovative, site-based, carefully designed, standards driven, STEM inspired spontaneous Environmental Education initiative, that is interactive and has proven to be a highly effective teaching tool.
Presenter(s): Karen S Christensen, Sacred Heart University
Strand: How Indigenous youth Can Contribute to Water Worldviews and Education
9:20 AM–10:00 AM, Room 214
Come for a paddle in the learning canoe! This presentation will discuss water worldviews and water education and the perspectives of 30 Cree high school students who participated in a two-week canoe trip while developing educational materials related to water.
Presenter(s): Kristy Franks, Concordia University
Strand: An Innovative Multidisciplinary School Program for Ages 3 to Grade 12
9:20 AM–10:00 AM, Room 214
Learn how our school is using its campus as an outdoor classroom for nature studies for preschool to grade 12 students. Each age level has specific linked themes that also serve as a resource for residents within the community.
Presenter(s): Dean Goodwin, The Tanall School; Nancy Flanagan, The Tanall School; Gregory Mentzer, The Tanall School; Peter Bookman, The Tanall School; Karen Barker, The Tanall School; Sharon Kreamer, The Tanall School
10d) Nature Detectives: A STEM Camp Experience for Preschool Children  
9:20 AM–10:00 AM, Room 214
This presentation will present children’s nature experiences during a weeklong day camp program. A description of the program as well as program challenges and outcomes will be provided via a brief presentation followed by discussion. 
Presenter(s): Vanessa Ann Klein, Kent State University

Strand:  ● ●

10e) A Transactional Evaluation of the Kentucky Children’s Garden  
9:20 AM–10:00 AM, Room 214
A transactional model of evaluation was used to assess the demographics of children accessing the Kentucky Children’s Garden, and parent and teacher perceptions of the program were assessed. Survey and interview data were collected, and educational objectives were aligned with standards. 
Presenter(s): Meg Gravil, University of Kentucky; Katherine Reynolds, University of Kentucky

Strand:  ● ●

Saturday 10:00 AM
Coffee Break  
10:00 AM–10:30 AM

Putting the Accent on Posters  
10:00 AM–10:30 AM, Rideau Canal Atrium
During this final coffee break, browse the poster presentations on display just down the hall in Room 214. Many presenters will be on hand to talk about their work. (Posters close at noon.)

Saturday 10:30 AM

The following sessions all start at 10:30 AM. The end times vary with the type of session as indicated. 90-minute sessions are listed first, followed by 40-minute sessions.

Symposia  
10:30 AM–12:00 PM

Stories from the Field: A Dialogue on Impactful Place-Based Education  
10:30 AM–12:00 PM, Room 215
What are key ingredients for impactful place-based education programs? What can programs in Canada learn from each other? Participants will explore questions such as these by swapping stories, lessons learned, and proven practices for place-based education programs that promote connection to nature. 
Presenter(s): Ryan Barfoot, Outdoor & Ecological Learning (SD47); Lisa (Diz) Glithero, University of Ottawa; Margaret McKeon, Newfoundland and Labrador English School District; Bruce Gordon Ford, Metro Vancouver and EECOM

Practical Technology for Environmental Field Studies  
10:30 AM–12:00 PM, Room 213
This session will explore several appropriate technologies that enhance environmental field investigations. Presenters will share instructional methods and work samples from educator professional development programs. During the hands-on component, attendees will complete an outdoor investigation. 
Presenter(s): Melinda Wilder, Eastern Kentucky University; Billy Bennett, Eastern Kentucky University

Strand:  ● ●

Natural Curiosity: Inquiry-Based Environmental Education  
10:30 AM–12:00 PM, Room 211
The workshop will look at the four-branch framework found in the resource Natural Curiosity—inquiry-based learning, integrated learning, experiential learning, and stewardship. This workshop will provide opportunities for reflective dialogue, present real-life teacher stories, and engage in knowledge building. 
Presenter(s): Nikki Fletcher, Natural Curiosity, Dr. Eric Jackman Institute of Child Study; Andrea Russell, Natural Curiosity, Dr. Eric Jackman Institute of Child Study

Practical Technology for Environmental Field Studies  
10:30 AM–12:00 PM, Room 213
This session will explore several appropriate technologies that enhance environmental field investigations. Presenters will share instructional methods and work samples from educator professional development programs. During the hands-on component, attendees will complete an outdoor investigation. 
Presenter(s): Melinda Wilder, Eastern Kentucky University; Billy Bennett, Eastern Kentucky University

Strand:  ● ●
Bright Spots and Great Ideas  
**10:30 AM–12:00 PM**

Learn about four or five successful and loosely related programs in each 90-minute Bright Spots and Great Ideas session.

**Group A**  
**10:30 AM–12:00 PM, Room 203**

**Getting Students “Into Nature”**
A free, bilingual elementary resource by Ontario’s Back to Nature Network guides teachers outdoors, helping them to meet outcomes from across the curriculum in schoolyards and local parks. Find out how easy it is to step “Into Nature” with students!

*Presenter(s): Barbara McKean, Royal Botanical Gardens*

**“Gikinoo’wizhiwe Onji Waaban” or “G-WOW” Changing Climate, Changing Culture**
The “G-WOW” climate literacy model links science and culture by revealing climate impacts on the sustainability of key species supporting traditional Ojibwe lifeways. G-WOW is a culturally inclusive tool for increasing climate literacy and promoting community response.

*Presenter(s): Cathy Techtmann, University of Wisconsin–Extension*

**Human Powered Conservation: WILD Education**
The Canadian Wildlife Federation uses innovative tools to spread environmental education, including expeditions, projects, and e-learning resources that connect people with nature. This session will explore hands-on activities and digital resources that bring environmental education to life in the classroom.

*Presenter(s): Christine Kelly, The Canadian Wildlife Federation*

**Who’s Teaching Who? Simultaneous Education for Scientists and the Public**
Educators can play a key role in uniting scientists and the public, allowing them to learn from one another, while combating scientific illiteracy. Learn tips for connecting and simultaneously educating scientists and the public at your organization.

*Presenter(s): Melissa Ann Harding, Phipps Conservatory and Botanical Gardens; Amanda Joy, Phipps Conservatory and Botanical Gardens*

**Group B**  
**10:30 AM–12:00 PM, Room 212**

**Community Arts ReUse Centers**
Come hear about an exciting community resource with a three-fold mission: redirecting “waste” from landfills, providing art/craft materials for educators, promoting ReUse culture. This model encourages both environmental and arts education all in one!

*Presenter(s): Jennifer N. Wyld, Oregon State University*

**Environment and Arts: Using Arts to Green a School Community**
This presentation discusses the use of arts integration methods to achieve environmental literacy and Common Core standards in the classroom and how we engaged teachers, administrators, parents, and the greater community in redefining underutilized green spaces in Milwaukee Public Schools.

*Presenter(s): Sean Kiebzak, Arts @ Large*

**Move Over Mickey! Using Trading Cards to Foster Connections to Nature**
In the heyday of trading card collection Mickey Mantle was the star. Pokemon created collection fever amongst the young set in the ‘80’s and ‘90s. Now, use the concept of NATURE trading cards to support nature connections and communication skills in children.

*Presenter(s): Diane M. Lawrence, Queen’s University, Faculty of Education*

**Moving Carbon, Changing Earth: Bringing the Carbon Cycle to Life**
Understanding the carbon cycle is at the heart of understanding conservation, since energy production and use and climate change are intimately tied to this cycle. We make the carbon cycle accessible to the public through a new, interactive museum exhibit.

*Presenter(s): Ingrid Zabel, Paleontological Research Institution*
Meeting
10:30 AM–11:10 AM

NAAEE Business Meeting
10:30 AM–11:10 AM, Room 210
We welcome your input! Join NAAEE’s President, Executive Director, board, and staff for a discussion on the current state of the organization and future directions for NAAEE. Topics will include strategic planning, a financial report, and your questions. Coordinators: Judy Braus, NAAEE; Jose Marcos-Iga, Environmental Education Exchange
Strand: ●

Traditional Presentations
10:30 AM–11:10 AM

Green Schools Alliance: Cultivating Engagement Through Grassroots Sustainability Networks
10:30 AM–11:10 AM, Room 105
GSA member school case studies highlight how GSA programs and partnerships foster an empowering grassroots network within and between schools. Programs discussed will include the GSA online community, Green Cup Challenge, Sc3, Renewable Energy Purchasing Consortium, and GSAX regional events.
Presenter(s): Katy Perry, Green Schools Alliance; Curry Rosato, Green Schools Alliance
Strand: ●

How EE Teachers Respond to Scientific Data: Two Projects’ Findings
10:30 AM–11:10 AM, Room 107
The STORE and DICCE projects have aimed to make it easier and more compelling for teachers to use certain web-based Earth system data sets in the classroom. Four years of findings reveal diverse instructional responses, curricular adaptations, and classroom outcomes.
Presenter(s): Daniel R. Zalles, SRI International
Strand: ●

Impact of iPads in Outdoor Environmental Education Programs
10:30 AM–11:10 AM, Room 106
Technology has become an essential part of our daily lives, though little is known of the specific role technology plays in environmental education programs. Come learn about the use of iPads in environmental education programs and their impact on the learning experiences of children.
Presenter(s): Joy Kacoroski, Wisconsin Center for Environmental Education; Steven C. Kerlin, University of Wisconsin–Stevens Point
Strand: ●

Intercultural Effectiveness in Outdoor Experiential Education
10:30 AM–11:10 AM, Room 101
Building bridges between students’ cultural norms and practices is essential to engage students from diverse cultures in outdoor experiential education. Design and facilitate effective professional learning to help your staff improve their knowledge and strengthen their culturally relevant teaching practices.
Presenter(s): Pamela Miller, Toronto District School Board; Bonnie Anderson, Peel Field Centres
Strand: ●

Next Generation Science Through Stormwater
10:30 AM–11:10 AM, Room 108
Rain falling and snow melting, that’s stormwater. We use it to teach Next Generation Science practices with 757 students in ten schools. We’ll show:
- Student action projects
- Toolkit of equipment and activities
- Evaluation data and success stories
Presenter(s): Donny E. Roush, Earth Force
Strand: ●

There’s an App for That: Connecting Learners to Wildlife
10:30 AM–11:10 AM, Room 103
Technology doesn’t have to be a distraction! Learn about two apps created by Lincoln Park Zoo that enhance EE by engaging learners and connecting them to wildlife. Apps may be used as is or as a model to create your own.
Presenter(s): Emma Martell, Lincoln Park Zoo; Sarah Miller, Lincoln Park Zoo
Strand: ●
What Can I Do in 15 Seconds? Using Micro-Video in EE Practice (Part 2)
10:30 AM–11:10 AM, Room 104
Lights, Smartphone, Action! We will convene to share the videos we created during the conference, and discuss future opportunities for video journaling. Join us and see what your fellow participants created during the week.
Presenter(s): Justin Smith, Cornell University
Strand:
Roundtable Discussions
10:30 AM–11:10 AM

Anthrascapes: EE Capacity Within Legacy Anthracite Landscapes from Northeastern Pennsylvania
10:30 AM–11:10 AM, Room 205/207, Table 1
Presenter(s): Robert E. Hughes, Eastern PA Coalition for Abandoned Mine Reclamation (EPCAMR)
Strand:

Creating Awareness, Changing Behaviors: KEEP’s Approach to Increasing Energy Literacy
10:30 AM–11:10 AM, Room 205/207, Table 2
The Wisconsin K-12 Energy Education Program (KEEP) provides a multi-faceted approach in helping educators incorporate energy concepts into their curriculum. From professional development to online games to take-home pieces; learn how KEEP drives sustainable behavior changes at school and home.
Presenter(s): Sara Windjue; Kelly Smith, Wisconsin K-12 Energy Education Program (KEEP); Jamie Mollica, University of Wisconsin–Stevens Point
Strand:

Discovering Sense of Place Through Place-Based Journaling
10:30 AM–11:10 AM, Room 205/207, Table 3
How can environmental educators help students discover their personal sense of place? The presenters will share digital and print examples of place-based journaling from a graduate course that delves into geography, archaeology, geology, climate, ecology, and personal experiences.
Presenter(s): Deepti Kharod, University of Texas at San Antonio; Christine E. Moseley, University of Texas at San Antonio
Strand:

Environmental Education Advocacy Basics: Securing the Future of the Field
10:30 AM–11:10 AM, Room 205/207, Table 4
Advancing environmental education requires great teaching, and now, advocacy for the field. This presentation will cover advocacy basics at the provincial and local levels, including skills needed to work with legislators and other decision makers who oversee education policy.
Presenter(s): Brock Morris Adler; Traci Price, The Oregon Community Foundation
Strand:

Environmental Immersion Day: Breaking the Science Mold
10:30 AM–11:10 AM, Room 205/207, Table 5
What is a "scientist" and do I want to be one? Discover how one community is breaking the stereotype and showing high school students the many faces of scientists and the many opportunities of a science career.
Presenter(s): Thaddeus Foote, Fairchild Tropical Botanic Garden
Strand:

It’s Easy Being Green—Simple Ideas for Incorporating Eco-Education
10:30 AM–11:10 AM, Room 205/207, Table 6
Are you looking for creative ways to incorporate environmental education into your classroom, while fulfilling curriculum requirements? This hands-on workshop by experienced environmental educators demonstrates how to use engaging, teacher/student friendly activities for environmental learning in K–12 classrooms.
Presenter(s): Diana Brushey, Tucker House, CanaDiana UnlimiTed; Lorna McLean, University of Ottawa; Laura Leet, SEED Educators, Maison Tucker House, OCDSB
Strand:
Preparing Youth for Academic Success and Environmental Careers Using the Common Core Standards
10:30 AM–11:10 AM, Room 205/207, Table 7
This workshop introduces Roots of Success, the first environmental literacy and job readiness curriculum aligned to the new Common Core Standards. Specifically designed for students struggling in high school, the curriculum effectively engages all levels and learning styles.
Presenter(s): Raquel Pinderhughes, Roots of Success
Strand: ●

Poster Presentations
10:30 AM–11:10 AM

11a) Classroom Aquaponics: Measuring Outcomes of a 3-Year Service Learning Experience
10:30 AM–11:10 AM, Room 214
The Food for Sustainability project at Allegheny College has utilized aquaponics to integrate campus operations, research, coursework, and community engagement. Here we present the outcomes of a 3-year initiative that has placed college students in local classrooms using aquaponics as a platform for environmental education.
Presenter(s): Thomas D. Eatmon, Allegheny College; Sydney Bedford, Allegheny College; Jessica Stickel, Allegheny College
Strand: ●

11b) Fun Green Lessons for Elementary School
10:30 AM–11:10 AM, Room 214
Explore how being “green” can be an engaging context for teaching core content and skills in grades K–3! Fun, hands-on, low cost, and “ready to go” activities will highlight three focus areas: energy, water, and biodiversity.
Presenter(s): Jonathan Mayer, University of Florida/Institute of Food and Agricultural Sciences Extension Service
Strand: ●

11c) Powerful Partnerships
10:30 AM–11:10 AM, Room 214
Partnerships between schools and local environmental organizations have the ability go beyond “one hit wonder” field trips and in-class visits. Join us to explore how your school or environmental organization can make powerful partnerships of your own!
Presenter(s): Laura Micco, The Environmental Charter School
Strand: ●

11d) Systems Thinking in Environmental Education: The Big Picture
10:30 AM–11:10 AM, Room 214
This poster will review strategies to incorporate systems thinking into secondary science classes to address complex environmental issues such as climate change. It will provide support from the literature about the value and importance of systems thinking.
Presenter(s): Tracey Ann Ritchie, University of Florida
Strand: ●

11e) Teaching Project-Based Environmental Science in Primary Grades
10:30 AM–11:10 AM, Room 214
Twelve 5th graders, nine months, one high school environmental science textbook. Explore a project-based curriculum designed to make upper level environmental science topics accessible (and fun!) for 5th graders through the integration of technology, language arts, and hands-on learning.
Presenter(s): Victoria Young
Strand: ●

Saturday 11:20 AM
Meeting
11:20 AM–12:00 PM
Share Your Ideas! 2015 NAAEE Conference in San Diego
11:20 AM–12:00 PM, Room 210
How can we improve on this year? We’d love to hear your thoughts! Come share your ideas and suggestions for our 44th annual conference, to be held October 15–18, 2015 in San Diego, California. Want to get involved? Volunteer for leadership positions and committees.
Coordinator: Lori Mann, NAAEE

Strand: ●
Traditional Presentations

11:20 AM–12:00 PM

Exploring Environmental Inquiry Through Art Education
11:20 AM–12:00 PM, Room 104
Explore how environmental inquiry can be supported and enhanced using art education in elementary classrooms. Learn about how students’ growing understanding of stewardship and sustainability can be developed in and through art-based learning.
Presenter(s): Hilary J Inwood, OISE, University of Toronto; Tara Rousseau, Dr. Eric Jackman Institute of Child Study, OISE/University of Toronto
Strand: ● ●

Exploring the Professional Characteristics of School-Based Environmental Education Leaders
11:20 AM–12:00 PM, Room 107
This presentation will highlight the professional characteristics of school-based environmental education (EE) leaders in elementary and secondary schools. Presented are recommendations on how to enhance the development of EE leaders in schools based on NAAEE guidelines and leadership principles.
Presenter(s): Douglas D. Karrow, Brock University; Xavier Fazio, Brock University
Strand:

Getting the Picture: A Climate Change eTextbook for Middle School
11:20 AM–12:00 PM, Room 108
We present an interactive climate change eTextbook for grades 6-8, driven by positive messages of hope and personal action. This multi-disciplinary resource uses real-world examples of scientists in action, highlights young people making a difference, and focuses on creative solutions.
Presenter(s): Karina Yager, Earth Vision Trust
Strand: ● ●

Immersive Virtual Environments for Ecosystems Learning and Preparation for Outdoor Adventures
11:20 AM–12:00 PM, Room 106
I’ll demonstrate an innovative approach for helping learners make the most of outdoor experiences. EcoMUVE is an inquiry-based program that uses immersive virtual environments to help young people learn ecosystem concepts and prepare for field trips and outdoor learning experiences.
Presenter(s): Amy Kamarainen, New York Hall of Science
Strand: ● ●

Integrating Animal Welfare and Conservation into Mainstream Education
11:20 AM–12:00 PM, Room 103
Integrating animal welfare and conservation education into mainstream education helps young people become responsible, compassionate individuals. Learn how easy and exciting it is to integrate these topics into the classroom and the positive impacts this can have on communities worldwide.
Presenter(s): Corrie Rabbe, International Fund for Animal Welfare
Strand: ● ●

Play–Learn/Serve–Work...Inspire: Evidence-Based Outdoor Classrooms Connecting People with Nature
11:20 AM–12:00 PM, Room 105
Come play! Learn how successful outdoor classrooms are being created in ways that engage youth and volunteers. See examples of nature-based play/learning spaces in diverse settings. Participate in activities that integrate nature into effective practice fitting your programmatic mission.
Presenter(s): Susan H Wirth, Arbor Day Foundation/Dimensions Educational Research Foundation; Georgia Jeppesen, U.S. Fish and Wildlife Service
Strand:

Taking EE Curriculum to the Next (Generation Science Standards) Level
11:20 AM–12:00 PM, Room 101
Learn about the research-based Next Generation Science Standards (NGSS). In this interactive session, participants will explore the NGSS’s performance expectations and integrated dimensions and ways of assessing, developing, and aligning Environmental and Residential Education curriculum to the new standards.
Presenter(s): Ana Houseal, University of Wyoming; Tayla Fulcher, University of Wyoming
Strand:

Roundtable Discussions

11:20 AM–12:00 PM

Environmental Education and NGSS
11:20 AM–12:00 PM, Room 205/207, Table 1
As schools implement Common Core and Next Generation Science Standards, educators must adapt to meet the needs of students and the environment alike. Learn how the new standards can empower students as stewards through service learning, citizen science, and action civics.
Presenter(s): Nate Ivy, Alameda County Office of Education
Strand: ●
Oil Sands Quicksand—Using Inquiry to Teach a Vital Issue
11:20 AM–12:00 PM, Room 205/207, Table 2
GreenLearning’s Oil Sands Education Dialogue tackles one of Canada’s major challenges—helping students understand the importance and challenges of Alberta Oil Sands development. Instead of loud debates, mis/disinformation, and intractable opinions, our program facilitates informed dialogue and positive collaboration between students, classes, and regions.
Presenter(s): Tim Grant, Green Teacher
Strand: 🌿 🌿

Student Research Teams Track the Impacts of Fracking on Their Community
11:20 AM–12:00 PM, Room 205/207, Table 3
Many communities impacted by fracking have concerns about water and air quality, but rarely have the funds or technical background to conduct an environmental assessment. Learn how student teams, working with NGOs, used technology and media to provide these services.
Presenter(s): Mary Ellen Cassidy, FracTracker Alliance
Strand: 🌿

To Look Closely: Science and Literacy in the Natural World
11:20 AM–12:00 PM, Room 205/207, Table 4
Discover how nature study can facilitate an integrated curriculum including science, math, and language arts in your classroom. Use the natural world to teach critical thinking, improve reading comprehension, inspire detailed written narrative, and nurture future stewards of our planet.
Presenter(s): Laurie Rubin, Ithaca City School District
Strand: 🌿 🌿 🌿 🌿

Transformative Professional Development for Systems Change: Developing the EE Champions Within
11:20 AM–12:00 PM, Room 205/207, Table 5
Join us as we share best practices from innovative teacher education programs to powerful professional development models, and learn from each other, how we might best support our new teachers and experienced practitioners in a system that is rife with barriers to progressive teaching practices.
Presenter(s): Patrick Robertson, University of British Columbia; Carlos Ormond, EECOM/Simon Fraser University
Strand: 🌿 🌿 🌿 🌿

Saturday 12:00 PM
NAAEE Awards Luncheon
12:00 PM–2:00 PM, Trillium Ballroom
Help us recognize NAAEE award recipients at the annual Awards Luncheon. We will honor individuals and organizations for their laudable work on behalf of the environment at the local, regional, national, and international levels. The awards ceremony includes presentation of the President’s Award and NAAEE’s highest honor, the Walter E. Jeske Award.

Keynote Address
12:00 PM–2:00 PM, Trillium Ballroom

JULIE SCARDINA
The Balancing Act of Environmental Education—Remove the Fear but Keep Reality

Each month on NBC’s Today Show, Julie Scardina serves as an ambassador of the animal kingdom, bringing wildlife into American homes and inspiring people to admire and protect wild animals and wild places. Julie serves as the Zoological Corporate Curator, Director of Animal Ambassador Programs and Training, and Animal Ambassador for SeaWorld, Busch Gardens, and Discovery Cove. She was a long-time regular guest on The Tonight Show with Jay Leno, and appeared for many years on animal personality Jack Hanna’s show, Animal Adventures.

Julie also serves on the board of the SeaWorld & Busch Gardens Conservation Fund supporting conservation education, habitat protection, species research, and animal rescue and rehabilitation around the world. She has traveled to conservation and environmental projects on all seven continents where she learns about issues first hand and documents people and projects that are making a difference for animals.

Julie is actively involved with several other conservation organizations, including the World Wildlife Fund, where she serves on the National Council and as a board member on the Emerging Wildlife Conservation Leaders program where Julie mentors up-and-coming leaders in conservation.

Julie co-authored the beautiful and inspiring book Wildlife Heroes, which highlights threats to wildlife and wild places across the globe and focuses on 40 people who have committed their lives to preserving species and solving some of the planet’s most pressing environmental issues.
Saturday 2:30 PM
The following sessions all start at 2:15. The end times vary with the type of session as indicated.

**Workshops**

**2:30 PM–5:30 PM**

Note: Workshops require registration and an additional fee. You may register for these workshops at the NAAEE office throughout the conference as space allows.

**Climate Change and the Greening of K–12 Education**

*2:30 PM–5:30 PM, Room 208*

After an introduction to the four dimensions of climate change, participants will be introduced to some of the best activities developed by youth educators across North America to help young people understand climate change and take action in their communities.

**Presenter(s):** Tim Grant, Green Teacher

**Strand:** making the most of media with Julie Scardina

**2:30 PM–5:30 PM, Room 205/207**

Join celebrated TV personality, conservationist, and author, Julie Scardina for a lively workshop on media training. You'll learn critical tips and tricks for getting the most of an interview, developing relationships with local media, prepping for interviews, and more. Hone your skills and have fun!

**Presenter(s):** Julie Scardina, SeaWorld

**Strand:** Strengthening Environmental Education Through Equity and Diversity

**2:30 PM–5:30 PM, Room 206**

The cultural and political context of environmental education in the 21st century demands new approaches and attention to equity and diversity. We'll explore foundational concepts and skill sets that practitioners need to meet the needs of an increasingly diverse constituency.

**Presenter(s):** Angela Park, Diversity Matters

**Strand:** Hands-on Presentations

**2:30 PM–4:00 PM**

**On-the-Go Environmental Stewardship Service Learning Kits and Projects**

**2:30 PM–4:00 PM, Room 202**

Explore ready-made kits where learning about litter translates into creek cleanups and recycling do's and don'ts turn into recycling drives. Kits are stocked with supplies and lesson plans which empower educators to engage youth in real world stewardship.

**Presenter(s):** Ilya Shmulenson, Keep Austin Beautiful

**Strand:** Seven Learning Strategies and a Systems Approach that Transform Learning

**2:30 PM–4:00 PM, Room 204**

The best of EE is the best of learning. Connecting the Dots: Key Strategies that Transform Learning (pdf at http://www.lsf-lst.ca/) outlines how linking learning to the community enhances both, positioning formal education to play an essential role in achieving sustainability.

**Presenter(s):** Stan R. Kozak, Learning for a Sustainable Future

**Strand:** Stream of Dreams Mural: Community Art and Environmental Stewardship

**2:30 PM–4:00 PM, Room 213**

This trademarked program brings art and science into the classroom to create, through a stream of painted fish, a tangible and enduring reminder that everyone in the community has a responsibility to protect our water and our environment.

**Presenter(s):** Stephanie Marie Yuill, Department of Environment and Natural Resources

**Strand:** Why Care About the Air? Strategies for Air Quality Education

**2:30 PM–4:00 PM, Room 211**

How do you teach about something you can’t see, taste, or feel? Sample several activities geared at making the abstract world of air quality more tangible, helping students make the connection between personal actions and the air we breathe.

**Presenter(s):** Roberta M. Burnes, Kentucky Division for Air Quality

**Strand:**
Bright Spots and Great Ideas
2:30 PM–4:00 PM

Learn about four or five successful and loosely related programs in each 90-minute Bright Spots and Great Ideas session.

Group A
2:30 PM–4:00 PM, Room 203

Challenging Forestry Misconceptions Through Firsthand Experiences
Forestry can be misunderstood—with strong negative beliefs in forest management and cutting down trees. How can we create a balanced perspective and create an opportunity for youth and educators to see both sides of the story?
Presenter(s): Jessica Kaknevicius, Focus on Forests
Strand:

Mapping Ecoliterate Learning: A Case Study of Ecoliteracy in High School English
When participating in a unit on stakeholder relationships in the Saint John Harbour, Saint John, New Brunswick, students drew cognitive maps to visualize their learning. The maps were analyzed for growth in ecoliteracy using Roth’s (1998) and Stables’ (1998) definitions.
Presenter(s): Velta Douglas, Ontario Institute for the Study of Education, University of Toronto
Strand:

New Passionate Voices: Encouraging Youth to Speak Up for Conservation
An innovative approach to student engagement which allows students to become advocates for their environment by sharing their experiences and the importance of conservation with elected officials to help influence public policy.
Presenter(s): Krystal Hewitt, Ducks Unlimited Canada
Strand:

Research in the Schoolyard: Connecting Students to Scientists
Come hear about a new school partnership connecting Chicago high school students to scientists in the Urban Wildlife Institute at Lincoln Park Zoo. This Public Participation in Scientific Research (PPSR) project helps students identify local wildlife, from birds to bats.
Presenter(s): Emma Martell, Lincoln Park Zoo
Strand:

Group B
2:30 PM–4:00 PM, Room 212

Community Outreach: Using Radio for Biodiversity Conservation in Laos
This session will provide insight into the development, distribution, and success of biodiversity themed radio programming to raise the environmental awareness of rural, natural resource dependent populations in Lao PDR.
Presenter(s): Muas Yachithor, Wildlife Conservation Society
Strand:

Linking Environmental Education with Livelihood Options Works Better for Conservation
Reducing human pressure on Sundarbans mangrove forest biodiversity by community based environmental education and climate adaptive livelihood promotion programme in coastal Bangladesh.
Presenter(s): ATM Zakir Hossain, Jagrata Juba Shangha
Strand:

Private Yards to Public Parks: Invasive Plants Know No Boundaries
Without educating and partnering with private landowners, invasive plant management in parks and natural areas is futile. The Yards to Parks program was therefore launched through multi-agency collaborations with homeowners.
Presenter(s): Amanda Burnett, University of Florida/Institute of Food and Agricultural Sciences, Nassau County Extension
Strand:

Upper Mississippi River Symposium Empowers Citizens to Solve River Problems
A big river curriculum guide and culminating high school symposium positively impacts high school students’ confidence and attitudes in working together to solve big river issues of sedimentation, hypoxic zones, flood plains, coal fly ash ponds, and invasive species.
Presenter(s): Elaine Abusharbain, Southern Illinois University Edwardsville
Strand:
Ranching for Conservation: Sustaining Biodiversity, Livelihoods, and Communities in the Northern Great Plains
Audubon Rockies aims to conserve a network of fully-functioning grasslands across the Northern Great Plains. A large portion of the land is managed by ranchers, so Audubon’s education programs and our work with the ranching community will be critical to achieving a healthy ecosystem.
Presenter(s): Jacelyn Downey, Audubon Rockies; Dustin Downey, Audubon Rockies
Strand: ●

Waste Paper to Currency: Road to Green Campuses
*Waste Paper to Currency: Road to Green Campuses*, demonstrating the monetary value of waste paper will increase the sensitivity and awareness about waste paper recycling.
Presenter(s): Dagmawi Mulugeta Degefu, Addis Ababa University/Horn of Africa Regional Environmental Center
Strand: ●

Facts & Figures
The Prince Edward Island oyster industry, along with its famous Malpeque oysters, have earned a world-renowned reputation for their supreme quality, great taste, and can be found in fine dining establishments, oyster bars, and kitchens across the world.
PEI oyster growers annually harvest approximately 2 million pounds of oysters at a value of $2 million.

Conference Venues
- 1972 Hot Springs, Arkansas
- 1973 St Louis, Missouri
- 1974 San Francisco, California
- 1975 New Orleans, Louisiana
- 1976 Atlanta, Georgia
- 1977 Estes Park, Colorado
- 1978 Chicago, Illinois
- 1979 Blacksburg, Virginia
- 1980 Albuquerque, New Mexico
- 1981 Kentucky Dam Village SP, Kentucky
- 1982 Silver Bay, New York
- 1983 Ypsilanti, Michigan
- 1984 Lake Louise, Alberta
- 1985 Chevy Chase, Maryland
- 1986 Eugene, Oregon
- 1987 Quebec City, Quebec
- 1988 Orlando, Florida
- 1989 Estes Park, Colorado
- 1990 San Antonio, Texas
- 1991 St. Paul, Minnesota
- 1992 Toronto, Ontario
- 1993 Big Sky, Montana
- 1994 Cancun, Mexico
- 1995 Portland, Maine
- 1996 Burlingame, California
- 1997 Vancouver, British Columbia
- 1998 Atlanta, Georgia
- 1999 Cincinnati, Ohio
- 2000 South Padre Island, Texas
- 2001 Little Rock, Arkansas
- 2002 Boston, Massachusetts
- 2003 Anchorage, Alaska
- 2004 Biloxi, Mississippi
- 2005 Albuquerque, New Mexico
- 2006 St. Paul, Minnesota
- 2007 Virginia Beach, Virginia
- 2008 Wichita, Kansas
- 2009 Portland, Oregon
- 2010 Buffalo-Niagara, New York
- 2011 Raleigh-Durham, North Carolina
- 2012 Oakland, California
- 2013 Baltimore, Maryland
- 2014 Ottawa, Ontario

**SATURDAY**
Environmental Education Association of Alabama
Alberta Council for Environmental Education
Alaska Natural Resources and Outdoor Education Association
Arizona Association for Environmental Education
Arkansas Environmental Education Association
California Association for Environmental and Outdoor Education
Canadian Network for Environmental Education and
Communication (EECOM) /Le réseau canadien pour d’éducation
et de communication relatives à l’environnement
Colorado Alliance for Environmental Education
Delaware Association for Environmental Education
District of Columbia Environmental Education Consortium
League of Environmental Educators in Florida
Environmental Education Alliance of Georgia
Hawaii Environmental Education Alliance
Idaho Environmental Education Association
Environmental Education Association of Illinois
Environmental Education Association of Indiana
Iowa Conservation Education Coalition
Kansas Association for Conservation and Environmental Education
Kentucky Association for Environmental Education
Louisiana Environmental Education Association
Maine Environmental Education Association
Maryland Association for Environmental & Outdoor Education
Massachusetts Environmental Education Society
Mexico Centro de Información y Comunicación Ambiental de Norte América
Michigan Alliance for Environmental and Outdoor Education
Minnesota Association for Environmental Education
Mississippi Environmental Education Alliance
Missouri Environmental Education Association
Montana Environmental Education Association
Nebraska Alliance for Conservation and Environmental Education
New England Environmental Education Alliance
New Hampshire Environmental Educators
Alliance for New Jersey Environmental Education
Environmental Education Association of New Mexico
New York State Outdoor Education Association
Environmental Educators of North Carolina
North Dakota Coalition for Conservation and Environmental Education
Environmental Education Council of Ohio
Oklahoma Association for Environmental Education
Environmental Education Association of Oregon
Pennsylvania Association of Environmental Educators
Rhode Island Environmental Education Association
Saskatchewan Outdoor and Environmental Education Association
Environmental Education Association of South Carolina
Environment Education Connections of South Dakota
Tennessee Environmental Education Association
Texas Association for Environmental Education
Utah Society for Environmental Education
Virginia Resource-Use Education Council
Vermont Statewide Environmental Education Programs
E3 Washington
West Virginia Environmental Education Association
Wisconsin Association for Environmental Education
Wyoming Association for Environmental Education
NAAEE Staff and Board

2014 NAAEE Board of Directors

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Christy Merrick, Program Director, Natural Start Alliance
Mary Ocwieja, Technology and Member Services Manager
Betty Olivolo, Assistant Director, Natural Start Alliance
Drew Price, Senior Program Associate

Consultants

Alicia Dimaio, Conference Planning
Bob Ertter, Human Resources
Rob Stewart, Technology
Katrina Sweeney, Accounting
Sylvia and Steve Weir, Weirdesign

Interns and Fellows

Morgan Cottle, Fellow
Alex Kudryavtsev, Fellow
Yue Li, Fellow
Cindy-Lee Cloete, Intern
Dale Herr, Intern
Kendrick Lewis, Intern
Briana Perlson, Intern
WHAT’S IN THE FORECAST FOR YOUR NEXT MEETING?

ENDLESS INSPIRATION BLOWING IN FROM THE PACIFIC

FOR YOUR “GUIDE TO THE GOOD STUFF” IN SAN DIEGO GO TO SANDIEGO.ORG

44TH ANNUAL NAAEE CONFERENCE 12TH ANNUAL RESEARCH SYMPOSIUM

OCTOBER 15-18, 2015 SAN DIEGO, CA
Downey, Holzman, and Piggott boardrooms are for internal use only.

Les salles de conférence Pigott, Holzman et Downey sont pour l'usage interne seulement.

Jim Durrell Boardroom
Salle de conférence Jim Durrell

Confederation Ramp - Rampe de Confédération

Zone de chargement

Coat Room
Vestiaire

RC Alcove
One semester can make a world of difference!

Conserve School is seeking high school students who feel a strong attachment to the natural world and who are motivated to protect it. This semester-long immersion in environmental studies and outdoor activities deepens a student's love of nature, builds a commitment to conservation and equips them to take meaningful action as environmental stewards.

Thanks to the generosity of Conserve School's founder James R. Lowenstein, the cost of the 17 week experience including room, board and tuition is only $200.

Hiring Teaching Fellows for August 2015
Conserve School seeks energetic, dedicated, and mature college graduates with an interest in conservation, outdoor activities, and education to be semester school teaching fellows.

Learn more online at:
ConserveSchool.org
ConserveSchool.org/employment
Facebook.com/ConserveSchool

A semester exchange program in the Wisconsin Northwoods.