Environmental Education: Building Momentum for the Next Chapter

43RD ANNUAL NAAEE CONFERENCE
October 8–11

&

11TH ANNUAL RESEARCH SYMPOSIUM
October 7–8

Environmental Education:
Building Momentum for the Next Chapter

OTTAWA 2014
2014 Conference Program
Welcome to the 43RD Annual NAAEE International Conference!
Bienvenue à la 43ème conférence internationale annuelle de la NAAEE!

On behalf of the board, staff, and conference planning team, welcome to Ottawa and the 43rd Annual NAAEE International Conference. We’re thrilled you could be here and hope that you enjoy everything the conference and this amazing city have to offer. This year’s theme, *Environmental Education: Building Momentum for the Next Chapter*, reflects our ongoing thinking about the future of the field and our organization and how we can best address the growing social and environmental challenges we face as a global society.

You’ll have a chance to choose from hundreds of workshops, field trips, poster sessions, symposia, keynotes, presentations, and more that focus on everything from conservation education and sustainable communities to green schools, technology, leadership, and cutting-edge issues in the field.

This conference program guide is designed to help you navigate the conference—whether you’ve been coming for years or you’re a first timer. If you have any questions, please see one of the many volunteers, wearing the bright red NAAEE t-shirts, or come to the registration area for personal assistance. We want to help you feel welcome and make the most of your time here. We also hope you’ll give our new phone app a try—and let us know what you think. Just download the "CrowdCompass Directory" to your phone or tablet and then search for NAAEE.

We encourage you to attend the opening ceremony on Wednesday evening and all the plenary events scheduled throughout the week. We have a talented line-up of keynote speakers who will inspire and challenge you (see pages 34-37 for details), and we will use the plenary sessions to make announcements—and give out a few prizes!

Here are some highlights of the week:

- The **welcome reception** on Wednesday evening, with a traditional welcome from an Algonquin elder, followed by the opening ceremonies, which include Ira Flatow, our kick-off speaker, a performance of traditional Inuit music by students of Nunavut Sivuniksavut, and a surprise announcement. Ira will be signing copies of his newest book after his keynote, so be sure not to miss this!

- A provocative **Research Symposium**, highlighting current research in the field (all day Tuesday and Wednesday)

- A variety of **workshops and field trips** on Wednesday and Saturday

- A special reception on Friday evening at the spectacular Canadian Museum of History with Terry Audla, the President of Inuit Tapiriit Kanatami (ITK), and Nathalie Gagnon, Senior Advisor, Engagement Lead Specialist in the Aboriginal Affairs Secretariat for Parks Canada

- Our **yearly auction**, also at the Friday reception, jam-packed with deals—it’s how we raise money for scholarships to the conference and help more people take part in NAAEE activities

- A panel focused on technology and environmental education on Thursday with four absolutely terrific panelists
Welcome

- Two morning keynotes: Inspired writer, thinker, conservationist, and Clemson professor, Drew Lanham (Thursday), and Senior Special Assistant, U.S. Department of Interior, David Jayo (Friday)

- An inspiring Awards Luncheon on Saturday with Julie Scardina, a conservation education leader and animal ambassador for SeaWorld, Busch Gardens, and Discovery Cove zoological parks

- The Exhibit Fair Luncheon, Affiliates Welcome, and Authors’ Corner on Thursday

- NAAEE’s annual business meeting on Saturday morning, where you can learn more about the Association and have a chance to provide input

Thanks to everyone who has made this conference possible. We wouldn’t be here without the dedicated work of our wonderful committee chairs, the NAAEE board and staff, our amazing Affiliate network, hundreds of volunteers, and so many other members and supporters. We also want to give a special thank you to our partner, the Canadian Network for Environmental Education and Communication (EECOM), for all they’ve done to help make this conference a success. And a final thank you goes to all of you for attending—we know it’s a big commitment. We hope you develop long-lasting personal and professional relationships, a sense of camaraderie with so many others who care about similar issues, and a chance to have deeper and more meaningful conversations. When you get an inspired and committed group together, magic happens—and we are looking forward to having you help create that magic!

So thanks again for coming to Ottawa and thanks for the work you do all year to help create a more sustainable world. We hope you enjoy Canada’s vibrant capital city. And we hope you get a chance to recharge your spirit, learn, make connections, and leave Ottawa with a renewed passion to continue your important work!

With warm regards from your conference leadership team:

Pepe Marcos-Iga
President

Judy Braus
Executive Director

Christiane Maertens
Deputy Director

Lori Mann
Conference Manager

Lidia Guennaoui
Conference Co-Chair

Maggie Kilian
Conference Co-Chair
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Program design: Weirdesign
On behalf of Members of Ottawa City Council, it is my distinct pleasure to extend a warm welcome to all those participating in the 43rd Annual NAAEE Conference and 11th Annual Research Symposium, taking place in Canada’s capital October 8-11 and October 7-8, 2014, and hosted by the North American Association for Environmental Education in partnership with the Canadian Network for Environmental Education and Communication.

I am delighted to offer my moral support to the NAAEE and EECOM for providing a valuable forum for environmental educators and environmental education stakeholders to meet under the theme Environmental Education: Building Momentum for the Next Chapter. Participants will have the opportunity to explore the topics of connecting people with nature, conservation education and innovation, creating sustainable communities, greening K-12 and higher education, leadership and professional development, as well as using technology to enhance environmental education.

As Head of Council, I want to acknowledge the NAAEE and EECOM, along with the guest speakers and presenters, in addition to the sponsors and volunteers for dedicating efforts, expertise and resources to the successful organization of these important assemblies of international scope.

As Mayor of the host city, I invite visitors to explore the Ottawa Sports Hall of Fame and the Barbara Ann Scott Gallery at Ottawa City Hall, as well as the Ottawa Art Gallery at Arts Court, housing works by members of the Group of Seven.

Allow me to convey my best wishes to the participants for a productive conference and rewarding symposium, as well as to the visitors for a most enjoyable stay in Ottawa.

Sincerely,

Jim Watson, Mayor/Maire

Au nom des membres du Conseil municipal d’Ottawa, j’adresse la plus cordiale bienvenue à tous les participants au 43e Colloque annuel de la NAAEE et au 11e Symposium annuel de recherche, qui se déroulent dans la capitale du Canada, du 8 au 11 octobre et les 7 et 8 octobre 2014, et sont présentés par l’Association nord-américaine pour l’éducation relative à l’environnement (NAAEE), en association avec le Réseau canadien d’éducation et de communication relatives à l’environnement (EECOM).

Je suis ravi d’apporter mon soutien moral à la NAAEE et à l’EECOM, qui offrent aux éducateurs spécialisés en environnement et aux intervenants de ce milieu une tribune précieuse, placée sous le thème Education relative à l’environnement : Construire un momentum pour le prochain chapitre. Les participants auront l’occasion d’examiner les liens qui unissent les gens à la nature, l’éducation et l’innovation en matière de conservation, la création de collectivités durables, l’écologisation de l’enseignement de la maternelle à la 12e année de même que de l’enseignement supérieur, le leadership et le perfectionnement professionnel ainsi que que l’utilisation de la technologie pour améliorer l’éducation relative à l’environnement.

En tant que chef du Conseil, je tiens à rendre hommage à la NAAEE et à l’EECOM, ainsi qu’aux conférenciers, présentateurs, commanditaires et bénévoles pour avoir consacré leurs efforts, leurs compétences et leurs ressources au succès de ces importantes rencontres d’envergure internationale.

À titre de maire de la ville hôte, j’invite les visiteurs à explorer le Temple de la renommée des sports d’Ottawa et la Galerie Barbara-Ann-Scott, tous deux situés à l’hôtel de ville d’Ottawa, ainsi que la Galerie d’art d’Ottawa à la Cour des Arts, qui possède des œuvres réalisées par des membres du Groupe des Sept.

Je souhaite aux participants un colloque productif et un symposium enrichissant, ainsi qu’un agréable séjour à Ottawa aux visiteurs.

Cordialement,

Jim Watson, Mayor/Maire
Thank You to Our Conference Sponsors!

Platinum

Gold

Silver

Green

Blue
Teacher Training Opportunities
Educational Products and Services
Grant Programs
Distance Learning Opportunities
Science Education Journals
Public Service Campaigns
Junior Ranger Programs
Partnership Opportunities
National Icons: Smokey Bear & Woodsy Owl

US Forest Service: Conservation Education Program

The US Forest Service Conservation Education (CE) program helps people of all ages appreciate, utilize and conserve our country’s natural resources for use by future generations.

Focusing on K-12 and their educators, CE experiences range from structured to informal, and from field based to online. CE programs help educators along the spectrum from initial engagement with nature, to project-based learning in the schoolyard, National Forest or grassland.

WEBINARS allow teachers and non-formal educators information, resources, tools, and skills to teach and communicate about climate change.
WEBCASTS allow participants to 1) engage, inspire and learn about climate change, and then 2) be inspired by what students are doing to be part of the climate solution.

www.ClimateChangeLIVE.org

VISIT US! www.fs.fed.us/learn/educators

“Visit the FS booth and see our presentation” Positioning Your Conservation Education Program by Using the Citizen Involvement Model and Other Tools

Where curiosity blossoms.

DiscoverTheForest.org

USDA is an equal opportunity provider and employer.
There has never been a greater need for environmental education—or a greater opportunity. Our country is facing unprecedented environmental, social, and economic challenges—from the world’s changing climate and loss of species and habitats, to declines in civic engagement, decreasing access to nature, and other threats. Environmental education has the potential to transform lives and society by addressing these challenges through helping to create a motivated and committed citizenry. Environmental education informs, inspires, and enlightens. It builds human capacity, influences attitudes, and can lead to action. And most importantly, it can help people make informed decisions about the environment that lead to informed stewardship and a more sustainable society.

Environmental education we need for the world we want.

Over 40 years of inspiring leadership and excellence in environmental education
NAAEE: Be the change

For more than four decades, the North American Association for Environmental Education has worked to strengthen and expand the field of environmental education, with a growing network of support including:

- More than 16,000 members and supporters
- 54 state and provincial Affiliate organizations
- 30 countries around the world

Today, as we build on this foundation, NAAEE looks forward to strengthening our core and stimulating new thinking that will best meet the environmental and social challenges of the next decade.

Building a network

Annual Conference: NAAEE has convened an annual conference for environmental education professionals since 1972. Averaging more than 1,000 participants each year, the event is designed to promote innovation, networking, learning, and dissemination of best practices. Held in a different city each year, the 2015 conference will take place in San Diego.

Early Childhood EE Alliance: In 2013, NAAEE launched the Natural Start Alliance—a coalition of educators, parents, and organizations focused on linking early childhood education with EE to connect young children with nature and enhance opportunities for creative play and learning.

Strengthening the field

EE Advocacy: NAAEE has helped lead policy and outreach efforts on behalf of the field since its inception. NAAEE sponsors a monthly Action Network Call to highlight key opportunities for people across the country to get involved in local, state, and national issues, from supporting the No Child Left Inside (NCLI) coalition and the implementation of State Environmental Literacy Plans to strengthen public support for environmental education.

EE Resources: NAAEE’s National Project for Excellence in EE has produced the Guidelines for Excellence series, the most widely accepted guidelines for environmental education around the globe. The online EE Linked networks provide up-to-date environmental education research, curriculum guides, professional development opportunities, and job postings.

Inspiring innovation

E-STEM Initiative: NAAEE is leading a research effort to examine how environmental education and STEM (Science, Technology, Engineering, and Math) learning intersect and can be mutually supportive.

Broadening the conversation: With support from the U.S. EPA, NAAEE has collaborated with the Cornell Civic Ecology Lab and others on EECapacity, a project aimed at bringing new voices, innovation and ideas together, including youth and community development professionals to broaden the reach and impact of environmental education.

Connect with NAAEE today and join the movement to create a more sustainable future together.
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Project Learning Tree

A leader in environmental education for nearly 40 years. And we’re still learning and growing!

• New curriculum materials are in development
• 16 states are pilot testing new formats and delivery models
• Online PD coming soon!

www.plt.org/naaee
The Sustainability and Education Policy Network (SEPN) is a national network of researchers and organizations advancing sustainability in education policy and practice.

Research undertaken to date includes identifying and analyzing policies and factors related to sustainability uptake from all 13 Ministries of Education, 390 School Divisions, and 220 accredited Post-Secondary Institutions in Canada.

To join the network or for more information, visit our website at www.sepn.ca or email sepn.info@usask.ca.

**PARTNER ORGANIZATIONS**
- Association for the Advancement of Sustainability in Higher Education
- Canadian Centre for Policy Alternatives
- David Suzuki Foundation
- Learning for a Sustainable Future
- Sierra Youth Coalition

**CONTRIBUTING ORGANIZATIONS**
- Assembly of First Nations
- Canadian Federation of Students
- Global Youth Education Network
- Métis National Council
- Sustainability Solutions Group
Help preserve America’s history, culture and majestic landscapes.

Support your national parks today and guarantee their future for generations to come.

Yosemite National Park

www.nationalparks.org

Facts & Figures

Established by Lieutenant-Colonel John By in 1826, the ByWard Market is one of Canada’s oldest and largest public markets; farmers and craft merchants from across the Capital Region gather to sell their wares daily.

Knowledge to Live By

NATIONAL EE WEEK

Interested in Greening STEM?
Check out eeweek.org

National Environmental Education Week

Alberta Tomorrow

A FREE online educational app for computers, tablets & smartphones

www.albertatomorrow.ca
Conference Basics

Registration Hours

- **Monday**: 5:00 PM–6:30 PM
- **Tuesday**: 7:30 AM–9:00 AM; 5:00 PM–6:30 PM
- **Wednesday**: 7:30 AM–7:00 PM
- **Thursday**: 7:30 AM–7:00 PM
- **Friday**: 7:30 AM–5:00 PM
- **Saturday**: 7:30 AM–2:00 PM

The registration desk is located in the Rideau Canal Atrium on the second floor of the convention centre.

NAAEE Office Hours

- **Tuesday**: 2:00 PM–6:30 PM
- **Wednesday**: 7:30 AM–7:00 PM (Closed 11:30 AM–1:30 PM)
- **Thursday**: 7:30 AM–5:00 PM (Closed 11:30 AM–1:30 PM)
- **Friday**: 7:30 AM–5:00 PM (Closed 11:30 AM–1:30 PM)
- **Saturday**: 8:00 AM–11:00 AM

The NAAEE office is located in Office 2B (second floor).

**Heard the buzz on the new NAAEE App?**

Yes—and there are 3 ways to get it!

- Go to https://crowd.cc/s/3n6Q
- Scan the QR code below
- Download the “CrowdCompass Directory” from the App Store or Google Play Store

Once you have the app, just type “NAAEE” in the search box.

During morning coffee breaks and other in-between times, visit the Tech Help Desk in the Exhibit Hall for assistance with downloading and using our new app, getting started with social media, or any other technology questions you may have!
**General Information**

**Auction Items**
Please bring auction items to Office 2A, where volunteers will be ready to accept your donation. (If the office is not open, please leave donations at the NAAEE office or at the registration desk.) Be sure to complete a donor form.

Bidding on silent auction items begins on Thursday at 9:00 AM in Canada Hall 2/3 and will close during the reception at the Canadian Museum of History on Friday evening. The live auction will also take place during the reception.

**Authors’ Corner**
Authors will be available to sign and sell books during the Exhibit Fair Luncheon on Thursday and during some coffee breaks. See page 45 for more information.

**Audio-Visual Equipment Problems**
If you experience any audio-visual issues during your sessions, please ask the volunteer room monitor (if there is one) to report it to any staff member or the NAAEE office. Staff members will help connect you with our audio-visual experts as quickly as possible.

**Coffee Breaks**
There will be 30-minute coffee breaks at 10:00 AM on Thursday and Friday in Canada Hall 2/3, and on Saturday in the Rideau Canal Atrium.

**Community Service Project**
Each year, NAAEE participates in a Community Service Project to give back to our host community. See page 45 for details, and sign up to volunteer at the registration desk.

**Continuing Education Units:**
Conference participants can earn CEUs documenting their professional development hours through the University of Wisconsin—Stevens Point. Pick up information at the registration desk.

**Exhibit Fair**
- **Thursday** 8:00 AM–5:00 PM
- **Friday** 8:00 AM–4:00 PM

We’ll celebrate the Exhibit Fair with a full buffet lunch on Thursday from 12:30 PM–2:15 PM in Canada Hall 2/3. In addition to exploring the wealth of resources that our exhibitors have on display, come find out what’s happening with the NAAEE Affiliate in your state or province at the Affiliates Welcome, and chat with authors of some of the newest in environmental books.

**Field Trips**
If you are registered for a field trip on Wednesday, please meet your host at the front entrance to the convention centre.

**Food Concessions**
Breakfast and lunch items are available for purchase daily. Check the convention centre signs for locations.

**Guest Tickets for Special Events**
Guest tickets for these special events may be purchased at the NAAEE office. These events are already included for conference registrants.

- **Exhibit Fair Celebration**
  **Thursday, 12:30 PM–2:15 PM.** Includes a full buffet luncheon, exhibits, the Affiliate Welcome, and the Author’s Corner. Additional tickets can be purchased until Tuesday at 11:30 AM. $45.

- **Stapp Auction and Reception at the Canadian Museum of History**
  **Friday, 6:00 PM–8:30 PM.** Includes Museum admission, elegant hors d’oeuvres, a welcome from and introduction to Canada’s Aboriginal communities, and the silent and live auctions. Additional tickets can be purchased until Wednesday at 5:00 PM. $35.

- **Awards Luncheon and Keynote with Julie Scardina**
  **Saturday, 12:00 PM–2:00 PM.** Additional tickets can be purchased until Thursday at 11:30 AM. $45.

**Jobs and Resumes**
Add your job listing or resume to the notebooks near the registration booth. Stop by and look for job openings or great candidates any time during registration hours.

**WiFi Access**
Free WiFi is available in public areas of the convention centre and in all convention centre meeting rooms. We hope you’ll take advantage of the access to send a few tweets using #NAAEE2014.

**Young Professionals**
Several special activities are planned for those just entering the environmental education profession. See page 40 for a listing of opportunities to meet new colleagues and further develop skills.
Conference Strands

Six cutting-edge thematic strands characterize this year’s conference:

- Connecting People to Nature
  The benefits and challenges of connecting kids and adults with nature and learning in the outdoors
  Strand Leader: Michelle Eckman

- Conservation Education and Innovation
  Achieving conservation goals through innovative education, communication, social marketing, and ecotourism strategies including public participation in scientific research
  Strand Leader: David Zandvliet

- Creating Sustainable Communities
  The role of education in achieving environmental integrity, economic prosperity, and social equity in urban, suburban, and rural settings
  Strand Leaders: Thomas Eatmon and Matt Ferkany

- Greening K–12 and Higher Education
  Using environmental education to enhance student achievement, conserve natural resources on campus, support national education trends, and prepare educators to integrate environmental concepts into their curriculum
  Strand Leader: Kay Antunez de Mayolo

- Leadership and Professional Development
  Programs, projects, research, and training that move the field forward in creative and proven ways
  Strand Leader: Dave Chase

- Using Technology to Enhance EE
  The effective use of technology to advance learning about the environment both indoors and outdoors
  Strand Leader: Mary Ford

Green” Apples for K–12 Teachers
Look for the green apple symbol to find sessions that are identified by the presenters as especially appropriate for K–12 classroom teachers.

11TH ANNUAL RESEARCH SYMPOSIUM

Environmental Education: Building Momentum for the Next Chapter
October 7–8

NAAEE’s annual Research Symposium brings the academic community together to explore the current state and future directions of environmental education research and to advance the use of practices proven to be effective. Join new and experienced researchers from around the globe to converse on emerging and traditional areas of environmental education research.

The 2014 NAAEE Research Symposium will facilitate discussion about ongoing research, foster dialogue about research/community partnerships, and provide opportunities for graduate students to develop the skills needed to become professional researchers.

Co-Chairs: Bob Coulter and Cat Stylinski

Facts & Figures

The name Ottawa comes from the Algonquin word adawe – which means to trade.
Concurrent Session Formats

Conference participants will see a wide variety of session types listed in the conference program. NAAEE offers different formats in an effort to accommodate the maximum diversity and number of presenters. Session formats vary in length and degree of depth and interaction.

**Workshop (Full or half day)**
Workshops are in-depth sessions that actively develop specific professional competencies and have widespread potential for implementation. Workshops are scheduled on Wednesday, prior to the start of the formal conference, and on Saturday afternoon. Participants can register for workshops at the conference as space allows; fees apply.

**Symposium (90 minutes)**
Symposia are panel discussions presenting different perspectives on a topic or question related to one of the focus points for each strand. Panels include a minimum of three panelists and a moderator, together representing a minimum of three different organizations.

**Hands-on Presentation (90 minutes)**
Hands-on sessions provide participants with an opportunity to engage in teaching activities and interactive discussions about a particular topic.

**Traditional Presentation (40 minutes)**
Traditional presentations focus on a single topic or program, typically including a talk or media presentation followed by a short discussion.

**Roundtable Discussion (40 minutes)**
Roundtable discussions are informal presentations that emphasize spirited discussion between the presenter(s) and session attendees. Presenters start the discussion by sharing information about the program/question they wish to explore, and then open discussion for input and exchange of ideas. Seven or eight roundtable discussions occur simultaneously in one large room.

**Poster (40 minutes)**
Posters are 4-foot x 4-foot, two-dimensional printed presentations illustrating research studies, programs, or other work. Posters are fixed to portable bulletin boards for conference participants to review at leisure. In addition, the conference program includes a set time for poster presenters to stand at their posters and interact with attendees.

**Bright Spots and Great Ideas (12 minutes)**
Bright spots and great ideas are succinct talks that celebrate specific triumphs and showcase approaches that work. Each presenter has 12 minutes to highlight important research findings, family programs, school programs, community partnerships, conservation achievements, expanded audiences, civic engagement, and more. Five or six great ideas, loosely related by strand, are presented back-to-back during a 90-minute session.

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**Facts & Figures**
Moose are powerful swimmers, sometimes diving 16 feet or more for plants at the bottom of a lake. Swimming in the water is also a way for them to cool off in the summer, as moose suffer from the heat.
Green Initiatives

The Ottawa Convention Centre holds LEED (Leadership in Energy and Environmental Design) Gold Certification for leadership in sustainable design and operations. Its state-of-the-art 200,000 square foot facility in the heart of Canada’s Capital has rapidly become a model for others—providing a healthy and invigorating environment for guests while minimizing its eco-footprint in ways such as:

- Saving 967,707 litres (255,641 gallons) of fresh water per year by using rainwater collected in a cistern system
- Using 39% less energy than a conventional building
- Utilizing materials with high levels of recycled content during construction

The OCC’s Environmental Charter commits the Centre to uphold a rigorous set of principles with respect to sustainability. These include the tenets of “reduce, reuse, recycle,” using fresh, regional, and sustainable food ingredients, reducing the carbon footprints of its operations, and working with partners to minimize the environmental footprint of the hospitality industry in Ottawa.

NAAEE is working with Renewable Choice Energy to reduce the environmental impact of our conference. You can purchase verified emission reductions (VERs) at the NAAEE office to help balance the carbon dioxide emissions associated with your travel to the conference and use of resources during your stay in Ottawa. Renewable Choice Energy supports a variety of domestic and international carbon projects that conform to leading standards.

Printed on post-consumer-waste recycled paper with environmentally-friendly inks.
Discover Ottawa!

Ottawa is a city steeped in Canadian heritage and culture. Considered by many to be the most beautiful government center in the world, Parliament Hill is the seat of Canada's federal government, while just to the east, the ByWard Market district is home to a wonderful collection of vendors selling fresh produce, bakers producing tasty treats, and many shops and restaurants. The Rideau Canal, a UNESCO World Heritage Site, winds its way through the heart of the city, starting from the beautiful and historic locks at the Ottawa River. Bike paths and walking paths are readily accessible. Ottawa's craft brewery scene is thriving, and the city is rich with marvelous restaurants to choose from, many of which are within easy walking distance of the Ottawa Convention Centre.

Navigating the downtown core is easy. The convention centre is directly linked to one of the city's premier shopping centers, the Rideau Center. This newly renovated mall is the gateway to the ByWard Market and is a central OC Transpo bus destination.

We hope you take every advantage of our fabulous 2014 conference site. Our local team recommends the following area highlights.

Popular Restaurants in Ottawa

**Black Tomato**
11 George Street  
(613) 789-8123 – $$
In addition to selling CDs, Black Tomato serves a variety of foods, from freshly seasoned vegetables to the finest cuts of meat. Their menu provides a variety of salads, burgers, and large dinner meals, including jambalaya and salmon fillet.

**Blue Cactus Bar and Grill**
2 Byward Market Square  
(613) 241-7061 – $$
Blue Cactus Bar and Grill serves a variety of Mexican food, pizza, steak, burgers, soups, and salads.

**Courtyard Restaurant**
21 George Street  
(613) 241-1516 – $$$
Located in the historic ByWard Market area, the Courtyard Restaurant provides contemporary French cuisine with a flair in an elegant atmosphere.

**Elgin Street Diner**
374 Elgin Street  
(613) 237-9700 – $$
The Elgin Street Diner serves breakfast all day and is known for their enormous portions of food, including omelets, pancakes, eggs, and everything you love to eat in the morning.

**Fat Tuesdays**
62 York Street  
(613) 241-6810 – $$$
Get the New Orleans experience at Fat Tuesdays, with live music entertainment and dishes derived from Creole heritage, including jambalaya, po'boys, ribs, and much more.

**The Grand Pizzeria and Bar**
74 George Street  
(613) 244-9995 – $$
The Grand Pizzeria and Bar combines old-world traditional recipes with modern décor. It’s an authentic southern Italian Restaurant with the centerpiece being traditional Napoletana pizza from Naples, Italy, cooked in a specially-constructed, wood-burning oven.
Heart & Crown  
67 Clarence Street  
(613) 562-0674 – $$  
The Heart and Crown ByWard consists of five pubs under one roof with six patios. This Irish pub is a great place to catch up with friends over drinks.

Lieutenant’s Pump  
361 Elgin Street  
(613) 238-2949 – $$  
Lieutenant’s Pump is a British pub with a street-level patio and three intimate bars that provide friendly service, a comfortable atmosphere, a wide selection of beer, wine, and spirits, and hearty food.

Pancho Villa  
361 Elgin Street  
(613) 234-8872 – $$  
Pancho Villa is a Mexican restaurant that provides the most popular Mexican dishes, along with gluten-free corn wraps and vegetarian options.

Play Food and Wine  
1 York Street  
(613) 667-9207 – $$$  
Play is the creation of Stephen Beckta and Chef Michael Moffatt of the renowned Beckta dining & wine. Their menu focuses on constantly changing small plates and a large selection of wines by the glass.

Sidedoor Contemporary Kitchen  
18B York Street  
(613) 562-9331 – $$$  
Sidedoor is nestled in the courtyard with a tapas and small-plates menu including tuna sashimi, roasted duck breasts, tacos, and much more!

Stella Osteria  
81 Clarence Street  
(613) 241-2200 – $$  
Draped in a stylish atmosphere and surrounded by a feel of modern Italian elegance, Stella Osteria offers a memorable dining experience, with food selections that include pasta, veal piccata, pizza, and more.

Tucker’s Marketplace  
61 York Street  
(613) 241-6525 – $$  
Almost everything served at this exceptional Canadian buffet is made from scratch using only the finest, freshest, and most authentic ingredients possible. Everything from breads warm from the oven, pick-your-own salads, and hearty soups to made-to-order pastas, stir fries, hand-carved roast beef, and tantalizing desserts all at one all-inclusive price.

Whalebone Oyster House  
430 Bank Street  
(613) 231-8569 – $$  
Whalebone Oyster House is Ocean Wise certified, serving only sustainable seafood choices caught, harvested, or farmed in a way that ensures the long-term health and stability of the species, as well as the greater marine ecosystem.

Zak’s Diner  
14 ByWard Market Square  
(613) 241-2401 – $$  
Zak’s Diner is a great stop for a hearty breakfast—no matter the time of day.

Vegan/Vegetarian  
While many of Ottawa’s popular restaurants cater to vegetarians and vegans, here are a few well-known options from which to choose.

The Green Door  
198 Main Street  
(613) 234-9597 – $$  
The Green Door is Ottawa’s oldest and best-known vegetarian restaurant. Every morning they create a menu based on the freshest produce currently in season and plentiful, in addition to their staple dishes: broccoli tofu stir-fry, quiche, lasagna, spanakopita, and mashed potato-kale.

Peace Garden  
47 Clarence Street  
(613) 562-2434 – $$  
Peace Garden is an oasis of calm in the middle of a nondescript shopping mall indoor courtyard. It is built entirely of glass and serves unique vegetarian dishes.

Perfection-Satisfaction-Promise  
167 Laurier Avenue E  
(613) 234-7299 – $$  
This unique restaurant is dedicated to serving delightful vegetarian and vegan cuisine in a friendly and peaceful atmosphere. It is located in the city center near the University of Ottawa.

The Table Restaurant  
1230 Wellington Street  
(613) 729-5973 – $$  
The Table Restaurant boasts a unique combination of healthy, fresh, organic dishes, in a family-friendly atmosphere. Their pay-by-weight buffet offers a complete range of vegan and gluten-free choices, made fresh seven days a week.
**Facts & Figures**

**The Amazing Beaver**

Beavers are social animals, living in large family groups of monogamous parents, young kits, and the yearlings from the previous spring.

Beavers possess a set of transparent eyelids which enable them to see under water.

Beavers are second only to humans in their ability to manipulate their environment—the largest dam in existence is located in Wood Buffalo National Park, Alberta, Canada. It stretches for 850 metres (2,790 feet), and is visible from space.

Beavers homes, called lodges, are domelike constructions built from branches and mud. They are positioned in open water for protection from predators and have underwater entrance holes.

Beavers are among the largest rodents on earth. Their large rodent teeth never stop growing. The beavers constant gnawing on wood keeps their teeth from growing too long.

The work of beavers makes them a keystone species in maintaining habitats that are relied on by many others. As well as wetland, beavers create standing dead wood (by drowning some trees), which is inhabited by insects, and in turn attracts bird life.

Beavers are good house guests. Their lodges typically contain two dens, one for drying off after entering the lodge under water, and a second, dryer den where the family will live and socialise.

A beaver will fell a particular tree for a particular reason. A larger mature tree will be felled to form the basis of a dam; a young, second-growth tree will be felled for food.

Beavers use their broad, stiff tails like rudders to steer under water, and for balance while sitting on land. They also use their tails to slap the water as a warning of danger, or a warning to keep away.

© OneKind 2010

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**ByWard Market**

55 Byward Market Square  
(613) 562-3325

The ByWard Market is Ottawa’s premier destination for shopping, dining, arts, entertainment and professional services for residents and visitors. It is home to both a local farmers’ market and artisans with over 260 stands, as well as over 100 restaurants for whatever you are in the mood for.

For a full list of popular restaurants, visit:  
www.byward-market.com

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“Où est l’ après-partie?” — Where’s the after-party?"

Follow @NAAEEStaff on Twitter to get the latest conference updates.

Like our Facebook page to stay connected to trending EE information and events!  
facebook.com/naaee.staff

**Beaver Tail** — a much beloved local pastry—at the Byward Market.
Places to Visit

Bytown Museum
1 Canal Lane, Ottawa
(613) 234-4570
www.bytownmuseum.com
The Bytown Museum explores the stories of an evolving city and its residents from its early days as Bytown to present day Ottawa. The Museum is located at the Rideau Canal's Ottawa locks, a UNESCO World Heritage Site, between Parliament Hill and the Fairmont Château Laurier hotel—one of the most picturesque sites in the city.
Admission fees apply

Canadian Agriculture and Food Museum
Prince of Wales Drive, Ottawa
(613) 991-3044
www.cafmuseum.techno-science.ca
Ottawa is the only world capital that has a working farm at its heart, and the Canada Agriculture and Food Museum is living proof of the "Green Capital." Located on the grounds of the Central Experimental Farm, the museum features Canada's unique agricultural heritage. You can explore the sights and sounds of typical farm life and get close and personal with a number of farm animals.
Admission fees apply

Central Experimental Farm and Dominion Arboretum
Prince of Wales Drive, Ottawa
(613) 230-3276
www.agr.gc.ca
The Central Experimental Farm was established in 1886 as the central research station for the federal Department of Agriculture, and continues today in a dual role as a National Historic Site and an active scientific center. Among the features is the Dominion Arboretum, which displays 1,700 species and varieties of well-established trees and shrubs with the intention of evaluating their hardiness. The arboretum is open from dawn to dusk and admission is free. With their annual plant display, perennial borders, lilac walks, roses, and hedges, the Ornamental Gardens are a favorite attraction.

Gatineau Park
33 Scott Road, Old Chelsea
(819) 827-2020
www.ncc-ccn.gc.ca
With beautiful colors and a vast network of trails, Gatineau Park is the National Capital Region's premier, year-round conservation park. Just 15 minutes from Parliament Hill, the park offers stunning natural features, incredible vistas, unique plants and wildlife, and beautiful heritage sites. It is an oasis for photographers, bird watchers, hikers, bikers, and cross-country skiers.

Mer Bleue Conservation Area
Ridge Rd, Ottawa
www.ncc-ccn.gc.ca
The Mer Bleue Bog in Ottawa is one of the most outstanding natural features of the Greenbelt. The 3,500-hectare conservation area has a northern eco-system more typical of the Arctic than Ottawa Valley. This 7,700-year old bog is the largest bog and natural area in Canada's Capital Region, and supports many species of regionally rare and significant plants, birds, and other wildlife.
The centerpiece of Ottawa’s downtown landscape, Parliament Hill is the political and cultural heart of the city. The Parliament Buildings sit atop the Hill, the gorgeous Gothic-style structures overlooking the Ottawa River, as the politicians within debate the present and future issues of the country. Free guided tours are available daily, including a chance to head up to the Peace Tower for an incredible view of the city.

Rideau Canal
(613) 283-5170
www.rideauheritageroute.ca
Parks and trails line Rideau Canal as it travels through Ottawa, perfect for a scenic picnic and bike ride. From May to early October the Canal becomes a popular spot for cruises, canoes, and kayaks. And during the winter it turns into the Rideau Canal Skateway, the world’s largest naturally frozen skating rink.

Rideau Hall, Governor General’s Residence
1 Sussex Drive, Ottawa
(613) 993-8200
www.gg.ca
Rideau Hall has been the official residence and workplace of every governor general of Canada since 1867. A federal heritage building, Rideau Hall is the largest official resident in Canada’s Capital Region and the only one open to visitors. The main building contains about 175 rooms; the grounds encompass about 20 historic buildings, as well as rose gardens, rockeries, cricket lawns, and stands of 10,000 trees with a distinctive Canadian quality. Tours of the residence, art collection, and grounds are offered all year long.

Looking for something to do on Thursday night?

Every Thursday evening, Canada’s National Museums and Art Gallery offer free admission.
Take advantage of this fantastic opportunity to experience and learn about Canada’s stories and heritage. For more information, including exhibits and hours, please visit these websites.

Canadian Museum of History
www.historymuseum.ca

Canadian Museum of Nature
www.nature.ca

Canadian War Museum
www.warmuseum.ca

National Gallery of Canada
www.gallery.ca
That’s where budgets and sustainability goals intersect – and where our Think Green® Campus Model goes to work every day. The model is a proven framework that helps institutions like yours establish prudent, green practices on your path to sustainability. Use our interactive map to guide you to greater efficiencies, a culture of sustainability, and the ultimate goal – zero waste.

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DA is Recognizing Excellence in Education

Districts of Distinction is a national recognition program created by District Administration magazine to honor school districts that are increasing education excellence with new ideas that work.

DA will recognize established initiatives that are yielding quantifiable benefits and can be replicated by other districts.

Honorees in the inaugural round of the “Districts of Distinction” program will be announced in the November 2014 edition of District Administration.

The program will expand in 2015 with three rounds of applications and three subsequent announcements of honorees.

Districts of Distinction celebrates innovation and success in American education. As a new national recognition program it will highlight innovative and outstanding district programs, and help education leaders learn from one another and build success in their own districts, based on innovations pioneered by their colleagues across the US.

A limited number of corporate sponsorships are available for this important national recognition program. For more information on becoming a sponsor, contact your DA account manager.

www.districtadministration.com/dod
Facts & Figures
Ottawa has more scientists, engineers and Ph.D.s per capita than any other city in Canada.

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How do we strengthen the field of environmental education in a world where more and more people live in cities? How can environmental education contribute to environmental health and the well being of all communities, including those impacted by poverty and by floods, drought, and other stresses and disasters related to climate change and other factors?

The Expanding Capacity in Environmental Education Project—EECapacity—provides opportunities for professionals and volunteers to join in discussions about our environment and our communities, share success stories of where environmental education has made a difference, and learn about successful practices from across the globe. We believe that by providing these opportunities for individuals working in environmental education, youth and community development, resource management, and related fields, we will be able to build on and expand the critical role environmental education plays in fostering healthy environments and communities.

Funded by a cooperative agreement with the U.S. Environmental Protection Agency, EECapacity creates multiple opportunities for people to come together to learn, share, and grow. Our community of learners includes professionals working in nature centers; leaders in community gardening, “friends of parks” organizations, and other “civic ecology” practices; zoo, aquarium, museum, and botanic garden educators; teachers and university faculty; and individuals working in community and faith-based organizations, larger non-profits, government, and business. What binds us together is our commitment to helping all people—from preschoolers to senior citizens, those living in rural areas, suburbs, and densely populated inner cities, recently returned military veterans and their families, those jobless and those employed, and so many others—experience and steward nature, and work together to create a more sustainable future.

To learn more about EECapacity’s work, we invite you to participate in one or more of the following sessions.

For more information about EECapacity visit: www.eecapacity.net

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Partner & Supporter Activities

EECapacity at the Conference

Facts & Figures

Ottawa is a multilingual city. Approximately 50% of people speak English as their primary language, 32% French and the rest a mix of other languages including Chinese, Arabic, Italian, Spanish, and Portuguese.
EECapacity Sessions

**Tuesday**

EECapacity National Training Workshop Open Space  
**10:00 AM–12:00 PM, Room 201**  
By invitation.

Urban Environmental Education Trends  
**10:45 AM–11:45 AM, Rideau Canal Atrium**  
Research Symposium

Measuring Practice Innovations in Environmental Education Programs  
**2:45 PM–3:45 PM, Rideau Canal Atrium**  
Research Symposium

EECapacity National Training Workshop  
**1:00 PM–6:00 PM, Room 201**  
By invitation.

**Wednesday**

EECapacity: Tools For Advancing Your Mission  
**1:00 PM–4:30 PM, Room 204**

Alternative Outcome Measures in EE  
**1:15 PM–2:45 PM, Room 105**  
Research Symposium

**Note:** Tuesday and Wednesday sessions require registration and additional fees.

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**Facts & Figures**

Nearly half the population of Ottawa is under the age of 35—making it one of the youngest cities in the country.
EECapacity Sessions, continued

Thursday

Integrating EE into University Coursework: Why Recreate The Wheel?
8:30 AM–10:00 AM, Room 204

Introducing the Community EE Strategy Wheel
8:30 AM–10:00 AM, Room 213

The Benefits of EE Certification to Individuals
8:30 AM–9:10 AM, Room 208

Climate Change EE: EECapacity-Generated Resources and Suggestions for Informal/Formal Educators
8:30 AM–9:10 AM, Room 108

The Benefits of EE Certification Programs to States and Provinces
9:20 AM–10:00 AM, Room 208

Investigating Wisconsin Teacher Education Programs: A Five-Year Follow-Up Study
9:20 AM–10:00 AM, Room 208

EECapacity’s Community Climate Change Fellowship—A Pilot Project
9:20 AM–10:00 AM, Room 108

Measuring Environmental Education Outcomes: EECapacity’s E-Book
10:30 AM–11:10 AM, Room 214

Campus as a Living Lab: Learning Community of Environment and Sustainability Educators
10:30 AM–11:10 AM, Room 101

NAAEE’s New National Recognition Program for Entry-Level Professionals
10:30 AM–11:10 AM, Room 108

Embedding Project Learning Tree into Preservice Teacher Education
10:30 AM–11:10 AM, Room 214

Introduction to EECapacity
10:30 AM–11:10 AM, Room 103

What Can I Do in 15 Seconds? Using Micro-Video in EE Practice (Part 1)
10:30 AM–11:10 AM, Room 202

Online Environmental Education Training: Lessons Learned and Directions for Moving Forward
2:15 PM–2:55 PM, Room 205/207

Promoting Excellence in Environmental Education
2:15 PM–3:45 PM, Room 210

NAAEE’s New Accreditation of College and University EE Programs
3:05 PM–3:45 PM, Room 107

Unpacking EECapacity, EPA’s National Environmental Education Training Program
4:00 PM–4:40 PM, Room 205/207

Deepening Environmental Education in Preservice Programs
4:00 PM–4:40 PM, Room 101

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Facts & Figures

The average annual snowfall in Ottawa is 236 centimetres (92.8 inches).
EECapacity Sessions, continued

**Friday**

Reenvisioning EE: Building Cultural Capacity and Surfacing Unique Narratives  
*8:30 AM–9:10 AM, Room 104*

Capacity Building Within Your State: Lessons Learned by the State Consortia  
*8:30 AM–10:00 AM, Room 212*

- South Carolina State Consortium: Developing a State Consortium Work Plan
- Wisconsin State Consortium: Initiatives and Process of a Current Consortium
- Kentucky State Consortium: Lessons Learned and Pitfalls to Avoid
- Maryland State Consortium: Momentum—How to Build It, How to Keep It Rollin’
- Pennsylvania State Consortium: First Year Crawling and Focused Momentum

It’s “Appening” Outside: Using Mobile Devices to Create Environmental Experiences  
*10:30 AM–11:10 AM, Room 106*

Reframing EE in a Climate Change Era  
*10:30 AM–11:10 AM, Room 108*

Accreditation: Managing State EE Certification Programs—Planning for Costs and Revenues  
*10:30 AM–11:10 AM, Room 208*

A Qualitative Evaluation of Curriculum Modules Based in EE Guidelines  
*2:15 PM–2:55 PM, Room 205/207*

Community Climate Change Fellowship Program—An EECapacity Pilot Project  
*2:15 PM–3:45 PM, Room 201*

Augmenting the Practice of EE Through Facebook and Google Apps for Education  
*3:05 PM–3:45 PM, Room 106*

**Saturday**

What Can I Do in 15 Seconds? Using Micro-Video in EE Practice (Part 2)  
*10:30 AM–11:10 AM, Room 104*

Anthrascapes: EE Capacity Within Legacy Anthracite Landscapes from Northeastern Pennsylvania  
*10:30 AM–11:10 AM, Room 205/207*

The *International Journal of Early Childhood Environmental Education* (IJECEE) invites written submissions of educational approaches, evaluation frameworks, program models, research studies, and theoretical perspectives pertinent to young children (0-8 years).

Sponsored by NAAEE, the journal seeks to encourage discourse in effective guidance, pedagogical practices, programming, and policies in early childhood environmental education at local community, regional, national, and international levels.

The IJECEE is a peer-reviewed, open-access electronic journal available to all contributors and readers at no-cost. Access the journal and instructions for authors at www.naeee.net/publications/IJECEE.
NAAEE and the Affiliates: A Force for Nature

NAAEE’s Affiliate Network is a powerful collective for environmental education and capacity building in the field. The network represents 54 organizations, each affiliated with NAAEE, that work together to support environmental education professionals throughout the United States, Canada, and Mexico. Since the partnership began in 1998, NAAEE and the affiliates have created a more unified voice for EE on all levels, promoting collaborative learning, professional development, and resource development.

Throughout the conference, there are a number of sessions that focus on strengthening affiliate organizations, sharing best practices, and building capacity at all levels of the field. Check out these sessions to learn more.

Affiliate Sessions

Wednesday

Affiliate Workshop
8:30 AM–4:30 PM, Room 214
Requires registration and additional fee.

Thursday

Getting EE into the Alberta Curriculum
8:30 AM–10:00 AM, Room 211

Attracting Volunteers to and Keeping Them at Your Organization
10:30 AM–11:10 AM, Room 208

Achieving Peak Performance as a Nonprofit
10:30 AM–11:10 AM, Room 107

Environmental Literacy Plans: Open Space Learning, Sharing, and Networking
2:15 PM–3:45 PM, Room 213

Environmental Literacy Plans: Measuring Success
4:00 PM–4:40 PM, Room 102

Friday

NAAEE Federal Policy Agenda—Making Things Happen for EE
9:20 AM–10:00 AM, Room 108

Creating a Cutting-Edge STEM Career Program Through Collaboration
10:30 AM–11:10 AM, Room 103

Communicating Impact and Engaging Support for Affiliates
2:15 PM–3:45 PM, Room 210

Tailoring Your Message: Effective Advocacy Through Persuasive Communication
2:15 PM–2:55 PM, Room 107

Coalition-Building to Support Environmental Literacy Plan Development, Adoption, and Implementation
3:05 PM–3:45 PM, Room 205/207

Quantifying and Measuring Impact: How Much EE Happens in Virginia?
3:05 PM–3:45 PM, Room 107

Saturday

Weaving Networks to Strengthen Environmental Education in Alberta
8:30 AM–9:10 AM, Room 108

Maple syrup has long been part of Canada’s cultural fabric. The country’s Amerindian peoples taught the early settlers how to harvest sap and boil it to make maple syrup.

Canada produces 80% of the world’s maple syrup, 91% of which is produced in Quebec. Other syrup-producing regions include Ontario, New Brunswick, Prince Edward Island, and Nova Scotia. There are more than 8,600 maple syrup businesses in Canada.
CATS Meetings
What the heck are CATS…and why are they so important? Committees, Advisory Boards, Task Forces, and Special Interest Groups (also known as CATS) provide a great chance for each of us to play a more active role in building the NAAEE community and advancing the field of EE.

Special Interest Groups (SIGs) are open to all members: you’re encouraged to attend a SIG meeting to learn more about how NAAEE members are working on specific areas of interest to the association. NAAEE will also discuss SIGs during the annual business meeting on Saturday afternoon.

CATS Meetings at the Conference

Accreditation Advisory Board Annual Meeting
Friday, 4:00 PM–5:00 PM, Room 102
Working meeting for members of the Accreditation Advisory Board, Accreditation Review Panel, and State EE Certification Program representatives. By invitation.
Chair: Tom Marcinkowski

Accreditation Review Panel Meeting
Saturday, 9:00 AM–11:30 AM, Room 201
Working meeting for members of the Accreditation Advisory Board and Accreditation Review Panel. By invitation.
Chair: Tom Marcinkowski

Advocacy Committee
Friday, 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.
Co-Chairs: Brock Adler and Traci Price

Diversity Committee Meeting
Friday, 4:00 PM–5:00 PM, Room 204
Join the NAAEE Diversity Committee to learn about the organization’s newly adopted strategic plan, how it embraces diversity and inclusivity in practice and how this foundation will support and promote equity in the field of EE. Open to all.
Chair: Darryl Ramos-Young

Preservice Advisory Board Meeting
Friday, 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.
Co-Chairs: Courtney Crim and Blanche Desjean-Perrotta

Professional Development and Teacher Education Special Interest Group
Friday, 4:00 PM–5:00 PM, Room 211
Come meet others interested in professional development and teacher education and learn what exciting things we are planning for the upcoming year. Open to all.
Co-Chairs: Teresa Coker and Molina Walters

Urban EE Special Interest Group
Friday, 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.
Co-Hosts: Libby McCann, Jean Kayira, and Marcia McKenzie

Facts & Figures
Ottawa is the seventh coldest capital in the world. The top six (coldest first) are Ulaan-Baatar, Mongolia; Astana, Kazakhstan; Moscow, Russia; Helsinki, Finland; Reykjavik, Iceland; and Tallin, Estonia.
Other Meetings

Certification Programs Meeting  
**Friday, 12:45 PM–2:00 PM, Room 201**  
Representatives from all states and provinces that have certification programs are welcome to discuss trends, challenges, and opportunities for collaboration.

EECapacity Higher Education Partners Meeting  
**Thursday, 7:45 AM–8:30 AM, Room 204**  
By invitation.  
Coordinator: Susan Gentile

Environmental Issues Forum Working Group  
**Thursday, 5:00 PM–6:00 PM, Room 201**  
By invitation.  
Coordinator: Bora Simmons

EECapacity Partners Meeting  
**Tuesday, 6:30 PM–8:00 PM, Room 201**  
By invitation.

Global Environmental Education Partnership Meeting  
**Wednesday, 8:30 AM–4:30 PM, Room 201**  
By invitation.  
Coordinator: Ginger Potter

Guidelines Trainers’ Bureau  
**Wednesday 5:00 PM–6:00 PM, Room 102**  
Members of the Guidelines Trainers’ Bureau will meet to recap the year’s efforts and hear about the latest training activities. By invitation.  
Coordinator: Bora Simmons

NAAEE Business Meeting  
**Saturday, 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: Jose Marcos-Iga, Judy Braus

NAAEE Website Focus Group: We Want Your Feedback  
**Friday, 4:00 PM–5:00 PM, Room 210**  
Join us for a chance to provide feedback to the NAAEE team on website revisions for naaee.org and the development of an exciting new online learning community for environmental education that we’re calling eePRO. We’d love to pick your brain on the design, functionality, and everything else related to the website.  
Coordinators: Mary Ocwieja and Maxwell Kennady

Natural Start Alliance Morning Networking  
**Friday, 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.  
Coordinators: Christy Merrick, Betty Olivolo

Share Your Ideas! 2015 NAAEE Conference in San Diego  
**Saturday, 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

Southeastern Environmental Education Alliance Meeting  
**Friday, 4:00 PM–5:00 PM, Room 202**  
Members of SEEA and other affiliates in the southeastern United States will meet to discuss current activities.  
Coordinator: Ashley Hoffman

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.  
Coordinator: Michaela Zint

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Facts & Figures

Canada has the longest coastline of any country in the world at 243,977 kilometers (151,600 miles.)
Activities for Young and Emerging Professionals

Young professionals and others new to the field of environmental education can get to know one another and receive precious insight from mentors who are eager to share their valuable experiences. These activities go beyond the usual CV writing workshops, and offer you the chance to meet, be inspired by, and create with other engaged environmental educators.

Meet and Greet: Informal and Friendly Networking Dinner
Thursday, 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, teachers, and learners 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.

Mentor Exchange
Friday, 12:45 PM–2:00 PM, Room 213
The challenges of fostering environmental consciousness in today’s fast-paced, crisis-ridden, and money-strapped world are numerous. There are many obstacles—and many opportunities. Spend your lunch hour exchanging 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 about their projects and expertise, we will break into small groups to pursue more discussion and exchange contact information. As Julie Winkle Giulioni once said, “Today, the lines between mentoring and networking are blurring. Welcome to the world of mentworking.” This session promises an intense and creative crash course in “mentworking,” to help guide our research, projects, and practice into new and fruitful collaborative directions. Join us, be inspired, and receive invaluable guidance and insight. (Note: Bring your own lunch.)

Peer-to-Peer Best Practice Exchange
Friday, 4:00 PM–5:00 PM, Room 213
Nourish the new relationships you have forged during the conference thus far. Keeping connected with each other permits us to share resources, ideas, and opportunities now and into the future. And getting to know one another only helps strengthen our network and contribute to fostering the spirit of collaboration and mutual aid within this and the next generation of environmental educators of North America.

Environmental Education Evaluation Clinic—New This Year!
Friday, 2:15 PM–3:45 PM, Room 208
Assessing outcomes and evaluating programs are some of the most challenging activities for us as environmental educators. NAAEE’s first evaluation clinic provides environmental educators with the opportunity to ask assessment and evaluation questions in a safe, supportive environment and to obtain input from evaluation experts as well as peers with relevant experience. There will be no formal presentations. Instead, the format will consist of informal, roundtable conversations with leading evaluation experts and driven by participants’ questions and interests.
EECOM Activities

NAAEE is pleased to offer the 2014 conference in partnership with the Canadian Network for Environmental Education and Communication (EECOM). EECOM is Canada’s only national, bilingual, charitable network for environmental learning. Watch for these EECOM activities at the conference.

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. Registration required; 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.

EECOM 2014 Annual General Meeting
Friday, 12:45 PM–2:00 PM, Room 204
Get to know EECOM programs. Meet board members, and help advance EE in Canada. All are welcome!

Capacity Building for Canadian Environmental Education Practitioners
Friday, 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.

Community Service Project

Each year, NAAEE organizes a community service project through which conference participants can give back in a meaningful way to our host community.

This year, we are working with Growing Up Organic, a fabulous garden-based education program of Canadian Organic Growers in Ottawa. We’ll be building a small raised-bed garden for Carson Grove Elementary School, which describes itself as an open, welcoming community that celebrates diversity and learning; its 300-member student body represents about 40 countries. Carson Grove is eager to start a garden, and will use the beds to generate food for families and, in cooperation with Growing Up Organic, as an outdoor laboratory for environmental education. Participation is heartily welcomed, but please sign up at the registration desk on Thursday so we can plan for transportation.

FRIDAY
12:30 PM–2:45 PM
Meet at the front entrance to the convention centre at 12:30. A box lunch will be provided as a thank you for your service.

Facts & Figures
There are seven downhill ski resorts within easy driving distance of Ottawa.
Thank You

This conference wouldn’t have been possible without the dedication of every person on this list, as well as their employers and families. These amazing volunteers gave generously of their time and talents. There are also hundreds of others, not listed here, who pitched in to help along the way. Thanks to all of you for your hard work and willing spirits. You’ve brought this conference to life!

Conference Co-Chairs

Lidia Guennaoui  Maggie Kilian

Conference Committees

Affiliate Welcome
Barbara Garrity

Auction
Lidia Guennaoui

Awards
Brenda Metcalf

Authors’ Corner
Garry Enns

Field Trips
Laurel McIvor

Local Arrangements
Olivia Seillier
Laura Leet
Alissa Campbell

Program Production
Julie Ardoin
Ruth Mann

Research Symposium
Bob Coulter
Cat Stylinski
Erin Kelly

Scholarships
Angelica Fernandez

Strand Leaders

● Connecting People to Nature
  Michelle Eckman

● Conservation Education and Innovation
  David Zandvliet

● Creating Sustainable Communities
  Thomas Eatmon
  Matt Ferkany

● Greening K–12 and Higher Education
  Kay Antunez de Mayolo

● Leadership and Professional Development
  Dave Chase

● Using Technology to Enhance EE
  Mary Ford

Technology
Rob Stewart

Volunteers
Daniel Rosset
Stéphanie Beauregard
And close to 50 onsite volunteers

Young Professionals
Kristian Gareau

Conference Proposal Reviewers
Thank you to 138 colleagues who diligently reviewed all 650 proposals submitted for this year’s conference. If you would like to volunteer to review the 2015 proposals, watch for announcements in EE News, NAAEE’s regular email bulletin. We look forward to working with you to create another outstanding program in San Diego!

Special thanks to our partner, the Canadian Network for Environmental Education and Communication (EECOM), for all they’ve done to help make this conference a success.
Conference Scholarships

NAAEE is proud to have provided funds to help enable nearly 175 professionals and students attend the 2014 conference in Ottawa. Our thanks to the following organizations, whose support made this possible.

Our warmest thanks to Lisa Furlotte’s 9th grade English class from D’Arcy McGee High School in Gatineau (Alymer), Quebec for creating our wonderful table centerpieces, and to Hey Buster for bringing music to our morning coffee break (www.heybuster.ca).

The Environmental Education Scholarship for Academic Study is awarded to a college or university student in each year’s conference host state. Recipients are selected based on their understanding of and commitment to environmental education and their potential for future contributions to the field. This year, NAAEE recognizes Elizabeth Boileau, University of Montréal, and Kyle Clark, Queen’s University, Kingston, Ontario.

The Columbia Sportswear Teacher/Administrator Scholarship recognizes a teacher’s achievement in environmental education in the classroom and the administrator who supported his or her endeavors. This year’s recipients are Fran Wachter, Adams School, Creal Springs, Il (6th–8th grade science teacher) and school principal, Kim Burns. We are especially grateful to the many NAAEE members who contribute to scholarships through their Stapp Scholarship Auction purchases and as part of their conference registration.

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Discover over 250 journals from Routledge Education Journals

Simply sign in or register at http://bit.ly/NAAEE14 to activate your 14 days’ free online access.*

* New users will need to complete a short registration process. Online access is for 14 days from activation, to all content published in the two previous volume years in selected journals. Voucher can only be activated once and you will need to be logged into Taylor & Francis Online to use.
An Inspiring Lineup of Keynote Speakers

The illustrious group of keynote speakers for the 2014 conference includes the winner of a literary award for creative non-fiction; a spoon carver; a former online game quality assurance tester; a guest star on the CBS sitcom, *The Big Bang Theory*; and the owner of a dog that performed at the 2002 Olympics in Salt Lake City.

In keeping with our conference theme—*Environmental Education: Building Momentum for the Next Chapter*—each of our forward thinking speakers is also a powerful force for social and environmental change. These compelling individuals will challenge and inspire you as we think collectively about the future of our field.

**Wednesday**

**Ira Flatow**

*Talking Science and Nature in a Science-Challenged World—An Evening with Ira Flatow*

6:30 PM–8:30 PM, Canada Hall 1

Award-winning science correspondent and TV journalist Ira Flatow is the host of the *Science Friday* radio show, a weekly call-in radio program and podcast that connects 2 million weekly listeners with scientists for informative discussions about science, technology, health, space, and the environment. He describes his work as a challenge "to make science and technology a topic for discussion around the dinner table."

On television, Flatow has discussed cutting-edge science stories on a range of programs, including the four-part PBS series *Big Ideas*. For six years, Flatow was host and writer for the Emmy Award-winning *Newton’s Apple* on PBS and he has been a science reporter for CBS, Westinghouse, and CNBC. In his 40-year career, he has talked science on *The Today Show, Charlie Rose, Merv Griffin,* and *Oprah*. He is the author of numerous books, the latest of which is *Present at the Future*.

Ira Flatow has also shared his scientific insights on *Maximum Science* and in various magazines ranging from *Woman’s Day* to *ESPN Magazine* to *American Lawyer*. He has spoken at Rockefeller University, the World Economic Forum, Sun Microsystems, Hewlett Packard, Calvin Academy, Cal Tech, MIT, Harvard, National Inventors Hall of Fame, and the Kentucky Author Forum.

His recent honors include the National Science Board Public Service Award (2005), AAAS Journalism Award (2000), the Carl Sagan Award (1999), and the Nierenberg Prize for Science in the Public Interest (2010). More recently, Ira was named as the winner of the 2012 Isaac Asimov Science Award and has also received an honorary doctorate from Pennsylvania’s Muhlenberg College.
Thursday

J. Drew Lanham

The Mission—Heart’s Work and the Art of Feeling Our Way
11:30 AM–12:30 PM, Canada Hall 1

J. Drew Lanham is a native of Edgefield, South Carolina with a B.A. and M.S. in Zoology and Ph.D. in Forest Wildlife Ecology from Clemson University. He is an award winning faculty member and was named as Distinguished Alumni Professor and Master Teacher at his alma mater in 2012. Dr. Lanham is a Certified Wildlife Biologist and an active board member in several organizations including the South Carolina Wildlife Federation, Aldo Leopold Foundation and BirdNote. He is a widely published essayist and an endeavoring poet who has contributed to several anthologies with pieces focusing on a passion for place and introspectives on the internal and societal conflicts that sometimes put ethnicity and passion for nature at odds. His most recent work, "9 Rules for the Black Birdwatcher," was featured in Orion Magazine and on NPR’s All Things Considered.

Drew’s first solo work, The Home Place, Memoirs of a Colored Man’s Love Affair with Nature (Milkweed Editions), is due to be published late in 2014-early 2015. A member of the inaugural Audubon/ToyotaTogether Green Fellows class and a member of the Whole Thinking Community at Knoll Farm, he views his professional passion and personal missions converging to define environmental sustainability and conservation in new ways. A major focus of this effort is to tell the stories of Black-American connections to nature in the Southeast and beyond. Drew is a lifelong birder, naturalist and avid hunter living in the Upstate of South Carolina with his wife Janice. They have two adult children: Kimberly Alexis and Donovan Colby.

Danny Edelson, Starr Long, Bonnie Stewart, Danni Washington

Moderator: Jamie Herring

From MOOCs to Mobile: Building Technology Literacies for Advancing EE
5:00 PM–6:30 PM, Canada Hall 1

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.

Facts & Figures

The Canada goose, Wawa to the Ojibway Indians, is the national bird of Canada.
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 that 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.

Published in Salon.com, The Guardian UK, and Inside Higher Ed, as well as more academic venues, Bonnie’s work explores social media literacies, networked identities, MOOCs, and the implications of all of these for the changing world of 21st century higher ed. 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 scientist 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 climate 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 it’s 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.
Friday

David Jayo
Building the Next Generation of Leaders
11:30 AM–12:30 PM, Canada Hall 1

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.

Saturday

Julie Scardina
The Balancing Act of Environmental Education—Remove the Fear but Keep Reality
12:00 PM–2:00 PM, Trillium Ballroom

Every 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.

Facts & Figures

The Gatineau Hills are formed of Pre-Cambrian gneiss and are popular with rock-climbers.

The Eardley Escarpment in Gatineau Park is right along a fault line that physically separates the Canadian Shield from the St. Lawrence Lowlands.
Nicholas Ng-A-Fook, Ph.D., is the Director of Teacher Education at the University of Ottawa. As a teacher educator and curriculum theorist, he is committed to integrating community service learning (CSL) social action projects within his research. Nicholas’ research within the broader international field of curriculum studies focuses on building educational partnerships with international and local indigenous communities, such as the Kitigan Zibi First Nations Algonquin community in Quebec, Canada. In 2007, he traveled with students to Raceland, Louisiana to work with the United Houma Nation, which suffered the devastating effects of Hurricane Katrina. As part of this international project, students worked with elders at the New Orleans Jazz Festival, created podcasts to share their stories, and attended eco-justice workshops with indigenous community activists. Over the past three years, Nicholas has worked with colleagues to implement a research and knowledge mobilization project to extend pedagogical strategies, innovations in curriculum design, and resource development on environmental sustainability and social-justice oriented teaching and learning. Part of this project involved integrating several of the Ontario Ministry of Education priority areas, including collaborative partnerships, student engagement, diversity and equity, and environmental sustainability.

During his NAAEE Research Symposium presentation, Nicholas will discuss ways in which his work draws upon a social action framework to integrate ecojustice across the school curricula as part of the Developing a Global Perspective for Educators program. Participants will gain ideas on how to create, implement, and evaluate various collaborative CSL social action curriculum projects as a form of eco-civic engagement within their research and classrooms.
Wednesday

Join us for a warm and welcoming opening reception and evening program.

Opening Reception & Share Fair
5:00 PM–6:30 PM, Parliament Foyer

Welcome! Whether this is your first NAAEE conference or your thirty-first, it starts here. Meet new colleagues and greet returning ones as you enjoy substantial hors d’oeuvres and a cash bar at the opening reception of the conference. Board members and staff members will be there to greet you and answer any questions about NAAEE and the 2014 conference. Learn about keynote speakers, conference sessions, the exhibit fair and Thursday’s celebratory luncheon, the special Friday reception and auction at the Canadian Museum of History, special interest group meetings, and much more.

Algonquin elder Annie Smith-St. Georges and her husband, Robert St. Georges, will welcome the participants to the 43rd Annual Conference, during a traditional ceremony at 6:00 as part of the opening reception. She will also be at the Saturday luncheon to help us close the conference.

During the reception, you’ll also have the opportunity to explore the exciting work of a variety of nonprofit organizations at this year’s Share Fair. The Share Fair includes tabletop displays highlighting successful programs and inspiring ideas.

Come break the ice, connect with colleagues, and begin to foster relationships that we hope will continue far beyond the conference.

Conference Opening Ceremony
6:30 PM–8:30 PM, Canada Hall 1

Immediately following the reception, we’ll officially kick off the conference with comments from Executive Director Judy Braus, Board President Pepe Marcos-Iga, and the popular mayor of Ottawa, Jim Watson. In addition, students of Nunavut Sivuniksavut will perform traditional Inuit music. Founded in 1985, Nunavut Sivuniksavut is a unique Ottawa-based college program for Inuit youth from Nunavut preparing for the educational, training, and career opportunities created by the Nunavut Land Claims Agreement and the new Government of Nunavut.

Following the performance, veteran National Public Radio science correspondent and award-winning TV journalist Ira Flatow will share his insights on bringing cutting issues in science, technology, and environment to the forefront of public attention.

As host of the weekly Science Friday radio show, Ira engages listeners and scientists in lively conversations about science. Come see why more than 2 million listeners tune in and download podcasts each week.
Thursday

Exhibit Fair Luncheon
12:30 PM–2:15 PM, Canada Hall 2/3

The Exhibit Fair will be open Thursday and Friday for you to explore innovative programs, dynamic practices, and effective products. And you can help us celebrate by joining us for a great buffet luncheon.

During this special event, you can chat with our exhibitors, who are eager to connect you with the latest and greatest in environmental education products and services. It’s a great time to peruse the exhibits, bid on fabulous finds in the silent auction, and pick up a new book in the conference bookstore, operated this year by the local, independent Octopus Books.

The NAAEE Affiliates will also be in the Exhibit Hall to welcome you and share information about the many services they offer to their members on the state and provincial levels. Learn how the Affiliates are helping to develop state environmental learning plans, find out which states have environmental educator certification programs, and check out other professional development opportunities in your area.

And don’t miss the Authors’ Corner, which features NAAEE members and other writers who are available to discuss and sign their newest publications. Converse with the authors about writing and publishing for the environmental education field and learn more about their experiences.

Take advantage of this great time for networking and enjoying a good meal—it’s included with your Thursday or full conference registration.

Exhibitors are listed on page 44.

Friday

An Evening at the Canadian Museum of History and Stapp Scholarship Auction
6:00 PM–8:30 PM, Canadian Museum of History

Continual shuttle 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.

In addition to 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 welcome from and a brief introduction to the Aboriginal communities of Canada.

Then get ready to bid on your favorite items in the energetic live auction, which features special treasures in all price ranges. 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.

TERRY AUDLA

Terry Audla is the President of Inuit Tapiriit Kanatami (ITK), the national organization representing 59,000 Inuit across Nunavut, Nunavik (Northern Quebec), Nunatsiavut (Northern Labrador) and the Inuvialuit settlement region of the Northwest Territories.

He 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 is Senior Advisor, Aboriginal Engagement, in the Aboriginal Affairs Secretariat (AAS) at Parks Canada. She 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.

Saturday

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.

Following the awards, our final speaker will leave us on a high note. Julie Scardina is the Zoological Corporate Curator, Director of Animal Ambassador Programs and training, and Animal Ambassador for SeaWorld, Busch Gardens, and Discovery Cove. You may recognize her from her many appearances on The Tonight Show with Jay Leno or Jack Hanna’s show, Animal Adventures. In addition, Algonquin elder Annie Smith-St. Georges will return to offer a traditional closing to the conference.

The Awards Luncheon is included with Saturday or full conference registration. Additional tickets can be purchased for guests as space allows. Check for details at the NAAEE office.

Facts & Figures

Algonquin words, “kwey” (rhymes with “day”) is a friendly greeting and “meegwetch” means “thank you.”
Exhibit Fair

2014 Exhibitors

Exhibit Fair Hours: Thursday, 8:00 AM–5:00 PM
Friday, 8:00 AM–4:00 PM

Antioch University New England, 211
The Beading Drum Jewelry Originals, 304
Cal Water H2O Challenge, NAAEE Pavilion
Canadian Geographic Education, 110
The Canadian Wildlife Federation, 300
Council for Environmental Education, 303
Ecology Project International, 309
EE Capacity, NAAEE Pavilion
EECOM Board of Directors, 108
Environment for the Americas, 302
Fitzenhenry & Whiteside, 306
Forests Ontario, 208
Howard Hughes Medical Institute, 200
International Fund for Animal Welfare (IFAW), 401
Inuit Tapiriit Kanatami, 312
Learning for a Sustainable Future/Natural Curiosity/
Hewlett Packard Canada, 311
Merry Lea Environmental Learning Center
of Goshen College, 409
Montreat College, 301

NAAEE, NAAEE Pavilion
NAAEE Affiliate Network, NAAEE Pavilion
National Project for Excellence in
Environmental Education, NAAEE Pavilion
Natural Start Alliance, NAAEE Pavilion
Nature Canada, 212
Octopus Books, NAAEE Pavilion
Parks Canada, 403-405
Project Look Sharp–Ithaca College, 307
Royal Roads University, 308
Sentinel Plant Network/American Public Gardens
Association, 210
Students on Ice, 313
Sustainability and Education Policy Network–
University of Saskatchewan, 206
Three Trees Art, Indigenous Designs, 407
U.S. Environmental Protection Agency, 209
UL Innovative Education Award, NAAEE Pavilion
US Forest Service, 310
Waste Management, 202
Authors’ Corner

The Authors’ Corner features NAAEE members and other writers who are available to discuss and sign their newest publications. Chat with the authors about writing and publishing for the environmental education field.

Most of the authors listed below will be in the Authors’ Corner (in the exhibit area, Canada Hall 2/3) during the luncheon on Thursday, and some will also be available during morning coffee breaks.

Bob Coulter
• No More Robots: Building Kids’ Character, Competence, and Sense of Place

Herb Broda
• Moving the Classroom Outdoors: Schoolyard-Enhanced Learning in Action
• Schoolyard-Enhanced Learning: Using the Outdoors as an Instructional Tool

Stephanie Yuill
• Stop: Northern Adventure Ahead

Marianne Krasny, Martha Monroe, Justin Dillon
• Across the Spectrum: Resources for Environmental Educators
• Greening in the Red Zones
• Resilience in Social-Ecological Systems: the Role of Learning and Education
• Trading Zones in Environmental Education: Creating Transdisciplinary Dialogue

Milton Markewitz
• Language of Life: Answers to Modern Crises in an Ancient Way of Speaking

Laurie Rubin
• To Look Closely: Science and Literacy in the Natural World

Richard R. Jurin
• Environmental Communication: Principles and Skills for Natural Resource Professionals, Scientists, and Engineers, 2nd edition
• Ghost Cats of the Tetons, Mitzy the Mountain Lion, and The Cub Explore—A three-book series of third-grade education books about cougars
• Principles of Sustainable Living: A New Vision of Health, Happiness and Prosperity

Tim Grant
• Teaching about Invasive Species

Litterati: Using Technology to clean the Planet

Soda cans, plastic bags, and cigarette butts. Trash is everywhere. By combining technology, social awareness, and art, the Litterati is tackling this ever-escalating problem one piece of litter at a time.

The Digital Landfill is a photo gallery showcasing the litter being picked up, and the movement’s overall impact. With geo-tagging, the Litterati is able to provide insight into problem areas and highlight the most active Litterati communities. Keyword tags on the photos help identify those brands and products that generate the most litter. The Litterati will use this to work with companies and organizations to find environmentally friendly and sustainable solutions.

www.litterati.org

Check out the Litterati photos in the Exhibit Hall. Then join the movement! Start tagging trash: #litterati, #naaee2014

Thank you to our amazing volunteers.
TUESDAY

Tuesday Daily Schedule

Tuesday 9:00 AM
Research Symposium
9:00 AM–4:00 PM, Room 210
NAAEE’s annual Research Symposium brings the academic community together to explore the current state and future directions of environmental education research and to advance the use of practices proven to be effective. Join new and experienced researchers from North America and beyond to converse on emerging and traditional areas of environmental education research. This year’s Research Symposium will facilitate discussion about ongoing research, foster dialogue about research/community partnerships, and provide opportunities for graduate students to develop the skills needed to become professional researchers. (The Research Symposium requires an additional registration fee.)
Co-Chairs: Bob Coulter and Cat Stylinski

Tuesday 10:00 AM
EECapacity National Training Workshop Open Space
10:00 AM–12:00 PM, Room 201
By invitation.

Tuesday 1:00 PM
EECapacity National Training Workshop
1:00 PM–6:00 PM, Room 201
By invitation.
Coordinator(s): Anne Umali Ferguson, Cornell University; Lori Mann, NAAEE; Jose Marcos-Iga, Environmental Education Exchange

Tuesday 4:00 PM
Research Symposium Reception
4:00 PM–6:00 PM, Rideau Canal Atrium
For Research Symposium participants only.

Tuesday 6:30 PM
EECapacity Partners Meeting
6:30 PM–8:00 PM, Room 201
By invitation.

UL is proud to support non-profits inspiring the next generation of scientists, business leaders, researchers, inventors, and engineers, through E-STEM.
Learn more at: naaee.org/ulinnovativeeducation
Wednesday 8:30 AM

Meeting
Global Environmental Education Partnership Meeting
8:30 AM–4:30 PM, Room 201
By invitation.

Full-Day Workshops
8:30 AM–4:30 PM
Note: Workshops require an additional fee. Onsite registration will be accepted as space allows. Check at the NAAEE office for details.

Facilitating Community Discussion of Controversial Issues: NAAEE’s Environmental Issues Forums
8:30 AM–4:30 PM, Room 211

Forest and Nature School: Place, Play, and Inquiry-Based Education
8:30 AM–4:30 PM, Meet bus at the front entrance to the convention centre

Innovation In Our Nature—Design Thinking for Environmental Educators
8:30 AM–4:30 PM, Room 213

NAAEE Affiliate Workshop
8:30 AM–4:30 PM, Room 214

Morning Workshops
8:30 AM–12:00 PM
Note: Workshops require an additional fee. Onsite registration will be accepted as space allows. Check at the NAAEE office for details.

Authentic STEM Experiences in Nature
8:30 AM–12:00 PM, Room 204

Building Online Communities for Citizen Science with National Geographic FieldScope
8:30 AM–12:00 PM, Room 202

Wednesday 9:00 AM

Research Symposium
9:00 AM–4:30 PM, Room 210

Wednesday 12:00 PM

Lunch
12:00 PM–1:00 PM
Lunch is included with the Research Symposium and all full day workshops. Service is available throughout the hour. (Lunch is not provided with half day workshops.)

Wednesday 1:00 PM

Afternoon Workshops
1:00 PM–4:30 PM
Note: Workshops require an additional fee. Onsite registration will be accepted as space allows. Check at the NAAEE office for details.

EECapacity: Tools For Advancing Your Mission
1:00 PM–4:30 PM, Room 204

How Can I Integrate and Implement Climate Change Environmental Education?
1:00 PM–4:30 PM, Room 202

Young Reporters for the Environment: Investigative Journalism and Environmental Education
1:00 PM–4:30 PM, Room 101

Wednesday 5:00 PM

Meeting
Guidelines Trainers’ Bureau Meeting
5:00 PM–6:00 PM, Room 102
Wednesday 5:00 PM

Opening Reception & Share Fair
5:00 PM–6:30 PM, Parliament Foyer

Whether this is your first NAAEE conference or your thirty-first, it starts here. Meet new colleagues and greet returning ones as you enjoy hors d'oeuvres and a cash bar at the opening reception of the conference. Board members and staff members will be there to greet you and answer questions about NAAEE and the 2014 conference. Learn about keynote speakers, conference sessions, the exhibit fair and Thursday’s celebratory luncheon, the special Friday reception and auction at the Canadian Museum of History, special interest group meetings, and much more.

During the reception, you’ll also have the opportunity to explore the exciting work of a variety of nonprofit organizations at this year’s Share Fair. The Share Fair includes tabletop displays highlighting successful programs and inspiring ideas.

Come break the ice, connect with colleagues, and begin to foster relationships that we hope will continue far beyond the conference.

Wednesday 6:30 PM

Conference Opening and Keynote Address
6:30 PM–8:30 PM, Canada Hall 1

Immediately following the reception, we’ll officially kick off the conference with comments from Executive Director Judy Braus, Board President Pepe Marcos-Iga, and the popular mayor of Ottawa, Jim Watson.

In addition, students of Nunavut Sivuniksavut will perform traditional Inuit music. Founded in 1985, Nunavut Sivuniksavut is a unique Ottawa-based college program for Inuit youth from Nunavut preparing for the educational, training, and career opportunities created by the Nunavut Land Claims Agreement and the new Government of Nunavut.

Following the performance, veteran National Public Radio science correspondent and award-winning TV journalist Ira Flatow will share his insights on bringing cutting issues in science, technology, and environment to the forefront of public attention.

Ira Flatow is the host of the Science Friday radio show, a weekly call-in radio program and podcast that connects 2 million weekly listeners with scientists for informative discussions about science, technology, health, space, and the environment. He describes his work as a challenge “to make science and technology a topic for discussion around the dinner table.”

On television, he has discussed cutting-edge science stories on a range of programs, including the four-part PBS series Big Ideas. For six years, Flatow was host and writer for the Emmy Award-winning Newton’s Apple on PBS and he has been a science reporter for CBS, Westinghouse, and CNBC. In his 40-year career, he has talked science on The Today Show, Charlie Rose, Merv Griffin, and Oprah. He is the author of numerous books, the latest of which is Present at the Future.

He has spoken at Rockefeller University, the World Economic Forum, Sun Microsystems, Hewlett Packard, Calvin Academy, Cal Tech, MIT, Harvard, National Inventors Hall of Fame, and the Kentucky Author Forum.

Recent honors include the National Science Board Public Service Award (2005), AAAS Journalism Award (2000), the Carl Sagan Award (1999), and the Nierenberg Prize for Science in the Public Interest (2010). More recently, Ira was named as the winner of the 2012 Isaac Asimov Science Award and has also received an honorary doctorate from Pennsylvania’s Muhlenberg College.
Thursday 7:45 AM

Meeting

EECapacity Higher Education Partners Meeting
7:45 AM–8:30 AM, Room 201
By invitation.
Coordinator(s): Susan Gentile, Antioch University

Thursday 8:00 AM

Exhibit Fair Opens
8:00 AM–5:00 PM, Canada Hall 2/3
See page 44 for the list of exhibitors.

Thursday 8:30 AM

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

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

Sustainability and Education Policy: National Research on K–12 and Higher Education in Canada
8:30 AM–10:00 AM, Room 215
This symposium will share research on sustainability in K–12 and higher education across Canada. We will discuss sustainability policy and practice in formal education, including in relation to other national contexts.
Presenter(s): Kristen Hargis, University of Saskatchewan; Marcia McKenzie, University of Saskatchewan; Arjen Wals, Wageningen University, The Netherlands & University of Gothenburg, Sweden
Strand: ●

To Measure and What to Measure? Those are the Questions
8:30 AM–10:00 AM, Room 210
Using the Peel EcoSchools, the Weston Family Environmental Leaders of Tomorrow, and Monarch Teacher Network of Canada programs as models, panelists discuss successes, challenges, and lessons learned as they reflect upon that which they value and that which they evaluate.
Presenter(s): Lindsay Bunce, Toronto and Region Conservation Authority; Nancy McGee, Toronto and Region Conservation Authority; Vicky An, Toronto and Region Conservation Authority; Nicole Hamley, Toronto and Region Conservation Authority
Strand: ●
Hands-on Presentations
8:30 AM–10:00 AM

Getting EE into the Alberta Curriculum
8:30 AM–10:00 AM, Room 211
The Alberta Council for EE hopes to move EE from the margins into the mainstream of education. We’ll share how we’ve positioned our organization and EE, show you our curriculum toolkit, and demonstrate how we’re using energy literacy to advance environmental literacy.
Presenter(s): Gareth Iain Thomson, Alberta Council for Environmental Education; Christina Pickles, Alberta Council for Environmental Education

Integrating EE Into University Coursework: Why Recreate The Wheel?
8:30 AM–10:00 AM, Room 204
Come spend some time with members of the Pre-service Advisory Board and all other interested folks as we share, explore, discuss, and develop ways to integrate EE into university coursework. Bring your syllabi, questions, and ideas for a working session.
Presenter(s): Bora Simmons, National Project for Excellence in Environmental Education; Molina Walters, Arizona State University; Yash Bhagwanji, Florida Atlantic University; Jeanine Huss, Western Kentucky University; Teresa Schretter Coker, Green Mountain College; Courtney Crim, Trinity University; Christine E Moseley, University of Texas at San Antonio; Joe A. Baust, Longwood University; Blanche Desjean-Perrotta, University of Texas at San Antonio

Introducing the Community EE Strategy Wheel
8:30 AM–10:00 AM, Room 213
The Community EE Strategy Wheel offers an innovative approach to building connections between neighborhood needs and environmental stewardship outcomes. Additionally, users of the wheel can opt into a network where they are paired with others who share complementary interest and capacities.
Presenter(s): Akiima Price, Akiima Price Consulting

Invasive Species Education: Many Audiences and Approaches Critical to Success
8:30 AM–10:00 AM, Room 102
Invasive species are moving quickly across Canada, and have far-reaching impacts on our environment, economy, and society. Public engagement is critical in combating invasive species. Explore innovative social marketing, educational, and volunteer-based initiatives and share new approaches and assessment strategies.
Presenter(s): Sue Jean Staniforth, Invasive Species Council of British Columbia

Neighborhood Sustainability Stewards Take Climate Change Action in Their Communities
8:30 AM–10:00 AM, Room 202
The Neighborhood Sustainability Steward Volunteers are part of an innovative community-wide project to address climate change on a local level. Trained volunteers engage the public in taking positive climate change action to reduce emissions and learn to live more sustainably.
Presenter(s): Maggie T. Livesay, Oregon State University Extension; Jody Einerson, Oregon State University Extension, Benton County

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

Birds and Children in Costa Rica: Evaluation of BirdSleuth International
BirdSleuth International, a bird-based curriculum from Cornell Lab of Ornithology was implemented in Costa Rica. Evaluation of knowledge, attitudes, and behaviors showed unexpected differences between both rural and urban environments. A logic model was proposed for future implementation and evaluation.
Presenter(s): Marisol Mayorga, Kansas State University; Jennifer Sanchez, Universidad de Costa Rica

Strand:
- 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
Discovery Hill: Outdoor Learning Center
The Austin Independent School District in Austin, Texas has partnered with the National Wildlife Federation to install a district demonstration habitat. The habitat is used for teacher trainings and student field trips and is an integral part of their Outdoor Learning Center.
Presenter(s): Anne Muller, Austin Independent School District

Merging Institutions and Disciplines Improves Earth and Environmental Science Literacy
Ithaca, New York’s Museum of the Earth and its Cayuga Nature Center have merged, bringing together understandings of the history of Earth and its life with experiential environmental education promises to build deeper understandings of the Earth system.
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

Wings Over Wascana Nature Festival
Discover the natural world hidden within an urban city. The Wings Over Wascana Nature Festival in Regina, Saskatchewan brings together school children and the general public to connect with a natural gem in the centre of the city.
Presenter(s): Leah Japp, Saskatchewan Outdoor and Environmental Education Association

Energy Competitions: Measuring Student Learning and Carbon Savings
Ten Maine schools saved $135,000 in electricity costs over two years, in part through competitions hosted by the Energy for ME program. Learn about the methods used to organize and promote competitions, and what evaluation data reveal on student learning.
Presenter(s): Ruth Kermish-Allen, Island Institute; Rachel E. Thompson, Island Institute

Group B
8:30 AM–10:00 AM, Room 212

Environmental Education Capacity-Building—Highlighting a New Teacher Training Program
We will discuss the concept and outline of innovative in-class coaching and professional development workshops for teachers that will enhance their capacity for environmental education. Our program provides teachers with the knowledge and tools needed to effectively teach their students about the environment.
Presenter(s): Laura Leet, SEED Educators/Maison Tucker House/Ottawa-Carleton District School Board

Environmental Sustainability for Preservice Educators: What They Need to Know
We are developing a preservice teacher sustainability education program. Participants will have the building blocks to help develop their own programs as well. The audience is invited to help us flesh out key ideas as we move into the future.
Presenter(s): Lauren Madden, The College of New Jersey

Exploring Environmental Education Curriculum Options (ECO): Teacher Training Summer Camp
This national award-winning program is designed for current and aspiring elementary and ESE school teachers to showcase existing state/national EE curriculum they can bring to the classroom. Come learn about this impactful program and how you can start one too!
Presenter(s): Lara Miller, University of Florida/Institute of Food and Agricultural Sciences, Extension Pinellas County

Residential Education: Impacts on Long-Term Knowledge, Attitudes, and Environmental Behavior
This study investigates the long-term effects a week-long residential program has on knowledge, attitudes, and responsible environmental behavior. Findings have implications for the effectiveness of residential programs; furthermore, the correlation between growth in knowledge and attitude to that of behavior.
Presenter(s): Janice Schnake Greene, Missouri State University; Catherine Marie Combs, Missouri State University
Sowing Seeds: Professional Learning for a New Generation
Professional learning is key to changing institutional practices. This talk focuses on why teacher inquiry groups are essential for pre-kindergarten to grade 12 educators’ professional learning in Environmental Education and how faculties of education can support these initiatives.
Presenter(s): Lyndsay Moffatt, University of Prince Edward Island; Andrea McVean, University of Prince Edward Island
Strand: ●

Traditional Presentations
8:30 AM–9:10 AM

The Benefits of EE Certification to Individuals
8:30 AM–9:10 AM, Room 208
States offering EE Certification Programs (SCPs) developed their program to support professional development and to advance EE in their state. SCP representatives will share their experiences and answer questions about how their SCP has benefited individuals within and beyond their states.
Presenter(s): Jennifer Bucheit, 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; Elena Takaki, Maryland Association for Environmental & Outdoor Education; Andree’ Walker Bravo, Utah Society for Environmental Education; Brenda Weiser, Texas Association for Environmental Education
Strand: ●

Climate Change EE: EECapacity-Generated Resources & Suggestions for Informal/Formal Educators
8:30 AM–9:10 AM, Room 108
Learn about practices used and products created by E Educators in EECapacity’s 2013 Climate Change EE Project-Based Online Learning Community Alliance (POLCA)—a needs assessment, research-based approaches, academic standards, and learner-focused inquiries—to help advance your programs for teachers and K-to-gray learners.
Presenter(s): Susan Gentile, Antioch University; Karen S. Hollweg, retired; Jennifer Hubbard-Sanchez, Kentucky State University; Kristen Iverson Poppleton, Will Steger Foundation
Strand: ●

Connections on the Tundra—Science and Culture In Situ Learning
8:30 AM–9:10 AM, Room 106
Marrying the scientific way of studying nature with a Dene way of knowing the land, our 10-day course in field sciences and Tlicho culture on the tundra of the Northwest Territories, Canada, is a case study for connecting people with nature.
Presenter(s): Tasha Stephenson, Government of Northwest Territories Department of Environment and Natural Resources
Strand: ●

Engaging 10 Million Kids Outdoors: The Best of Best Practices
8:30 AM–9:10 AM, Room 103
Learn best practices and strategies from five park agencies that documented tremendous growth in their programs during the first year of the 10 Million Kids Outdoors campaign, a three-year initiative to get kids outdoors for active environmental learning in parks.
Presenter(s): Jessica Culverhouse, National Environmental Education Foundation
Strand: ●

From Content to Action: Infusing EE into Secondary Science Classes
8:30 AM–9:10 AM, Room 105
How do teachers’ perceptions of importance and competence impact environmental education curriculum infusion? This session explores the results of a study that investigated the status of curriculum infusion in secondary science classes in Connecticut.
Presenter(s): Kathleen Sirois Coghill, West Hartford Public Schools
Strand: ●

From “In-Person” to “Online”: Designing a PD Experience for Educators
8:30 AM–9:10 AM, Room 101
Project Learning Tree is developing a new, dynamic online professional development (PD) program for educators. PLT’s online PD offers collaborative and intensive learning experiences that are content-rich and practice-focused. In this presentation, we discuss our design approach and report pilot test results.
Presenter(s): Jennifer Pic, Project Learning Tree
Strand: ●
Strategies for Effective Organized Advocacy for Environmental Education
8:30 AM–9:10 AM, Room 107
Environmental educators need to engage in advocacy to advance the field. Competition is fierce for space in the classroom, especially for what’s seen as a non-core subject. This session will highlight strategies advocates use to make environmental education a priority.
Presenter(s): Brock Morris Adler; Traci Price, The Oregon Community Foundation
Strand: ●

Roundtable Discussions
8:30 AM–9:10 AM
Comparing Outreach Methods for Their Effect on Learning Environmental Education
8:30 AM–9:10 AM, Room 205/207, Table 1
The delivery method can impact how students and teachers are exposed to many important topics in environmental education outreach. A study conducted with university entomology outreach compared three methods for their effect on understanding of and interest in this field.
Presenter(s): Faith Weeks, Purdue University
Strand: ●

A Framework for Developing a Curriculum for Yellowstone’s Youth Conservation Corps
8:30 AM–9:10 AM, Room 205/207, Table 2
Do you find yourself struggling to develop a curriculum, or do you want to strengthen your current curriculum? This presentation will explore the application of a framework for designing a curriculum that will strengthen your educational practices.
Presenter(s): Ana Houseal, University of Wyoming
Strand: ●

From Crown Heights to Capetown: Youth Climate Activism from Local to Global
8:30 AM–9:10 AM, Room 205/207, Table 3
How are young people working to create more sustainable communities while also collaborating with international partners to take action on climate change? This hands-on presentation will share innovative examples, best practices, and facilitate action planning to strengthen climate education and environmental citizenship work.
Presenter(s): Jatnna Ramirez, Global Kids
Strand: ●

Is Education for Sustainability Really Sustainable?
8:30 AM–9:10 AM, Room 205/207, Table 4
This presentation explores the constraints to implementing an energy conservation and carbon reduction program in Kimen High School in Taiwan. The case study found that national energy and climate change policies were not sufficient to guarantee success without full dialogue between local governments and schools.
Presenter(s): Shun-Mei Wang, Graduate Institute of Environmental Education, National Taiwan Normal University
Strand: ●

Positive Framing that Promotes Sustainable Living
8:30 AM–9:10 AM, Room 205/207, Table 5
Sustainable living is often inadvertently framed as an unappealing drastic reduction in standard of living, when in reality it is an major increase in quality of life. We must focus our framing on the positive outcomes that sustainable living brings.
Presenter(s): Richard R. Jurin, University of Northern Colorado
Strand: ●

Thursday 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
Attracting Volunteers to and Keeping Them at Your Organization
9:20 AM–10:00 AM, Room 107
Volunteers are hard to attract, manage, and don't provide quality work, right? Wrong! Learn how the Utah and Colorado affiliates manage $80,000 in volunteer staff time each year as well as volunteer committees! Tips and lessons learned will be shared.
Presenter(s): Andree Walker Bravo, The Utah Society for Environmental Education; Katie M. Navin, Colorado Alliance for Environmental Education
Strand: ●
The Benefits of EE Certification Programs to States and Provinces
9:20 AM–10:00 AM, Room 208
States offering EE Certification Programs (SCPs) developed their program to support professional development and to advance EE in their state. SCP representatives will share experience and answer questions about shorter- and longer-term benefits of SCPs for their and other states.
Presenter(s): Jennifer Bucheit, 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; Elena Takaki, Maryland Association for Environmental & Outdoor Education; Andree’ Walker Bravo, Utah Society for Environmental Education; Brenda Weiser, Texas Association for Environmental Education
Strand: 

Beyond the Conference: Using the EE Guidelines for Excellence for Collaborative PD
9:20 AM–10:00 AM, Room 101
Seasoned environmental educators are great at hosting conferences and workshops, but what types of ongoing professional development can we create for ourselves? Learn about a successful approach to providing PD for environmental educators that explores both content knowledge and pedagogy practice.
Presenter(s): Sandra V Ryack-Bell, Museum Institute for Teaching Science; Jennifer Klein, Museum Institute for Teaching Science
Strand: 

Constructing Sustainability Niches Through Education that Integrates Indigenous Knowledge
9:20 AM–10:00 AM, Room 106
This session describes educational participative work in the Teenek region, Mexico, that recuperates rural-indigenous knowledge and production systems, and builds socioecological niches that are resilient, redundant, flexible, and sustainable under communitarian control. The work also builds management capacities in solidarity with context awareness.
Presenter(s): Pedro Medellín-Milán, Universidad Autónoma de San Luis Potosí; José-Antonio Ávalos-Lozano, Universidad Autónoma de San Luis Potosí; Luz-Maria Nieto-Caraveo, Universidad Autónoma de San Luis Potosí
Strand: 

EECapacity’s Community Climate Change Fellowship—A Pilot Program
9:20 AM–10:00 AM, Room 108
EECapacity, EPA's national environmental education and training program, piloted a new initiative that supports community leaders using environmental education practices to address a local community needs around climate change. Hear about what we’ve learned in this pilot program’s first year.
Presenter(s): Judy Braus, North American Association for Environmental Education; Susan Chung, co-designgroup.ca; Jason Davis, Climate Stories Project; Anne Umali Ferguson, Cornell University; Marna Hauk, Institute for Earth Regenerative Studies; Jennifer Hubbard-Sanchez, Kentucky State University; Stewart Jenkins, Coastal Watershed Council; Nadine Lefort, Sierra Club BC; Jose Marcos-Iga, Environmental Education Exchange; Elizabeth Pickett, Hawaii Wildlife Management Organization
Strand: 

EE Collaboration Through a Collective Impact Lens—A San Francisco Bay Area Case Study
9:20 AM–10:00 AM, Room 103
Working collaboratively, we can achieve greater outcomes in the communities in which we work. Join us to explore how funders, practitioners, and researchers in the San Francisco Bay Area are working together toward a shared vision for EE in their region.
Presenter(s): Jason Morris, NatureBridge; Nicole Ardon, Stanford University; Kirk Anne Taylor, ChangeScale
Strand: 

EPA’s Office of Environmental Education (OEE): Moving Forward
9:20 AM–10:00 AM, Room 104
An opportunity for participants to hear about OEE programs and projects. We will give an overview of current work, including our grant program and give participants a chance to ask questions.
Presenter(s): Ginger Potter, US Environmental Protection Agency
Strand: 

Every Child Healthy Outdoors (ECHO): A National Campaign for Communities
9:20 AM–10:00 AM, Room 105
This interactive session will introduce a new advocacy toolkit to help communities work together to get children back outside. Learn how you can join with NAAEE and the Alliance for Childhood to create an ECHO Across America.
Presenter(s): Christy Merrick, North American Association for Environmental Education; Linda L Rhoads, Alliance for Childhood

Investigating Wisconsin Teacher Education Programs: A Five-Year Follow-Up Study
9:20 AM–10:00 AM, Room 208
In Wisconsin, a policy exists that preservice teachers will be prepared to teach about the environment. How do the state’s 33 teacher education programs meet this policy? What material, human, and social resources play important roles in this teacher preparation?
Presenter(s): Scott Ashmann, University of Wisconsin-Green Bay; Rebecca Lee Franzen, University of Wisconsin-Stevens Point

Roundtable Discussions
9:20 AM–10:00 AM
Building a Community of Practice for Environmental Mentoring
9:20 AM–10:00 AM, Room 205/207, Table 1
Is mentoring a component of your programming? Join this discussion about key questions in environmental mentoring, including successful strategies, challenges, and more. Session participants will be encouraged to share resources and continue the conversation post-conference.
Presenter(s): Jessica Soule, EnvironMentors, National Council for Science and the Environment

Developing Early Childhood Environmental Education Networks and Educator Training
9:20 AM–10:00 AM, Room 205/207, Table 2
How can you develop an early childhood environmental education network? We will discuss recommendations for best practices and explore the role of professional development and university input. Learn how to strengthen early childhood EE in your area!
Presenter(s): Kristen Glover, University of Florida

EE ON TOP: Green Roofs with an Integrated EE Program
9:20 AM–10:00 AM, Room 205/207, Table 3
You CAN design, build, and manage a roof top garden to integrate with your own environmental program that fits your educational goals and objectives. Why not be on the bleeding edge of urban green practices and educational methodologies?
Presenter(s): Margie Sue Simon, CICEANA

Effective Writing for Enviro-Education Publications
9:20 AM–10:00 AM, Room 205/207, Table 4
Many conservation/environmental educators are excellent verbal communicators. Fewer have the skills—or have had enough practice—to be effective written communicators. This 40 minute session will introduce well-tested writing techniques for engaging non-academic audiences.
Presenter(s): Tim Grant, Green Teacher

Engaging Students in Greening Their College
9:20 AM–10:00 AM, Room 205/207, Table 5
This presentation looks at how we can engage our students in our campus greening efforts. In this talk we will examine how green revolving funds can stimulate engagement. It will also examine service scholarships, seminars, and internships as ways of engaging students.
Presenter(s): John Edmund Wear, Center for the Environment at Catawba College

Facts & Figures
The Canadian motto, A Mari Usque ad Mare, means “From sea to sea.”
Poster Presentations
9:20 AM–10:00 AM

1a) Adult Students’ Barriers to Sustainability
9:20 AM–10:00 AM, Room 214
Knowledge-based environmental education has been consistently found to be limited in its effectiveness due to its small and indirect role in actual environmental behavior change. Environmental education for adults has increasingly focused on both transformative learning as well as social activism to promote lasting sustainable change.
Presenter(s): Akilah Martin, DePaul University-School for New Learning

1b) Building Urban Community Wildlife Habitats with Youth (BUCWHY)
9:20 AM–10:00 AM, Room 214
BUCWHY, an EECapacity project developed by the U.S. Fish and Wildlife Service, empowers land-management professionals to work with local youth service corps to engage 14-25 year olds in job training, conservation skills, and leadership opportunities through sustainable community habitat enhancement, restoration, or monitoring projects.
Presenter(s): Michelle Donlan, U.S. Fish and Wildlife Service

1c) Community Resilience and Food Security Through Collaborative Gardening
9:20 AM–10:00 AM, Room 214
The Westmoreland Garden Project is a collaboration between university students, faculty, and the local community focusing on building community connections to healthy food through collaborative gardening. Students will share stories, challenges, and insights related to their community-based food justice efforts.
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

1d) HEED: Implementing Environmental Education Through a Humane Lens
9:20 AM–10:00 AM, Room 214
Humane Environmental Education (HEED) personalizes environmental education by delivery through a humane lens that centers on issues such as nonviolence, compassion, wellness, and social consciousness. Learn how to utilize HEED to engage schools and communities to embrace environmental education.
Presenter(s): Liz A. Stanislav, LizziDesign Humane Environmental Education; Srinivasan Varadarajan, LizziDesign Humane Environmental Education

1e) School Midday Meal Scheme: A Model Sensitization Program for Stakeholders
9:20 AM–10:00 AM, Room 214
The School Midday Meal Scheme in India is a government program to build sustainable communities and create food security in the country. The presentation provides a framework for training and sensitization of all stakeholders for effective implementation of the program.
Presenter(s): Hema R. Pant, Indira Gandhi National Open University

1f) University Science Faculty Perceptions of Spatial Thinking for Environmental Literacy
9:20 AM–10:00 AM, Room 214
Spatial thinking is critical to the kind of environmental literacy that produces sustainable behavior. Designing a framework for its development begins by surveying university faculty members across the sciences, eliciting their perspectives on spatial thinking about environmental problems.
Presenter(s): Heather Skaza, University of Nevada–Las Vegas; MaryKay Orgill, University of Nevada–Las Vegas; Kent Crippen, University of Florida

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

**Achieving Peak Performance as a Nonprofit**

**10:30 AM—11:10 AM, Room 107**

Your nonprofit is a corporation, but do you operate like one? In this session you will analyze your organization's operation and management, identify its strengths and weaknesses, and discuss how to improve it—all in the name of good governance.

Presenter(s): Susan McGuire, McGuire Consulting

Strand: ●

**Campus as a Living Lab: Learning Community of Environment and Sustainability Educators**

**10:30 AM—11:10 AM, Room 101**

This presentation showcases a campus learning community that bridges the gap between theory and practice. It includes environmental educators from K–15 settings; high school students from California Partnership Academy; and administrators and staff from operations and facilities, and academic and student affairs at CSULA.

Presenter(s): Manisha Javeri, California State University, Los Angeles; Irene U. Osisioma, California State University, Dominguez Hills; Carolina Sandoval, California State University, Los Angeles; Lindsey Salamanca, California State University, Los Angeles/Los Angeles Unified School District; Carol C. Johnston, Mount St. Mary’s College, Los Angeles; Mahantesh Hiremath, California State University, Los Angeles

Strand: ●

**Can We Play Again? Building Environmental Engagement Through Location-Based Games**

**10:30 AM—11:10 AM, Room 102**

Can smart phones encourage exploration and engagement at informal learning institutions? Two zoos and two botanical gardens have been using free software to develop interactive, location-based mobile games for children ages 10–13 and their families.

Presenter(s): Susan Baron, Missouri Botanical Garden; Cindy Spiva-Evans, San Diego Zoo Global

Strand: ●

**Dogwood Canyon Audubon Center—EE Research Study Results**

**10:30 AM—11:10 AM, Room 104**

Dogwood Canyon Audubon Center, Cedar Hill ISD and the University of Dallas conducted a research study on the effects of Audubon EE programming on 5th graders. Come hear about the results and how you can use it to help sell your EE programs to school districts.

Presenter(s): Haily Summerford, Texas Association for Environmental Education

Strand: ●

**Evaluating the Student Climate & Conservation Congress’s Influence on Conservation Behavior**

**10:30 AM—11:10 AM, Room 105**

This presentation will explore the effects that the Student Climate and Conservation Congress has had on its participants in developing attributes necessary for environmentally responsible behavior, encouraging environmental action, and fostering continued commitment to conservation.

Presenter(s): Katy Perry, Green Schools Alliance; Nathaniel Blood; Georgia Jeppesen, U.S. Fish and Wildlife Service; Julie Ernst, University of Minnesota Duluth; Margaret Howard Watson, Green Schools Alliance

Strand: ●

**EECapacity: An Overview of EPA’s National Environmental Education Training Program**

**10:30 AM—11:10 AM, Room 103**

EECapacity aims to bring new voices, ideas, and innovation to environmental education. Now in its third year, hear how EECapacity and its partners have strengthened the field of EE through professional development and networking opportunities for EE professionals and volunteers.

Presenter(s): Marianne Krasny, Cornell University; Anne Umali Ferguson, Cornell University

Strand: ●

**NAAEE’s New National Recognition Program for Entry-Level Professionals**

**10:30 AM—11:10 AM, Room 108**

If it’s early in your EE career, or you want a better foundation in EE to enhance the work you’re doing, NAAEE’s new national recognition program is for you. Learn how this professional development opportunity can help you become well grounded in the field.

Presenter(s): Bora Simmons, National Project for Excellence in Environmental Education; Lori Mann, NAAEE

Strand: ●

**10:30 AM–11:10 AM, Room 106**
IslandWood is developing a Nature Passport App in partnership with Nature Play Australia and brand partners National Geographic and North Face to marry technology and environmental education. Come learn, play, and discuss how technology can be an ally in connecting a generation to nature.

*Presenter(s): Martin LeBlanc, Islandwood*

**Strand:**

**Rupununi Red Road Video: Creative EE Research Dissemination in Guyana**

**10:30 AM–11:10 AM, Room 204**
Learn about the opportunities and challenges of using the arts to disseminate EE research findings in rural indigenous communities. Makushi communities in Guyana requested documentaries as the culturally appropriate and engaging way to report findings about their Wildlife Club program.

*Presenter(s): Julie Comber, University of Ottawa*

**Strand:**

**SEAl Loose in the Classroom: Students Engaged in Authentic Literacy**

**10:30 AM–11:10 AM, Room 211**
This presentation discusses how teachers connected technology and Project Based Learning to enhance 21st century literacy skills (collaborate, communicate, connect, and create). Teachers and students used iPads in a variety of ways during real-world, challenging, contextual lessons.

*Presenter(s): Michelle A Mileham, Oregon State University*

**Strand:**

**Technology and Place: Keys to Elementary-Appropriate Climate Change Education**

**10:30 AM–11:10 AM, Room 213**
In WeatherBlur, students, fishermen, and scientists study the local impacts of climate change through an online learning community. Learn and discuss how this technology-rich, place-based approach introduces climate change to K–8 students through a developmental continuum of experiences.

*Presenter(s): Ruth Kermish-Allen, Island Institute; Rachel E. Thompson, Island Institute*

**Strand:**

**Utilizing a Youth-Employment Model to Increase Energy-Efficiency and Conservation Behavior**

**10:30 AM–11:10 AM, Room 203**
California Youth Energy Services (CYES) inspires young people to become conservation advocates through a unique youth employment model. Learn how an innovative non-profit organization providing no-cost household conservation retrofits is empowering both youth and residents to lead more sustainable lifestyles.

*Presenter(s): Heather Kathleen Hochrein, Rising Sun Energy Center*

**Strand:**

**What Can I Do in 15 Seconds? Using Micro-Video in EE Practice (Part 1)**

**10:30 AM–11:10 AM, Room 202**
Lights, Smartphone, Action! Bring your mobile device and explore micro-video as a teaching and learning tool. Get up to speed on mobile video production, and learn how to create “mash-ups” you can share with the world. (Follow-up session on Saturday.)

*Presenter(s): Justin Smith, Cornell University*

**Strand:**

**Roundtable Discussions**

**10:30 AM–11:10 AM**
**Bringing EE into Unlikely Higher Education Settings Through Service Learning**

**10:30 AM–11:10 AM, Room 205/207, Table 1**
Learn how to integrate EE into your higher education classrooms! This presentation will discuss challenges and successes in training 60 undergraduate wildlife students in Project WILD and placing them in elementary school classrooms across North Carolina.

*Presenter(s): Kathryn Stevenson, North Carolina State University*

**Strand:**

**Check Out Project WILD’s New and Expanded Aquatic WILD!**

**10:30 AM–11:10 AM, Room 205/207, Table 2**
Come see the latest from Project WILD! Whether you are a veteran of WILD or just learning about the program, we are excited to share with you the newest development, the recently expanded Aquatic WILD K–12 Curriculum and Activity Guide.

*Presenter(s): Marc LeFebre, Council for Environmental Education*

**Strand:**
DC's Environmental Literacy Framework: Embracing Competing Initiatives through Collaboration
10:30 AM–11:10 AM, Room 205/207, Table 3
Learn how DC agencies and stakeholders have leveraged different initiatives to develop curricular materials that fully address NGSS and environmental literacy. Critique our Environmental Literacy Framework and see how you can adapt our experience and resources to your state.
Presenter(s): Rebecca N. Davis, District of Columbia Environmental Education Consortium; Grace Manubay, District Department of the Environment
Strand: Intergenerational learning and transformative leadership for Sustainable Futures
10:30 AM–11:10 AM, Room 205/207, Table 4
This presentation explores the intersection of education, intergenerational learning, and transformative leadership. We will share the creative and innovative contributions that academic centers, networks, and programs are making to advance strong sustainability in education, especially in higher education.
Presenter(s): Brandon Hollingshead, Center for Environmental and Sustainability Education at Florida Gulf Coast University; Peter Blaze Corcoran, Wangari Maathai Institute for Peace and Environmental Studies
Strand: Non-Formal Learning Environments as Leaders in Environmental Education
10:30 AM–11:10 AM, Room 205/207, Table 5
Come learn how a single non-profit research organization is making a multitude of differences in its local community through a continuum of programming designed with research-based best practices to inspire sustainability through connection to place, plants, and our natural world.
Presenter(s): April T. Sawey, Botanical Research Institute of Texas
Strand: Place-Based Education for Sustainable Communities
10:30 AM–11:10 AM, Room 205/207, Table 6
Sense of place is a potentially motivating influence in citizenship behavior to improve community sustainability. This session will provide recommendations, tips, activities, and resources for designing programs to develop participants’ sense of place as a motivator for sustainable behaviors.
Presenter(s): Jeremy Solin, Wisconsin Center for Environmental Education
Strand: Using a Delphi Survey to Build Consensus Among Diverse Groups
10:30 AM–11:10 AM, Room 205/207, Table 7
Through the use of a Delphi survey, teachers, scientists, resource managers, Native American tribal members, and others were able to build consensus about the knowledge, skills, and dispositions that were most essential in teaching young people about their local watershed.
Presenter(s): Michael Brody, Montana State University; Kimberly Yates, Northern Kentucky University; Rose R. Vallor, Montana State University
Strand: Poster Presentations
10:30 AM–11:10 AM
2a) Connecting Diverse Communities in Hawaii Through Land and Water Stewardship
Through Land and Water Stewardship
10:30 AM–11:10 AM, Room 214
Connection to place is a source of identity and wellbeing for Hawaii residents—the same as profession, family, or culture are elsewhere. Addressing environmental issues brings people together in powerful and new ways, especially as youth lead adults toward sustainability.
Presenter(s): Elizabeth Pickett, Hawaii Wildfire Management Organization, Malama Kai Foundation
Strand: \( \bullet \)
2b) Developing Indicators for Evaluating Taiwan Forestry Bureau’s Nature Centers
10:30 AM–11:10 AM, Room 214
Taiwan Forestry Bureau’s (TFB) nature centers is the leading outdoor environmental education program provider in Taiwan. This study shows efforts of developing an evaluation framework with five major concerned areas and 58 indicators for TFB’s nature centers by using Delphi Technique.
Presenter(s): Shih-Jang Hsu, Department of Natural Resources and Environmental Studies, National Dong Hwa University; Nae-Wen Kuo, Department of Geograpahy, National Taiwan Normal University; Hsi-Ching Wang, Graduate Institute of Environmental Education, National Taiwan Normal University; Ju Chou, Graduate Institute of Environmental Education, National Taiwan Normal University

2e) Measuring Environmental Education Outcomes: EECapacity’s E-Book
10:30 AM–11:10 AM, Room 214
EE can influence individuals, communities, and ecosystems. Educators may want to measure and report relevant EE outcomes. Our poster presents a related EECapacity online community of educators who explored this issue and wrote an e-book on “Measuring EE Outcomes.” (http://www.naee.net/publications/MEEO).
Presenter(s): Michelle Eckman, Connecticut Audubon Society; Christina Dembiec, Jacksonville Zoo and Gardens; Diane Krug, Greenwood School
Strand: ●

2f) Professionalization and Competencies Development for Environmental Education Through Virtual Environments
10:30 AM–11:10 AM, Room 214
Learning processes and outcomes of innovative axes of two continuing education programs aimed at training environmental educators in Mexico are analyzed. The axes are: sustainability and complexity, competencies development, project-based learning, building learning communities and virtual environments with ICTs.
Presenter(s): Luz-María Nieto-Caraveo, Universidad Autónoma de San Luis Potosí; Pedro Medellín-Milán, Universidad Autónoma de San Luis Potosí
Mariana Oliva-Buendía, Universidad Autónoma de San Luis Potosí
Strand: ●

2c) Embedding Project Learning Tree into Preservice Teacher Education
10:30 AM–11:10 AM, Room 214
Project Learning Tree is a powerful tool for integrating EE into preservice teacher education. Its main limitation is the number of teacher educators who use it. Illinois addressed this issue with a facilitator training aimed specifically at university faculty.
Presenter(s): Robert L Carter, Northern Illinois University
Strand: ●

2d) Finding the Sweet Spot: Engaging Youth in Co-Designing Sustainable Communities
10:30 AM–11:10 AM, Room 214
Engage youth to co-design communities using ecological collaborative drawing techniques. Draw, doodle, and design our sustainable future. Field-tested techniques developed by Susan Chung and Stanley King: youthmanual.blogspot.ca
Presenter(s): Susan Chung, co-designgroup.ca
Strand: ●

2g) Using Assessment and Evaluation to Target Audiences and Guide Program Improvement
10:30 AM–11:10 AM, Room 214
Environmental education programs use assessment to measure participant knowledge gain, and evaluation to determine program success. Assessment and evaluation data were used in targeting audiences and guiding program revision as part of the continual process of improving the Utah Master Naturalist Program.
Presenter(s): Mark Larese-Casanova
Strand: ●
Thursday 11:30 AM

Keynote Address
11:30 AM–12:30 PM, Canada Hall 1

J. DREW LANHAM
The Mission—Heart’s Work and the Art of Feeling our Way

J. Drew Lanham is a native of Edgefield, South Carolina with a B.A. and M.S. in Zoology and Ph.D. in Forest Wildlife Ecology from Clemson University. He is an award winning faculty member and was named as Distinguished Alumni Professor and Master Teacher at his alma mater in 2012. Dr. Lanham is a Certified Wildlife Biologist and an active board member in several organizations including the South Carolina Wildlife Federation, Aldo Leopold Foundation and BirdNote. He is a widely published essayist and an endeavoring poet who has contributed to several anthologies with pieces focusing on a passion for place and introspectives on the internal and societal conflicts that sometimes put ethnicity and passion for nature at odds. His most recent work, “9 Rules for the Black Birdwatcher,” was featured in *Orion Magazine* and on NPR’s *All Things Considered.* Drew’s first solo work, *The Home Place, Memoirs of a Colored Man’s Love Affair with Nature* (Milkweed Editions), is due to be published late in 2014-early 2015. A member of the inaugural Audubon/ToyotaTogether Green Fellows class and a member of the Whole Thinking Community at Knoll Farm, he views his professional passion and personal missions converging to define environmental sustainability and conservation in new ways. A major focus of this effort is to tell the stories of Black-American connections to nature in the Southeast and beyond. Drew is a lifelong birder, naturalist and avid hunter living in the Upstate of South Carolina with his wife Janice. They have two adult children: Kimberly Alexis and Donovan Colby.

Thursday 12:30 PM

Exhibit Fair Celebration Luncheon
12:30 PM–2:15 PM, Canada Hall 2/3

Chat with exhibitors, explore new products and services, get books signed in the Authors’ Corner, and learn more about the Affiliates and the many services they offer their members on the state and provincial levels. All this, and a great buffet lunch, which is included with Thursday or full conference registration!

Thursday 2:15 PM

The following sessions all start at 2:15 PM. The end times vary with the type of session as indicated. Ninety-minute sessions are listed first, followed by 40-minute sessions.

Symposium
2:15 PM–3:45 PM

Global Intersections in Environmental Education
2:15 PM–3:45 PM, Room 215

Sponsored by NAAEE, a panel of experienced international EE practitioners will explore current and emerging issues and their intersection with international environmental education: environmental and social justice, health, diversity, indigenous knowledge, climate change, and sustainability.

*Presenter(s):* Jose Marcos-Iga, Environmental Education Exchange; A. Michael Marzolla, University of California; Margie Simon, CICEANA; Shin-Cheng Yeh, Environmental Protection Administration, Taiwan; Peta White, Deakin University

Promoting Excellence in Environmental Education
2:15 PM–3:45 PM, Room 210

You’ve heard about NAAEE’s Guidelines for Excellence and may even have a copy or two. But how are they being used to improve EE practice? Hear directly from educators who are using them for program development, implementation, and improvement.

*Presenter(s):* Bora Simmons, National Project for Excellence in Environmental Education; Donny E. Roush, Earth Force; Yash Bhagwanji, Florida Atlantic University; Elizabeth Schmitz, Kentucky Environmental Education Council; Andree Walker Bravo, The Utah Society for Environmental Education; Katie M. Navin, Colorado Alliance for Environmental Education; Elaine Hampton, University of Texas at El Paso

Strand: ●
Hands-on Presentations
2:15 PM–3:45 PM

Environmental Literacy Plans: Open Space Learning, Sharing, and Networking
2:15 PM–3:45 PM, Room 213
Environmental Literacy Plans are a collaborative effort. Join us in an Open Space format to capitalize on experiences of states across the US. Open discussion will generate ideas and solutions for pressing environmental literacy opportunities and challenges in your state.
Presenter(s): Brock Morris Adler; Traci Price, The Oregon Community Foundation

Our Attunement to the Natural World Through Our Ecological Identity
2:15 PM–3:45 PM, Room 204
The human/nature relationship is recognized as the vital link to change our world through the manner in which we connect with the natural world. This workshop will allow participants to investigate their own attachment to the natural world.
Presenter(s): Alan Warner, Acadia University

(Re)placing Ourselves in Nature: How (Trans)formative Places Might Foster Connectedness
2:15 PM–3:45 PM, Room 208
If you were asked to remember a special place, where would you go? Likely, you just thought of a stream, back-alley, or park. Join this interactive presentation to explore (trans)formative places, discover their educational relevance, and build place-based skills.
Presenter(s): Nicholas Stanger, Western Washington University

A Training Mission with the Agents of Nature Mobile App
2:15 PM–3:45 PM, Room 102
Technology has left youth disconnected from nature and the best remedy is...technology! Discover how gamification is getting youth outdoors and learning about their local environment in engaging new ways through the Agents of Nature mobile app.
Presenter(s): Mary Krupa-Clark, Get to Know Society

Unleashing Renewable Energy: Using Appreciative Inquiry to Reframe the Ecological Crisis
2:15 PM–3:45 PM, Room 202
Explore earth’s Big History and rediscover the resiliency of our planet. Experience Appreciative Inquiry (AI), a positive revolution in the leadership of change, and the impacts it’s having in school-boards, universities, non-profits and health care institutions.
Presenter(s): Maureen McKenna, Innovation Works; Olivia Olga Seillier, Canadian Museum of Nature

Using Media Decoding and Production to Invest Learners in Sustainability
2:15 PM–3:45 PM, Room 211
This engaging workshop will model how educators in formal and informal learning sectors can teach about relevant sustainability issues through deconstructing diverse media texts and encourage learners to become active agents of change in their community through media production.
Presenter(s): Kelsey Greene, Project Look Sharp

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

Group A
2:15 PM–3:45 PM, Room 203

Co-Teaching a Mi’kmaq Cultural Unit as Environmental Education
Respectful weaving of indigenous and environmental education is affirmation of self and community, and reimagining a collective environmental future. Learn about a six-week collaborative Mi’kmaq cultural unit delivered to ninety grade five students, and parallel decolonization reflections of a non-indigenous co-teacher.
Presenter(s): Margaret McKeon, Newfoundland and Labrador English School District
Connecting Foster Families to Nature
Service learning project connects students and foster families educating them about the wonders of the natural world. This program will share about the process of setting up this experience, lessons learned, and considerations for future experiences.
Presenter(s): Sarah West Davis, Florida Gulf Coast University
Strand: ●

Creating a Culture of Accessibility and Inclusion in EE
Creating accessible spaces and offering inclusive programs for all learners should be the norm, not the exception. Panelists will discuss the relevance of this topic, ways to adapt programs and spaces, and creating a culture of accessibility in your community.
Presenter(s): Jaclyn Peterson, Lincoln Park Zoo; Alicia Green, Chicago Botanic Garden
Strand: ●

Get Outdoors Day—Connecting Underserved Audiences with the Great Outdoors
Connecting youth and families to the outdoors is the focus of Get Outdoors Day, a day long, educational outreach event in the mid-Willamette Valley, Oregon. This event focuses on providing underserved youth and families with a safe, successful outdoor experience.
Presenter(s): Maggie T Livesay, Oregon State University Extension; Jody Einerson, Oregon State University Extension, Benton County
Strand: ●

Using Outdoor Recreation Opportunities to Engage
Morehead State's Center for Environmental Education has actively been involved with outdoor recreation activities designed to engage young people and families with their local environment. These activities included climbing camps as well as trail town and paddling events.
Presenter(s): April Haight, Graining Fork Nature Preserve
Strand: ●

Group B
2:15 PM–3:45 PM, Room 212

Co-Teaching a Global Climate Change Course for Undergraduates
Two professors are teaching a global climate change class to encourage students to think differently about this topic. Students will look at the social and cultural aspects of global climate change, along with the science behind it.
Presenter(s): Jeanine Huss, Western Kentucky University; Leslie North, Western Kentucky University
Strand: ●

The Earth Charter: An Inspirational Guide for Environmental Education Programs
Learn how the Earth Charter can help guide your EE programs through practical applications and teaching strategies. Explore examples and discuss possibilities for integrating the Earth Charter through environmental action projects, service learning, and interactive activities in formal and informal settings.
Presenter(s): Kim Charmatz, Florida Gulf Coast University
Strand: ●

How to Teach and How NOT to Teach Sustainability in College
This presentation will discuss the successes and failures of a five-year old university-wide course at the University of Arizona that focuses on social and environmental sustainability theory and hands-on activities to help transform urban areas and institutions of learning into truly sustainable places.
Presenter(s): Deborah Barca; Alberto Arenas, University of Arizona
Strand: ●

University Student Responses to the Inclusion of Environmental Curricula
What can we gain from including environmental curricula in higher education? What kinds of commitments to change can be achieved? One environmental educator answers this question in an effort to address these outcomes in a large university lecture setting.
Presenter(s): Michael Ray Sawey, Texas Christian University
Strand: ●