THANK YOU....MERCI....GRACIAS
Thank you to our sponsors, without whom this conference would not be possible. Thanks to their generosity, NAAEE has kept conference rates the same for five years in a row, offered field experiences at $50 or less (except the overnights), and included more food events in the full registration cost. Please take two minutes to say thank you—Look for thank you stations around the convention center.

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Sponsor of Opening Ceremony

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North Carolina Sea Grant
The Upper Neuse Clean Water Initiative with funding from the City of Raleigh
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Welcome to NAAEE’s 40th Anniversary Conference ~

What a milestone we have reached in NAAEE’s history! From an idea conceived by a group of community college faculty to a tri-national association serving environmental educators worldwide, we have much to celebrate. This year you will find many occasions to rejoice about our past and plan for a robust future for our association and the profession of environmental education.

This conference features a host of opportunities to hone your skills, from field experiences and mobile workshops that showcase the beauty of North Carolina, to the hundreds of sessions where environmental educators share their expertise and accomplishments. Presentations encompass a variety of learning styles, from traditional PowerPoint delivery to hands-on activities, from small group discussions to one-on-one poster presentations. You’re sure to find dozens of nuggets—research findings, promising practices, new connections—that will help you shine professionally when you go back home.

The conference is a great opportunity to connect with old friends and expand your network. We’re trying some new technology this year, using Facebook and Twitter to help people connect, along with NAAEE’s own online community, EElinked. Please join these to share your most memorable conference moments.

NAAEE’s annual business meeting on Saturday at 8:45 a.m. is your chance to hear the latest on the inner workings of NAAEE and the implementation of the 2010-2015 Strategic Plan. I know you won’t want to miss that!

We look forward to hearing from you about how to make future conferences even better. Have your say by completing the evaluation form online at www.naaee.net/conference/evaluation.

Thanks for coming to Raleigh to help honor our roots and branch to the future as we celebrate this momentous milestone.

Warm regards,

Diane C. Cantrell
NAAEE President 2010-2011
Bienvenidos a la 40° Aniversario de la Conferencia de la NAAEE ~

Que hito hemos alcanzado en la historia de la NAAEE! Tenemos mucho que celebrar, de ser una idea concebida por un grupo de profesores en la universidad a una asociación tri-nacional apoyando a los educadores ambientales del mundo. A lo largo del año encontrara varias ocasiones para festejar tanto nuestro pasado como de los planes robustos para el futuro de nuestra asociación y de la profesión como educador ambiental.

En esta conferencia se albergan varias oportunidades para desarrollar sus habilidades, desde experiencias de campo y talleres móviles, que mostraron la belleza de Carolina del Norte, a cientos de conferencias donde los educadores ambientales pueden compartir sus experiencias y logros. Las presentaciones abarcan un variedad de estilos de aprendizaje, del tradicional PowerPoint a actividades participativas, de un pequeño grupo de discusión a presentaciones de poster uno a uno. Encontrara investigaciones, prácticas prometedoras, nuevas conexiones, que le permitirá crecer de manera profesional cuando regrese a casa.

La conferencia es una gran oportunidad para conectar con viejos amigos y expandir sus contactos. Estaremos probando nuevas tecnologías como es el Facebook y Twitter para conectar a más gente, así como la comunidad en línea de la NAAEE, en EElked. Por favor únase y compártanos su momento más memorable de la conferencia.

La reunión anual de negocios de la NAAEE se llevara acabo el Sábado a las 8:45 am es su oportunidad para conocer los trabajos internos de la NAAEE y las implementaciones del Plan Estratégico 2010-2015. Yo se que no quera perdérselo!

Esperamos escuchar de usted como mejorar las futuras conferencias- denos su opinión al completar la cuestionario en línea en www.naaee.net/conference/evaluation

Gracias por venir a la Raleigh ayudando a honrar nuestras raíces y ramas al futuro al celebrar este hito.

Saludos cordials,

Diane C. Cantrell
Presidenta de la NAAEE 2010-2011
Bienvenue à la Conférence 40 d’Anniversaire.

Nous avons atteint une étape importante dans l’histoire de NAAEE! D’une idée conçue par un groupe de faculté de centre universitaire à une association tri-national qui sert des éducateurs écologiques mondiaux, nous avons beaucoup à célébrer. Cette année vous trouverez beaucoup d’occasions pour réjouir de notre passé et du projet pour un futur robuste pour notre association et la profession d’éducation écologique.

Cette conférence présente un grand nombre d’occasions d’aiguiser vos compétences, des expériences de champ et des ateliers mobiles qui met en évidence la beauté de Caroline du Nord, aux centaines des séances où les éducateurs écologiques partagent leur expertise et leurs accomplissements. Les présentations entourent un assortiment des styles d’érudition, de la livraison de PowerPoint traditionnelle aux activités pratiques, des petites discussions de groupe à l’un-sur-une présentations d’affiche. Vous êtes sûr de trouver des douzaines de trésors—les conclusions de recherche, promettant des pratiques, les nouvelles connexions—qui vous aidera brille professionnellement quand vous allez à la maison.

La conférence est une grande occasion de connecter avec les vieux amis et augmenté votre réseau. Nous essayons quelque nouvelle technologie, utilisant cette année Facebook et Twitter pour aider les gens connectent, avec NAAEE la propre communauté en ligne, EElinked. S’il vous plaît joindre ceux-ci pour partager la plupart des moments mémorables de la conférence.

Les affaires annuelles de NAAEE qui rencontrent samedi à est 8:45 h votre opportunité pour entendre les dernières nouvelles sur les fonctionnements intérieurs de NAAEE et l’implémentation du 2010 - 2015 Projet Stratégiqute. Je sais que vous ne voudrez pas manquer cela.

Nous attendons d’entendre de vous la manière de faire les conférences futures même meilleur. Donnez-nous votre impressions en complètent la forme d’évaluation en ligne à www.naaee.net/conference/evaluation.

Merci pour venir à Raleigh pour aider honneur à nos racines et envisagez l’avenir en tant que nous célébrons cette étape importante.

Bien cordialment,

Diane C. Cantrell
Le Président de NAAEE 2010 - 2011
WELCOME to Raleigh, the thoroughly modern and sustainable City of Oaks! We are delighted that you are finally here for the first NAAEE conference ever held in North Carolina, one of the 13 original colonies.

Perhaps you’ve noticed the stunning oak tree Shimmer Wall on the side of the convention center. Along with NAAEE’s 40th Anniversary, the tree was the inspiration for our conference theme: *Rooted in Time, Branching to the Future*. It was a happy accident that the United Nations also designated 2011 as the Year of Forests, and we have “planted” forests and trees throughout the conference program. In wildlife circles, 2011 is the Year of the Turtle, so you will meet special turtles, like our talented tweeting Eastern Box Turtle, Tryon T Turtle in this program, and his real-life friend, Lennie, the sea turtle, at Wednesday’s Opening Ceremony!

With more than 400 sessions, keynotes, field experiences, and workshops focused on six strands, we hope this week is the highlight of your year for ongoing learning and professional development. We’ve followed the NAAEE Guidelines for Excellence by providing a balanced presentation of differing viewpoints that are factually accurate, but allow for open inquiry and investigation.

We’ve been thinking of you and planning for your visit since February 2008. Our 22 local committees have worked to enhance our theme by revisiting our heritage and branching to the future. Some of you will re-trace Rachel Carson’s steps along our coast, some will recognize historic auction items—with the highest bid, they could be yours!

Many of you will appreciate the integration of creative music, art, and ambiance into EE throughout the convention center. We’re testing new social media and technology applications during the conference—give us feedback on real-time surveys with your smartphone. Participate in service-learning, clearly key to the future of our profession, through our local project on Thursday afternoon. Early birds and night owls should join us for invigorating early morning tours, and splendid evening events (you can sleep next week)! Visit our *Welcome to NC* table in the lobby for details, and some fabulous bargains on souvenirs of your trip.

Our goal was to make this the most affordable and sustainable conference ever. In these economic times, we appreciate your commitment, and the commitment of our sponsors to the importance of environmental literacy for the future of our world. Enjoy your week here, learn astounding things, and renew your sense of wonder!

Lois Nixon  Rosanne W. Fortner  Co-Chair  Co-Chair

At Duke Energy, sustainability is about making decisions and taking actions that are good for today — and better for tomorrow.

It’s about being environmentally progressive, honest and ethical, and committed to making our communities better places to live.

Duke Energy is proud to sponsor the NAAEE 40th Annual Conference.
Dear Friends,

On behalf of the State of North Carolina, it is a pleasure to offer warm greetings to everyone attending the 40th Annual International Conference of the North American Association for Environmental Education (NAAEE): Rooted in Time: Branching to the Future. It is my privilege to welcome you to the City of Raleigh, where I hope you will take the opportunity to enjoy the many riches that make our Capital City a wonderful place to live.

Environmental education is critical to protecting our world and to promoting a healthier coexistence with nature. NAAEE programs help communities make environmentally sound choices that encourage sustainability. Thank you for working to strengthen communities across North America, and for also 40 years of dedication to protecting our environment through education.

Best wishes for a productive conference.

Sincerely,

Beverly Eaves Perdue

ABJ
WELCOME

On behalf of the members of the Raleigh City Council and the more than 404,000 residents of Raleigh, I would like to welcome the 40th Annual International Conference of the North American Association for Environmental Education (NAAEE) to Raleigh, North Carolina. We look forward to your visit and trust that you will enjoy the many benefits the conference offers. We also invite you to learn more about Raleigh’s tremendous strides in providing and enhancing the environmental quality of life for our residents and businesses.

Raleigh is a 21st Century City of Innovation focusing on environmental, cultural and economic sustainability. As one of the nation’s leading cities in the development and management of sustainability programs, our efforts have landed us several “firsts.” Raleigh is the first LED City in the world, and the first municipality in the world to pilot the Periscope program. We are one of the first three cities in the nation to participate in Rocky Mountain Institute’s Project Get Ready, an initiative to help U.S. cities prepare for plug-in vehicles. We are also the first municipality in the nation to partner with the Environmental Defense Fund on the Climate Corps program. Earlier this year, Raleigh was awarded the Siemens Most Sustainable Midsize City award by the US Chamber of Commerce and Siemens Corporation.

The Raleigh Convention Center, where the conference is being held, is one of only two municipal convention centers in the country to obtain LEED Silver certification. I encourage you to explore this wonderful facility and its sustainability features such as the Solar Photovoltaic array on top and the LED Cree Shimmer Wall adorning an outside wall. Additional downtown sustainability projects include the Farmer’s Market, the Transit Facility, the R-Line hybrid electric buses, and the Solar Electric Vehicle charging station just across the street from Raleigh Convention Center.

Raleigh is also known for its hometown hospitality and we invite you to enjoy all that our beautiful City has to offer. From arts and culture to shopping and dining, there is a lot to see and do here. I am proud of Raleigh and all of its fine attractions.

Best wishes,

Charles Meeker
Mayor
Your Vote Counts!

The NAAEE Web site is ready for you to place your vote for Board Member-at-Large (3 positions), Secretary, and President-Elect. Visit: http://www.naaee.net/vote and use your member username and password to vote.

If you did not bring a laptop, use a computer in the cyber café. Learn more about the candidates and their views at the registration area where a bulletin board will have information posted or go to NAAEE’s Web site: http://www.naaee.net/us/election.

Candidates will be wearing ribbons on their name badges, so introduce yourself, ask questions, learn what they are thinking about NAAEE’s future, and let them know what you think!

Stop by the NAAEE exhibit booth Thursday night during the opening Exhibit Fair to meet and talk with the candidates.

Come to the NAAEE Conference office in the Marriott Chancellor room downstairs off the main lobby to purchase:

- **Admission to events** like the Exhibit Fair dinner ($45) or Friday Night at the Museum ($20), if not included in your registration fee (see back of nametag for what’s included)

- **Admission to the Saturday night networking event** (not included in any registration) - $20

- **Water bottle with the NAAEE logo** - $12.00

- **Coffee mug with the NAAEE logo** - $14.00

- **Anvil’s T-shirt with the NAAEE logo and QR code** – the QR code provides access to some exclusive conference information not available elsewhere - $10.00

*Credit cards, cash and checks accepted. See the Conference Overview for office hours.*
The back of your nametag shows multiple categories of items you may or may not have purchased with your registration. If the category is blank, then you did not register for any items. If you have questions or feel an error has been made, please come to the NAAEE Office (Marriott Chancellor Room).

**Registration Type**
- **RS** = Research Symposium
- **Full** = Wednesday night – Saturday afternoon
- **Thursday** = Thursday, October 13 only
- **Friday** = Friday, October 14 only
- **Saturday** = Saturday, October 15 only

**Workshops**
If you have registered for a workshop, the number of the workshop listed on your receipt will be shown here. 
*For example: #8 = Affiliate Workshop*

**Field Experiences**
If you have registered for a field experience, the letter of the field experience listed on your receipt will be shown here. *For example: C = Sand Hills Fire Ecology*

**Event RSVPs**
If the any of the following appear on your tag, then you have confirmed your attendance at that event.  
- **T** = Tuesday Research Symposium dinner
- **W** = Wednesday night opening plenary and performance
- **Th(Plen)** = Thursday mid-day plenary
- **Th(ExH)** = Thursday night exhibit hall opening and dinner
- **F(AC)** = Friday Authors’ Corner and dessert buffet
- **F(SA)** = Friday night Stapp Live Auction and Reception
- **S(TE)** = Saturday Teacher breakfast
- **S(AL)** = Saturday awards luncheon

*If you would like to attend an event for which you did not RSVP, please come to the NAAEE office (Marriott Chancellor Room). Space is limited for these events.*

**Purchased Event Tickets**
If you purchased tickets for any of the meal events, it will be indicated in this area. No paper tickets will be distributed; name badges will be checked at the entrance to these events. *If you would like to purchase admission, please come to the NAAEE office (Marriott Chancellor Room). Space is limited for these events.*

**Saturday Closing Event Tickets**
- **Yes** = You pre-purchased admission to Saturday night’s Closing Networking Event. No paper tickets will be distributed.

*If you would like to purchase admission to this event, please come to the NAAEE office Marriott Chancellor Room.*

**Other**
- **Share Fair** = Your organization has a table reserved for Wednesday evening’s Share Fair
- **Bottle** = You pre-purchased an NAAEE water bottle
- **Mug** = You pre-purchased an NAAEE travel mug

*Pick up your bottle or mug at the NAAEE office (Marriott Chancellor Room).*
Wednesday, October 12, 6:00 PM – 10:20 PM

6:00 PM – 7:00 PM
40th Anniversary Celebration and History Museum
View four decades of artifacts and photos honoring our EE heroes who have taken us from a small group of community college professors to a membership association with a focus on three countries and members from all over the world. Old friends will be around to reminisce and newbies will find mentors to emulate. Sponsor: Duke Energy

7:10 PM – 9:00 PM
Opening Ceremony: A proud past; a promising future
Be inspired by a video that examines the roots of our past and the youthful energy that will be the future of the EE profession. President Diane Cantrell will introduce the new Executive Director. We’ll have door prizes and surprises!

Keynote by Jean Beasley
Capacity Building for Conservation: Sea Turtle Politics, Economics and Education
Jean Beasley is the founder and executive director of the Karen Beasley Sea Turtle Rescue and Rehabilitation Center. A retired teacher, Jean uses the subject matter of charismatic sea turtles to enthrall young and old with stories of how one person can make a difference. To raise funds for the food, medical supplies and facility operations, Jean has become a master of politics and economics. Animal Planet’s “2007 Hero of the Year” describes her work and introduces her “education assistant,” Lennie, the blind Kemp’s Ridley sea turtle.

9:10 PM – 10:20 PM
Film Screening Appalachia: A History of Mountains and People, Part Three http://appalachiafilm.org/

Thursday, October 13, 11:45 AM – 1:45 PM
Climate Change, Oceans and Society
With oceans occupying about 75% of the earth’s surface, their importance to the health of the planet and its plant, animal, and human inhabitants is unmistakable. NAAEE has assembled an international panel of climate change experts who focus on climate/ocean relationships. They will offer nuggets of their research and describe their perspective on the future challenges to and resilience of the world’s oceans in the face of climate change.

Panel moderator
Diane Stanitski, Climatologist and Program Manager for NOAA

Panelists
Dr. Isaac Aruz-Adeath is Strategic Development Center Director (Campus Ensenada) at the Center for Higher and Technical Education, CETYS-University (México). He is a Professor/Researcher in engineering and served as a Mexican Official Delegate at the World Summit in Sustainable Development (Johannesburg, 2002). He has been a member of the National Council for the Sustainable Development of Mexico and president of the Regional Council for the Sustainable Development of North-West Mexican Region (Ministry of Environment). He will address short term regional climatic change impacts/implications on oceans, coast and society using examples from Mexico.

Dr. Danny Harvey, University of Toronto, Dept. of Geography & Planning is a member of the Intergovernmental Panel on Climate Change (IPCC) and has been appointed as Lead Author for Working Group III of the upcoming IPCC Fifth Assessment Report, to be released in April 2014. He will focus on how climate change has impacted oceans through geologic time.

Dr. Carrie Thomas is an Associate Research Professor in Marine, Earth and Atmospheric Sciences, and Director of Undergraduate Programs in that department at North Carolina State University in Raleigh. Her Antarctic research team is examining how polar organisms are responding to the changes and measuring rates of microbial activity and carbon recycling in the sediment to glimpse the future impact of global warming. She will address changes happening now over periods of years to decades.

Thursday, October 13, 5:00 PM – 6:30 PM
Speaker to be announced.

Saturday, October 15, 12:45 PM – 1:30 PM
Keynote by Julie Chavez Rodriquez, Youth in the Great Outdoors, U.S. Department of the Interior
Creating Laboratories for Learning in America’s Great Outdoors
The Department of the Interior is uniquely positioned to help millions of young Americans reconnect with our natural and cultural heritage, put thousands of young people to work in the great outdoors, and inspire the next generation of conservation and community leaders. Through the President’s America’s Great Outdoors Initiative, the department is working to make the outdoors relevant to today’s young people: make it inviting, exciting, and fun; ensure that all young people have access to outdoor places that are safe, clean, and close to home; empower and enable youth to work and engage in service/service-learning in the outdoors; and build upon a base of environmental and outdoor education, both formal and informal.
Great appreciation goes to these volunteers, their employers, and families for the time devoted to making this 40th Anniversary conference an event to remember!

Conference Co-Chairs
Lois Nixon
Rosanne Fortner

Thanks so much to everyone who took time to review submissions. If you would like to volunteer to review the 2012 proposals, please visit the NAAEE Web site in November to log in and register.

Conference Logistics Committees

Ambiance
Sheila Jones, Co-Chair
D’Nise Hefner, Co-Chair
Kay Bullard
Carolyn Gaff
Bill Hefner
Jackie Trickel

Affiliate Welcome
Brenda Metcalf, Co-Chair
Deborah Miller, Co-Chair

Artists’ Area
Becca Kirlin

Arts and Culture
Diane Silver

Auction
Tracey Ritchie, Co-Chair
Mary Jane Henderson, Co-Chair

Authors’ Corner and Bookstore
Marti Kane

Careers & Young Professionals
Beth Cranford

Diversity
Himanshu Gopalan

Exhibits
Sue Bumpous
Sandra Weitzel

Field Experiences
Tom Shepherd, Co-Chair
Laura White, Co-Chair

Field Experience Leaders:
Elizabeth Burke
Charlotte Clark
Rebecca Cope
Mike Dunn
Sheila Jones
Deborah Miller
Grant Parkins
Deborah Robertson
Tom Shepherd
Charles Yelton

Fundraising
Lois Nixon

Host State Student Scholarship
Julie Ernst, Co-Chair
Dee Rudolph, Co-Chair

Local K-12 Teacher Outreach
Iris Senzig, Co-Chair
Randy Senzig, Co-Chair
Lisa Tolley, Co-Chair
Sarah Yelton, Co-Chair

Opening Ceremony
Joe Baust
Sue Bumpous
Lois Nixon

Publicity and Attendance Outreach
Sue Bumpous
Elizabeth Burke

Service-Learning Project
Frank McKay

Southeast EE Alliance Recruitment
Ed Falco
John Guyton

Sustainability
Mickey Jo Sorrell

Technology
Samantha Jackson
Mary Wiggins

Volunteers
Renee Strnad, Co-Chair
Mir Youngquist-Thurow, Co-Chair

Welcome to North Carolina
Shelby Gull Laird, Chair
Jess Craigie
Sarah Fuller-Allman
Sean Higgins
Sharon Malone
Lois Nixon
Reama Pearson

The North Carolina host committee, Environmental Educators of North Carolina, and NAAEE thank the Raleigh Convention Center and the Greater Raleigh Convention and Visitors Bureau staff for invaluable support and resources in helping to host a successful conference.
Members of professional associations like NAAEE get the most from their membership by being involved in actively supporting the work of the organization, not just passively reading news postings or waiting to be asked to do something. What do YOU want NAAEE to be? How could the association be more supportive of your work? Make your voice heard by serving on a Committee, Advisory Board, Task Force or Special Interest Group (aka "the CATS"). Several of these are meeting at the conference.

**Wednesday, October 12, 5:00 PM – 6:00 PM**

**Research Commission (SIG)**
Marriott – STATEABCD
Members discuss the 2011 Research Symposium and plan for the 2012 Research Symposium, supporting ongoing development of national/thematic EE research agendas, advancing the summarizing of research, and other topics.

**Friday, October 14, 7:30 AM - 8:45 AM**

**Arts and EE Commission (SIG)**
Room 307
Music, poetry, literature, crafts, visual arts …. Blending arts and culture with EE harnesses the passions that help motivate understanding, action and change. Join us in supporting this synergistic approach to environmental education.

**Sustainability Education Commission (SIG)**
ROOM 306C
Our members seek fun, creative and action-oriented folks to engage diverse partners in growing the understanding and efforts of sustainability education, communicating more effectively within the SESIG, and deepening the integration of sustainability education into the annual conference.

**Friday, October 14, 11:45 AM - 1:45 PM**

**EE Advocacy Committee**
Room 306B
Reconnect face-to-face with other amazing leaders in the NAAEE Action Network! We’ll recap and celebrate successes of 2011 and strategize for our 2012 legislative agenda. Come learn about the incredible accomplishments of this committee and how you can get involved.

**Urban EE (proposed SIG)**
Room 305B
Come join the conversation about increasing access to environmental education in urban communities. With growing urban populations, join this new SIG focused on empowering environmental educators to provide relevant, culturally responsive programs and activities.

**Friday, October 14, 12:30 PM - 1:30 PM**

**Diversity Committee**
Room 202
Discussion of the Tuesday diversity training for Board, staff and committee chairs and other methods for ensuring NAAEE meets its multi-cultural goals.

**Saturday, October 15, 7:30 AM - 8:30 AM**

**Accreditation Board**
Room 203
The Accreditation Board and Accreditation Review Panel will discuss anticipated submissions from states for accreditation of their EE certification programs. By invitation for members only.

**Saturday, October 15, 3:45 PM - 4:30 PM**

**Service-Learning Commission (SIG)**
Room 205
The SIG focuses on exploring and supporting service-learning as a strategy for accomplishing the best practices of environmental education.

**Finance Committee**
Room 204
By invitation for committee members only.

**Nominations and Board Development Committee**
Room 206
By invitation for committee members only.
Science Café & Marketplace
RCC Mezzanine
Meet scientists and young professionals in the Science Café. Each morning, students will meet with EE professionals to learn about the paths they’ve taken to success in the EE field. In the afternoon, there will be one-on-one time with corporate leaders, professors and NAAEE founders and mentors so students can discuss how to direct their careers to achieve their professional goals. The “Marketplace” has baskets of local fruit for sale.

The Marketplace is managed by Matthew Cronheim, a graduate student and young urban farmer who will discuss urban sustainable agriculture:

URBAN AGRARIANISM: HOW TO FARM THE CITY, Friday, October 14, 4:15 PM – 4:55 PM, RCC 201.

SPECIAL SESSION
Thursday, October 13
CAREER TIPS FOR CHANGING THE WORLD: WHERE DO I START?
2:00 PM – 2:40 PM, RCC 306B
You’re never too young to “be the change” you want to see happen. Three young people making a difference talk about what motivated them to get started and what they’ve accomplished…so far. Their stories will move you to action.

- Elizabeth Koenig, Program Coordinator, National Youth Leadership Council
- Emanuel Nwokocham, EocAmbassador for EPA, Voorhees College, South Carolina
- Billy Parish, Co-Founder & President, Solar Mosaic

Sessions listed in the daily program pages are tagged with nine threads that cross the strands. The list contains 37 sessions specifically tailored to young professionals just beginning their EE career. With such a wide variety of educational options, there’s something for everyone. Exercise your mind, actively engage, and soar to new heights in your career with everything you’ll learn at the NAAEE 40th Anniversary conference!

Sponsored by the US Fish and Wildlife Service
U.S. Fish and Wildlife Service

The federal agency whose mission is working with others to conserve, protect and enhance fish, wildlife, plants and their habitats for the continuing benefit of the American people

You Can Make a Difference!

CAREER BENEFITS
- Competitive Pay
- Career Advancement
- Challenging Work
- Work Outdoors or Indoors
- Job Sites All Over the USA
- Health Benefits Program
- Retirement Plan

CAREER OPPORTUNITIES
- Biologist
- Park Ranger
- Forester
- Administrative Officer
- Outdoor Recreation Planner
- Refuge Manager
- Law Enforcement Officer
- Wildland Firefighter
- GIS Specialist
- Civil Engineer
- IT Specialist
- Wildlife Inspector
- Training Specialist
- Environmental Educator
- Communications Specialist
- Web Designer
- and over 50 others!

FIND OUT MORE AT:
- http://www.youthbg.gov
- http://www.fws.gov
- http://www.usajobs.gov
You Can Make a Difference!

Visit the sessions below to learn how the U.S. Fish and Wildlife Service and its partners are engaging, educating and employing Youth in the Great Outdoors.

Robert Bateman’s “Get to Know Program” – Kids, Art & Nature
Thu, Oct 13, 2:00pm - 2:40pm
Where: 201
Learn more about Robert Bateman’s “Get to Know Your Wild Neighbors” outreach and education program that uses expressive arts as a way to connect children with nature.

Film: Green Fire - Aldo Leopold and a Land Ethic for Our Time
Thu, Oct 13, 9:30pm - 10:45pm
Where: 305B
Discover how Aldo Leopold shaped and influenced the modern environmental movement.

Myriad of Trout-tastic EE Ideas!
Fri, Oct 14, 9:00am - 9:40am
Where: 205
Discover Wolf Creek National Fish Hatchery’s engaging environmental programming.

EPA: Growing the Next Generation’s Green Leaders, Stewards & Professionals
Fri, Oct 14, 9:00am - 9:40am
Where: 304
Learn about the Environmental Protection Agency’s efforts to develop and recruit the new Green Generation.

Teens, Social Media, and the Environment: Making an Impact
Time: Fri, Oct 14, 4:15pm - 4:55pm
Where: 301B
U.S. Fish and Wildlife Service and the National Environmental Education Foundation’s Planet Connect are partnering to engage high school students in opportunities focused on wildlife conservation and natural resources. Learn how technology is introducing youth to the great outdoors!

Inspiring Youth to Pursue Careers in Conservation
Sat, Oct 15, 9:30am - 10:50am
Where: Ballroom A
Please join us for a hands-on demonstration of a Career Awareness Toolkit designed by the National Conservation Training Center to help you share your passion and inspire a career in conservation.

Department of the Interior’s Youth in the Great Outdoors Initiative
Sat, Oct 15, 9:30am - 10:10am
Where: 306A
Learn how the Department of the Interior is encouraging youth to explore the great outdoors and conservation careers.

Keynote Speaker: Julie Rodriguez, Director, Office of Youth in the Great Outdoors
Sat, Oct 15, 11:30am - 1:30pm
Keynote Presentation, Awards Luncheon

Learn more about U.S. Fish and Wildlife Service’s efforts at Exhibit Booth # 300 & 302!
Please use the online program accessible at http://convention2.allacademic.com/one/naaee/naaee11/. The online program allows you to view the presenter’s full description, choose to view presentations in a specific strand, or in a specific thread, or on a particular day, or by a certain presentation type. Some presentation times overlap with others. Using the online schedule to search by day helps you see this better.

The daily schedule in this printed program is arranged chronologically by day and time, then alphabetical by presentation title. Most sessions do NOT repeat, but the strands will help you find a presentation on a similar topic if you miss one you wanted to see.

Proposal Review Process
NAAEE opens its Call for Presentations about a year prior to the conference (the 2012 Call for Presentations is expected to open in November 2011 and will close on February 1, 2012). Each proposal is peer reviewed by three people who are provided uniform review criteria. Strand leaders work diligently to organize the proposals into panels or symposia, offer alternate presentation formats, and organize the overall look and feel of the strand. This careful process takes almost five months and ensures quality of presentations and a balance of views that meets NAAEE’s Guidelines for Excellence in Environmental Education. This year, NAAEE received more than 500 proposals reflecting a wide range of experiences, perspectives and research.

The Six Conference Strands
The complete strand descriptions can be found at http://www.naee.net/sites/default/files/conference/call-for-presentations/2011_Strands_and_Threads.pdf

Climate Change Education
Strand Leader: Robert McAfee, OMNI Center for Peace, Justice & Ecology
Even as evidence becomes more unequivocal that the planet’s climate is changing and human activities are a major driver, some scientists remain unconvinced. People need to understand the causes and effects of climate change, recognize accurate science information about the issue, and accept their personal responsibility for the issue and its resolution.

Conservation Education
Strand Leader: Richard Jurin, University of Northern Colorado
Sessions are built around a broadly inclusive definition of conservation that includes preservation of biodiversity, natural resource management, watershed restoration, land conservation and preservation, and related fields.

EE Goes to School
Strand Leader: Sarah Yelton
Pending national legislation could revolutionize the way states approach environmental education in the classroom. It is a critical time for school reform efforts. Sessions provide the opportunity to examine best practices for integrating environmental education into the PreK-12 educational system at the local, state and federal levels and improving environmental literacy across the nation.

Environmental Issues in EE
Strand Leaders: Trudi Volk and Harold Hungerford, Center for Instruction, Staff Development
To many environmental educators, environmental issues are the heart and soul of the discipline—the intersection between environmental problems and potential solutions. Sessions explore ways to enable individuals to determine the parameters of an issue, to articulate their beliefs and values, to search for information to help make sound and responsible decisions, and then to decide on appropriate actions.

Environmental Justice
Strand Leader: Ruby Marie Estrada, New Mexico State University
Sessions focus on the dynamics of environmental justice, also known as ecological democracy. Environmental equity/equality and toxic production/distribution practices negatively affecting Earth’s airways, waterways and foodways have become concerns and challenges for all populations. Environmental burdens affect sectors of societies differently at local, regional and systemic levels.

Network and Leadership Development
Strand Leader: Nan Buckardt, Lake County Forest Preserves
This strand is for those interested in examining strategic approaches to building the capacity of organizations, providing effective leadership both within and outside the EE community, and promoting advocacy for environmental education at local, state/provincial and national levels.
Presentation Formats

**Film Presentation** (Times vary)
Filmmakers will screen programs in Room 305B; post-film discussion will take place in a different room, with volunteers available to show you where to go.

**Hands-on Presentation** (1 hour and 20 minutes)
Hands-on sessions deal with a single topic or program, in an interactive setting where participants can have an open discussion with an experienced expert. Not intended as a lecture.

**Poster**
Posters are set up in the Exhibit Hall from Thursday afternoon through Friday afternoon. Presenters are at their posters during the exhibit hall grand opening on Thursday evening, October 13, to answer questions.

**Roundtable Discussion** (1 hour and 20 minutes)
Roundtable discussions are informal presentations conducted in a community room, with multiple discussions happening at the same time; participants may choose to move from one table to another throughout the time period.

**Symposium** (1 hour and 20 minutes)
Symposia are panels with a minimum of 3 speakers presenting different perspectives on a common topic.

**Traditional Presentation**
(two lengths: 40-minute or 20-minute)
These sessions are in a room by themselves, focus on a topic or program and are followed by a short time for questions and answers.

**Key to Threads and Thread Descriptions**

**AR**  Arts: Sessions will showcase how the arts can celebrate the environment; deepen an understanding and appreciation of the environment; mitigate mankind’s impact on the environment; and promote community awareness and involvement in environmental issues.

**BI**  Business and Industry: Sessions for those interested in the roles of business and industry in EE and social responsibility.

**YP**  Young Professionals: Sessions of special interest to current students of EE programs, or to recent graduates seeking careers in EE or resources to focus their job search.

**DV**  Diversity: Sessions for those interested in enhancing/promoting cultural diversity in environmental education, in all of its forms.

**IP**  Innovative Programs & Practices: Sessions with program ideas or partnerships that are new to your geographic area, or to your target audience, that could be replicated successfully.

**IT**  International: Sessions include content relevant to multicultural, cross-border, inter-regional, national and international presenters, audiences and participants.

**NCLI**  No Child Left Inside: Sessions relate to initiatives to include environmental education in legislation, funding and practice.

**RE**  Research and Evaluation: Presentations that involve searching for information in a scientific and/or systematic manner, reporting results, or assessing or evaluating EE programs, practices, or activities.

**SE**  Sustainability Education: Presentations deal with education for balancing environmental, economic and community/cultural needs, with a focus on long-term solutions.

**Key to Events Listings**

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DiscoverTheForest.org -
- The Book of Stuff to do Outside
- Finding My Forest Curriculum at www.findingmyforest.org
- Locate nature sites near you

- Online games, contests, and more!
The USDA Forest Service’s multiple programs including the Conservation Education program (CE) strive to provide today’s youth with a meaningful outdoor experience and a sense of wonder. With CE’s help, youth across the country participate in hands on learning experiences and strengthened their critical thinking skills. Educational tools and programs such as National Inquirer, Green Schools, Forest for Every Classroom, Discover the Forest campaign, a network of Children’s Forests and CE”s Climate Change Education have allowed adults and children alike to connect with nature and construct knowledge about forests, grasslands, and other natural resources to assist them to make well informed environmental decisions. Youth today are the key to the future conservation of our natural resources. It is the mission of the Conservation Education program and its partners to ensure that students are able to meet the future environmental and health challenges of our nation.

Join the Forest Service and Participate at...

**Oct. 13, Thursday:**
2:00pm-2:40pm: Robert Bateman’s Get To Know Program – Kids, Art & Nature -- RCC/201
4:00pm-4:40pm: Eugene: Evaluating Your EE Program is Fast, Fun and Free!!! -- RCC/302C

**Oct. 14, Friday:**
9:30am–10:50am: Children’s Forest – Connecting Youth to the Outdoors – RCC/ Ballroom A
4:15pm–4:55pm: “There’s Magic at the Cradle”: Innovative Approaches to Forest Stewardship -- RCC/206

**Oct 15, Saturday:**
9:30am–10:50am: Distance Learning Adventures—Bringing Conservation to Life in Classrooms -- RCC/ Ballroom A

Also check out our Exhibit in the Exhibit Hall

For more information, visit us at www.fs.usda.gov/conservationeducation
MONDAY – WEDNESDAY AT A GLANCE

Monday, October 10

4:00 PM  Overnight Field Experience Departs – Water Quality Monitoring and Marine Ecosystems
5:00 PM – 6:30 PM  Research Symposium Registration Desk Open – Marriott outside Chancellor Room
5:00 PM – 6:30 PM  NAAEE Staff Office Open – Marriott Chancellor Room

Tuesday, October 11

9:00 AM – 12:00 PM  NAAEE Board Meeting – Marriott Congressional A
9:00 AM – 2:30 PM  Research Symposium – Marriott various rooms, see separate program
12:00 PM  Meet in Marriott lobby for Seeds from the Source overnight workshop
1:00 PM – 5:00 PM  NAAEE Board Meeting – Marriott Governor’s Board Room
2:30 PM – 10:00 PM  Research Symposium Field Experiences and Dinner – Off site in Durham
5:00 PM – 6:30 PM  NAAEE Staff Office Open – Marriott Chancellor Room
5:00 PM – 6:30 PM  Conference Registration Open – Marriott Chancellor Room
7:00 PM – 9:00 PM  Affiliate Dinner (dutch treat)

Wednesday, October 12

9:00 AM – 4:00 PM  Field Experiences – Gather in lobby of Convention Center, Salisbury Street Entrance at 8:45 AM
8:00 AM – 7:00 PM  NAAEE Office Open – Marriott Chancellor Room
8:00 AM – 7:00 PM  Conference Registration Desk Open – RCC Grand Lobby
7:00 AM – 12:00 PM  Coffee for sale for Wednesday Workshop Participants – RCC Grand Lobby
8:00 AM – 4:30 PM  Wednesday Workshops (see list)
9:00 AM – 4:00 PM  Research Symposium – Marriott various rooms, see separate program
12:00 PM – 1:30 PM  Lunch for All-Day Workshop and Research Symposium Participants – RCC 302ABC
5:00 PM – 6:00 PM  Share Fair – Outside RCC Ballroom B&c
5:00 PM – 6:00 PM  Guidelines Trainers’ Bureau meeting (invitation only) – RCC 305B
5:00 PM – 6:00 PM  Research Special Interest Group meeting – Marriott State ABCD
5:15 PM – 5:45 PM  New Member Meet-up and Mentor Match – RCC 304
6:00 PM – 7:00 PM  NAAEE 40th Anniversary Celebration and “History Museum” with snacks and cash bar – RCC Ballroom B&c
7:10 PM – 9:00 PM  Opening Ceremony Keynote by Jean Beasley – RCC Ballroom B&c
9:10 PM – 10:20 PM  Film: Appalachia: A History of Mountains and People – RCC Ballroom B&c
10:30 PM – 11:55 PM  Late Night Sing Along – Marriott Congressional A

TURTLE TIP: Keep your eyes peeled for wonderful décor made possible by hundreds of volunteers through the leadership of the Ambiance Committee. Look up, down, and all around for “eco-art” projects: child-crafted flocks of papier-mâché birds, EE-in-action photo logs, re-purposed 2010 Census banners, cereal box luminarias, and sculptured pumpkins that are simply gourd-geous!
**Wednesday Workshops**

Field Experience and Workshop fees are not included with conference registration – you must register and pay for these. If you did not pre-register, and space is available, it may be possible to pay on site at the NAAEE Office (Marriott Chancellor Room).

**On-Site**

8:30 AM – 4:30 PM
- Affiliate Workshop – RCC 304
- Climate Change Education: Science, Solutions, Inspiration and Empowerment – RCC 305A
- Field Investigations and Other Fish and Wildlife Conservation Education Tools – RCC 305B
- When Environmental Education Meets Action – Service-Learning, A Vehicle for Change – RCC 306A

8:30 AM – 12:00 PM
- Collaboration between the Corporate Sector and EE: The Next Steps – RCC 301A
- Early Childhood Environmental Education – Designing & Implementing Programs that Work – RCC 301B
- The Science of the Sun and Its Connection to Earth – RCC 306B
- Understanding Audiences, Inspiring Action – RCC 307

1:00 PM – 4:30 PM
- Designing and Effectively Using Outdoor Classrooms in Diverse Settings – RCC 301A
- Introduction to Education for Sustainability – RCC 301B
- Using Film to Teach Climate Science, Solutions and Empower Youth – RCC 303

**Off-Site**

8:30 AM – 4:30 PM
- Gather at Salisbury Street entrance of RCC at 8:15 AM
- Environmental Justice and Sustainable Action Tour of Raleigh
- Playwork: Learning through Play in Nonformal Conservation Education
- Transforming School Grounds into Teaching Tools

1:00 PM – 4:00 PM
- Gather at Salisbury Street entrance of RCC at 12:30 PM
- Horticultural Mythbusting

**Wednesday Field Experiences**

Vans depart from the Salisbury Street Entrance at 9:00 AM; purchase tickets from NAAEE Conference office in Marriott Chancellor Room if space is still available.

- Sandhills Fire Ecology
- Something Old, New, Borrowed and Blue
- Prairie Ridge Ecostation – Educating with Research
- Building Healthy Communities through Educated Choices
- Conserving Native Species and Natural Communities
- Community Projects and Partnerships for Conservation Education and Sustainable Agriculture

**NEW FIELD EXPERIENCE ADDED:** 9:00 AM – 1:00 PM

Sign up and pay the reasonable $25 fee at the Welcome to NC Table in the RCC lobby! Raleigh Farmers’ Market Tour with local food columnist and cookbook author, Debbie Moose. Shop at the market with Debbie and then join her at the Wake Soil and Water Conservation kitchen to make lunch. Lessons from Food, Land and People curriculum included!

**Share Fair Participants** as of the program deadline (see program addendum for more) – 5:00 PM – 6:00 PM outside Ballroom B&C

Artchange Inc/New Day Films, Green Teacher, Hawaii Environmental Education Alliance, NC Division of Environmental Assistance and Outreach, Will Steger Foundation and more!

**New Member Meet-up and Mentor Match**

5:15 PM – 5:45 PM - RCC 304

If you’re new to NAAEE or just experiencing the conference for the first time, come find a mentor to help navigate the many layers of the experience.

**Film Screening** – 9:10 PM – 10:20 PM, RCC Ballroom B&C

*Appalachia: A History of Mountains and People, Part Three*

**Late Night Sing Along** – 10:30 – 11:55 PM, Marriott Cong. A

Bring your instruments, your songbooks, your voices, your enthusiasm for this very casual self-directed jam session—a long-time NAAEE tradition. There’s no “leader” here - whoever shows up to sing is in charge.

**40TH ANNIVERSARY CELEBRATION & HISTORY MUSEUM** – 6:00 PM – 7:00 PM, RCC Ballroom B&C

Enjoy appetizers and a cash bar while viewing decades of artifacts and photos honoring our EE heroes who have led NAAEE’s development. Old friends will reminisce, and newbies will find mentors to emulate. Sponsored by Duke Energy. *Music by students from the Carnage Middle School Orchestra (Raleigh, NC) directed by Mr. Winifred Marecheau.***

**NAAEE Opening Ceremony: A proud past; a promising future** – 7:10 PM – 8:30 PM, RCC Ballroom B&C

Be inspired by a video that examines the roots of our past and the youthful energy that will be the future of the EE profession. NAAEE leaders will sign a Memorandum of Understanding with the Japanese Society for EE. Be on time for door prizes and surprises! Special appreciation goes to the Albert I. Pierce Foundation, Murray State University Center for Environmental Education, and Mo’Belly Productions for the visual programming that highlights our heritage.
Real Learning for the Real World

A graduate degree in environmental education from Antioch University New England (AUNE) opens doors not only to an interesting variety of job settings, but also to higher level positions and rates of pay.

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At AUNE, you learn environmental interpretation_and rates of pay.

Because the world needs you now.
THURSDAY AT A GLANCE

7:00 AM – 8:00 AM  Downtown Walking Tours – Meet in the RCC Grand Lobby
7:00 AM – 8:00 AM  Morning Yoga – Marriott University AB
7:30 AM – 9:00 AM  Moore Square Magnet Middle School Garden Tour
7:30 AM – 8:30 AM  CATS Chairs Breakfast – RCC Ballroom A
7:30 AM – 8:30 AM  Continental Breakfast – RCC Ballroom B&C
8:00 AM – 11:30 AM  NAAEE Staff Office Open – Marriott Chancellor Room
8:00 AM – 2:00 PM  Marketplace – RCC Mezzanine
8:00 AM – 5:00 PM  Welcome to North Carolina Table – RCC Grand Lobby
8:00 AM – 2:00 PM  EE Standards for Pre-Service Education Workshop – Marriott Congressional A
8:00 AM – 7:00 PM  Conference Registration Desk Open – RCC Grand Lobby
8:00 AM – 5:00 PM  Welcome to North Carolina Table – RCC Grand Lobby
8:00 AM – 9:15 AM  Exploris Middle School tour
8:30 AM – 11:20 AM  Concurrent Sessions
9:00 AM – 5:00 PM  Science Café – RCC Mezzanine
11:45 AM – 1:45 PM  Keynote Presentation: Climate Change, Oceans and Society – RCC Ballroom B&C
1:30 PM – 5:00 PM  NAAEE Staff Office Open – Marriott Chancellor Room
2:00 PM – 3:30 PM  Service-Learning Student Presentations – Walnut Creek Wetlands Center, meet in RCC Grand Lobby
2:00 PM – 4:50 PM  Concurrent Sessions
3:30 PM – 8:30 PM  Exhibit Fair Opens – RCC Exhibit Hall A
3:30 PM – 5:00 PM  Service-Learning Student Presentations – Walnut Creek Wetlands Center
5:00 PM – 6:30 PM  Keynote speaker to be announced – RCC Ballroom B&C
6:30 PM – 8:30 PM  Exhibit Fair Grand Opening and Buffet Dinner – RCC Exhibit Hall A
8:30 PM – 10:30 PM  Celebrate Earth with the Arts – RCC Mezzanine
9:00 PM – 9:30 PM  Film Presentation – Young Voices on Climate Change – RCC 305B
9:00 PM – 10:30 PM  Multi-Cultural Gathering – RCC 304
9:30 PM – 10:45 PM  Film Presentation – Green Fire: Aldo Leopold and a Land Ethic for Our Time – RCC 305B
10:30 PM – 11:55 PM  Late Night Sing Along – Marriott Congressional A

New titles from Fulcrum Publishing

Award-winning author Julie Dunlap brings the first American landscape architect, Frederick Law Olmsted, to life in this memorable biography.

Parks for the People
Julie Dunlap
Juvenile Nonfiction | Grades 4–8
PB | B&W photographs | US $12.95
978-1-55591-470-7

Award-winning author Marybeth Lorbiecki brings one of the most well-known conservationists in American history, Aldo Leopold, to life in this vivid new biography.

Things Natural, Wild, and Free
Marybeth Lorbiecki
Juvenile Nonfiction | Grades 4–8
PB | B&W photographs | US $12.95
978-1-55591-474-5

Please visit www.fulcrumbooks.com. Use discount code NAAEE until November 30, 2011, to receive a discount of 40% on these and other Fulcrum titles.
THURSDAY HIGHLIGHTS

Downtown Walking Tours
7:00 AM – 8:00 AM – Meet in the RCC Grand Lobby

Energy Innovations and our LED City
The assistant city manager showcases the city’s energy innovations—an off-the-grid solar powered parking lot, city plaza light sensor decorative lighting, downtown charging stations for electric vehicles, and stoplights and streetlights of LEDs. The parking garage is a highlight!

Urban Birding
What will you spot? Pigeons, raptors and swifts and ???

Morning Yoga
7:00 AM – 8:00 AM, Marriott University AB
Stretch, breathe and relax with early morning yoga led by environmental educator Angela Hawkins.

Moore Square Museum’s Magnet Middle School Garden Tour
7:30 AM – Meet at Registration Desk in RCC Grand Lobby.
Walk four blocks to the school to join students for a tour and maybe taste-test their school garden in a corner of their urban campus. Learn about the community partnerships they “planted” to make the award-winning garden a reality.

Continental Breakfast
7:30 AM – 8:30 AM, RCC Ballroom B&C
Make your own yogurt parfait with local seasonal fruits, yogurt and granola (granola courtesy of Nature’s Path). Be sustainable by buying a hand-thrown Seagrove pottery bowl at the Welcome to NC table to reuse for your breakfasts, a unique souvenir.

Exploris Middle School - Education for a Sustainable World
8:00 AM – Meet at Registration Desk in RCC Grand Lobby. Travel by free bus (R-line) to the school for a tour from 8:30 AM – 9:15 AM. Return to RCC by 9:30 AM. EMS is a model of progressive, student-centered learning. Come see interdisciplinary, project-based learning in action. http://www.explorismiddleschool.org

Science Café for Young Professionals
9:00 AM – 5:00 PM, RCC Mezzanine
Meet EE experts and other young environmental educators. In the morning, learn practical skills for furthering your career. In the afternoon, corporate and university representatives help you explore ways to achieve professional goals. Check out signs at the café for the full schedule.

Geocaching Course
Joseph Kerski of the National Council for Geographic Education is running a geocaching course – a Smartphone and/or GPS receiver is optional but would add to your learning experience. Come by the café on Thursday morning for details. Prizes will be awarded on Saturday at lunch.

Keynote Presentation: Climate Change, Oceans and Society
11:45 AM - 1:45 PM Ballroom B&C
An international panel of climate change experts will focus on climate/ocean relationships. (Details on page xx). Outside the ballroom, concession stands will offer lunch for sale from Farmhand Foods, North Carolina farmers who raise animals humanely, without antibiotics or added hormones. http://www.farmhand-foods.com/.

Special Session for Young Professionals – 2:00 PM, RCC 306B
CAREER TIPS FOR CHANGING THE WORLD: WHERE DO I START?
You’re never too young to “be the change” you want to see happen. Three young people making a difference talk about what motivated them to get started and what they’ve accomplished…so far. Session sponsored by US Fish and Wildlife Service.

Hands-On Service-Learning
Students leading the way with community partners
2:00 PM – 3:30 PM and 3:30 PM – 5:00 PM
Meet in the RCC Grand Lobby at 1:30 (for the 2:00 PM session) or 3:00 (for the 3:30 PM session). Travel by city bus to the Walnut Creek Wetlands Center. Meet the students carrying out the Neuse Riverkeeper Foundation Environmental Challenge, the 2011 NAAEE Conference service-learning program.

Exhibit Fair Grand Opening
6:30 PM – 8:30 PM, RCC Exhibit Hall A
Dinner, exhibitor list, poster presentations, Affiliate welcome, entertainment and more. See pages XX for all the details!

Celebrate Earth with the Arts
8:30 PM – 10:30 PM, RCC Mezzanine
Music, crafts, painting, stories, songs, etc. – the Arts inspire learners and promote excellence in EE. Join local singers Jewelsong, renowned storyteller Doug Elliott, and other talented participants.

Film Screening – 9:00 PM – 9:30 PM, RCC 305B
Produced by Lynne Cherry (The Great Kapok Tree), the Young Voices on Climate Change short films present stories of youth, 11-17, finding solutions to the global warming crisis, reducing home and community CO2 emissions and saving schools lots of money.

Multi-Cultural Gathering – 9:00 PM – 10:30 PM, RCC 304
Celebrate NAAEE’s diversity during this interactive event, with icebreakers, drumming on floor drums, and a time to mix and mingle. Everyone is invited, so come and have some fun!

Film Screening – 9:30 PM – 10:45 PM RCC 305B
Green Fire, the first full-length, HD documentary film ever made about legendary environmentalist Aldo Leopold, highlights Leopold’s extraordinary career, tracing how he shaped and influenced the modern environmental movement. http://www.greenfiremovie.com/
The Young Voices on Climate Change short films document success stories of youth reducing their CO₂ emissions. Messages of gloom and doom elicit fear, hopelessness and denial but these empowering films inspire change.

The films were produced and directed by Lynne Cherry, author/illustrator of The Great Kapok Tree and How We Know What We Know About Our Changing Climate: Scientists and Kids Explore Global Warming. Audubon, Earth Force, GLOBE, and other groups have linked to the YVCC website:

YoungVoicesonClimateChange.com

Film Screenings and Lynne Cherry NAAEE Conference Appearances, Oct. 2011 at the Raleigh Convention Center (RCC)

- Wed., Oct. 12, 8:30 am-4:30 pm - Climate Literacy Network Full Day Workshop: Climate Change Education: Science, Solutions, Inspiration and Empowerment
- Wed., Oct. 12, 1:00-4:30 1/2 Day Workshop - Using Film to Teach Climate Science, Solutions and Empower Youth
- Thurs., Oct. 13, 9-9:30pm - Young Voices on Climate Change films: Empowering, Inspiring Success Stories, RCC 305B
- Fri., Oct. 14, Author’s Corner, Lynne Cherry Book-signing from 11:00 – 2:00
- Fri., Oct. 14, 2:15-2:55pm - Making Climate-Science and EE Fun Through Films and Filmmaking, RCC 305A

Check program for exact times of other appearances and screenings.

Come to the Young Voices on Climate Change Booth to look at and purchase books and films.

The 2011 NAAEE conference t-shirts are provided by Anvil Knitwear and feature Shirt Scan® technology.

Download the free app on your iPhone®, Android® or BlackBerry® to scan the QR code featured on your NAAEE t-shirt. Once scanned, you will unlock exclusive conference content, such as Schedule at a Glance, Author’s Corner participants, Award winners, and more!
THURSDAY SESSION DESCRIPTIONS

8:30 AM - 8:50 AM  
RCC 301A
BRANCHING OUT – EMBEDDING A NATURALIST IN A SCHOOL  
Presenter(s): Stefanie Miller (Ogden Nature Center)
EE Goes to School  
IP, NCLI

8:30 AM - 8:50 AM  
RCC 301B
ENVIRONMENTAL STEWARDSHIP: A SERVICE-LEARNING INTENSIVE LAB SCIENCE SUMMER COURSE  
Presenter(s): John Morris (Marian University, Fond du Lac, WI)
Environmental Justice  
IP, SE

8:30 AM - 9:10 AM  
RCC 305A
2030 CHALLENGE: HOW SUSTAINABLE EE CENTERS CAN LEAD THE WAY  
Project architect will discuss the 2030 Challenge, and how environmental education centers should be leading the way for their buildings to achieve carbon neutrality by 2030.
Presenter(s): Mark Johnson (The Miller Hull Partnership)
Climate Change Education  
BI, SE

8:30 AM - 9:10 AM  
RCC 302B
EVALUATING PROJECT LEARNING TREE’S FORESTS OF THE WORLD MODULE  
This quasi-experimental study sought to evaluate the effectiveness of the Project Learning Tree secondary module “Forests of the World”. The study examined students’ content knowledge, environmental attitudes, and self-efficacy compared to students taught in a more traditional manner.
Presenter(s): Sarah Haines (Towson University)
Environmental Issues in EE  
IP, RE

8:30 AM - 9:10 AM  
RCC 302A
A UNIQUE MASTER’S DEGREE: COLLABORATION OF ACADEMIC AND PRACTICAL EXPERIENCE  
FAU/Pine Jog Environmental Education Center offers a Master’s Degree in Environmental Education paired with a residential or non-residential assistantship which provides practical experiences in formal and non-formal settings. This presentation will explore all aspects of this unique program.
Presenter(s): Joy Ford-Fradique (Pine Jog EE Center), Susan Toth
Network and Leadership Development  
YP, IP

8:30 AM - 9:10 AM  
RCC 307
CHILDREN’S OCEAN LITERACY: LET US ALL SWIM TOGETHER  
The Hawaii Island Coastal Education and Stewardship (HICES) Research Study examined 360 K-8 students’ understanding of “what an ocean is” and investigated the beginnings of the human/ocean relationship through children’s drawings and written narratives.
Presenter(s): Darius Kalvaitis (University of Hawaii Hilo)
Climate Change Education  
AR, RE

8:30 AM - 9:10 AM  
RCC 201
ENOUGH HOT AIR – TAKING ACTION ON CLIMATE CHANGE  
It is critical that students understand causes and effects of climate change. They will gain a deeper understanding with specific real-world applications. This session provides tools for engaging students in identifying energy waste, developing solutions, and measuring the multiple benefits.
Presenter(s): Merrilee Harrigan
Climate Change  
IP

8:30 AM - 9:10 AM  
RCC 202
PREPARING JUSTICE-ORIENTED ENVIRONMENTAL EDUCATORS THROUGH GARDEN-BASED PEDAGOGY  
Pre-service teachers and children from a low-income community examined food injustices, food production, and experiential environmental education by writing food autobiographies, researching change agents such as Will Allen and Wangari Maathai, planting a permaculture garden, and investigating garden science.
Presenter(s): Joan Armon (Regis University)
Environmental Justice  
DV, IP

8:30 AM - 9:10 AM  
RCC 204
CLIMATE LITERACY AND ENERGY AWARENESS NETWORK-PATHWAY COLLECTION OF RESOURCES  
Presenters will demonstrate how to use the CLEAN Pathway Web site to find scientifically and educationally reviewed climate and energy science resources for grades 6-16, aligned with the Climate Literacy Essential Principles that will help you teach these topics effectively.
Presenter(s): Tamara Ledley (TERC), Susan Buhr (CIRES/U. of Colorado)
Climate Change Education  
IP

8:30 AM - 9:10 AM  
RCC 205
GET HANDS-ON WITH ENERGY: CLASSROOM EXPLORATIONS IN ENERGY EFFICIENCY  
Interested in exploring your classroom’s energy use? Energy Works Michigan provides engaging lesson plans for elementary, middle, and high school. Participants receive a CD-ROM of lesson plans, and we will hold a drawing for free lab equipment!
Presenter(s): Laura Holladay (Energy Works Michigan), Lauren LaRocca (Ecology Center)
Climate Change Education  
IP, SE

8:30 AM - 9:10 AM  
RCC 300
AN UNPARALLELED VICTORY: THE D.C. HEALTHY SCHOOLS ACT  
The recently enacted D.C. Healthy Schools Act represents one of the most progressive pieces of healthy schools legislation ever passed by a municipality. Come learn about the incredible merits of this bill and learn how replication is possible in your community.
Presenter(s): Sean Miller (Earth Day Network)
EE Goes to School  
IP, SE

8:30 AM - 9:10 AM  
RCC 306
2030 CHALLENGE: HOW SUSTAINABLE EE CENTERS CAN LEAD THE WAY  
Presenter(s): Rebecca Franzen (Northern Illinois University)
EE Goes to School  
YP, RE

8:30 AM - 9:10 AM  
RCC 308
AN UNPARALLELED VICTORY: THE D.C. HEALTHY SCHOOLS ACT  
A lack of institutional support and a lack of mandates are barriers to incorporating environmental education in higher education. What combination of culture and policies leads to the most influential and successful environmental education pre-service teacher preparation program?  
Presenter(s): Rebecca Franzen (Northern Illinois University)
EE Goes to School  
YP, RE

8:30 AM - 9:10 AM  
RCC 309
AN UNPARALLELED VICTORY: THE D.C. HEALTHY SCHOOLS ACT  
Presenter(s): Sean Miller (Earth Day Network)
EE Goes to School  
IP, SE

NAAEE 40TH ANNIVERSARY CONFERENCE, OCTOBER 12-15, 2011  29
8:30 AM - 9:10 AM RCC 302C
INCORPORATING SUSTAINABILITY IDEAS INTO A PRE-SERVICE SCIENCE METHODS CLASS
Pre-service teachers lack knowledge about environmental education and sustainability. Students receive EE training and use the National Sustainability Standards in lesson planning. Mammoth Cave National Park also gives students a broader perspective about the environment, incorporating people in their ideas.
Presenter(s): Jeanine Huss, Cheryl Messenger (Mammoth Cave National Park)
EE Goes to School IP, SE

8:30 AM - 9:10 AM RCC 306A
THE NEW ENGLAND OCEAN SCIENCE EDUCATION COLLABORATIVE (NEOSEC): A SUSTAINABLE NETWORK NEOSEC was established in 2005 to promote ocean literacy in New England. More than 30 organizations share a common goal, governance structure and biannual summit, and have secured funding to support its continuation.
Presenter(s): Robert Chen (UMassBoston) Network and Leadership Development NCLI

8:30 AM - 9:10 AM RCC 306B
TWO HEADS ARE BETTER THAN ONE…TRUE FOR ORGANIZATIONS TOO!
Universities have great assets but serve a limited population; non-profits have deep community roots but limited resources. Learn how a new partnership increases the capacity of both the UEC and University of Wisconsin, and brainstorms ideas for your own collaborations.
Presenter(s): Tory Bahe (Urban Ecology Center/University of Madison CALS) Network and Leadership Development IP, RE

8:30 AM - 9:50 AM RCC 303
THE ART AND SCIENCE OF PLAY: TEACHING THE EE TEACHER Hands-on Presentation
Learn to “teach the teacher” using play to lead workshops. Join 2010 TogetherGreen Fellow Pepe Marcos-Iga and Canadian Arctic environmental specialist Aliza Weller in their journey to bridge transcultural divides through humor.
Presenter(s): Aliza Weller (Intelligent Play/Nunavut Impact Review Board), Jose Marcos-Iga (Environmental Education Exchange) Network and Leadership Development DV, IP

8:30 AM - 9:30 AM RCC 305B
HE WA’A HE MOKU, HE MOKU HE WA’A – Film Presentation He Wa’a He Moku, He Moku He Wa’a embodies values essential to traditional voyaging, translating to The Canoe is an Island, The Island is a Canoe. These values should be applied to sailing and how we live on land.
Presenter(s): Michelle Jones (Division of Forestry and Wildlife - Hawaii Environmental Education Alliance) EE Goes to School SE

9:00 AM - 9:20 AM RCC 307
BRIEF REMARKS AND OBSERVATIONS AT MY 34TH NAAEE CONFERENCE
From having participated in 34 NAAEE conferences, I offer a few observations, noting trends—many highly favorable, some not so favorable—and humbly offer a few suggestions relating to NAAEE’s possible relationships to AESS, AASHE, Green Schools, NAI, etc.
Presenter(s): Thomas Hudspeth Environmental Justice IP, SE

9:00 AM - 9:20 AM RCC 203
HUMANE EDUCATION HORTICULTURE PROGRAM AND CITIZEN SCIENCE Juvenile law offenders participating in a horticultural therapy project created and maintained a garden. Based on negative interactions with wildlife during the experience, the project was expanded to incorporate citizen science to cultivate respect for wildlife.
Presenter(s): Claire Lannoye (Detroit Zoological Society), Lisa Forzley (Detroit Zoological Society) Climate Change Education IP, NCLI

9:30 AM - 9:45 AM RCC 305B
THE MAGIC OF NATURE AFTER SCHOOL HOURS Film Presentation The hours between 2 to 6 p.m. are magical for Pine Jog afterschool students. With 135 acres to explore and exceptional partnerships, environmental education is woven throughout Pine Jog’s Afterschool. Our afterschool students are discovering how learning comes naturally.
Presenter(s): Luisa Gomez (F.A.U), Susan Toth, Sarah Lundquist (Pine Jog Environmental Education Center /FAU) EE Goes to School IP, SE
A CONVERSATION WITH TOGETHERGREEN
CONSERVATION LEADERS
Annually, TogetherGreen supports a new cohort of fellows and grantees that: • provide innovative, results-oriented conservation projects • serve as conservation role models • inspire and engage diverse audiences • build leadership skills • connect with other conservation leaders
Presenter(s): Eddie Gonzalez (National Audubon Society)
Conservation Education

A PROJECT-BASED LEARNING APPROACH TO TEACHING SUSTAINABILITY
Participate in a sustainable design and low-impact development scavenger hunt and see examples of student-designed buildings and neighborhoods that serve as authentic assessment. During a residential EE program students work to creatively design efficient buildings neighborhoods that mitigate environmental impacts.
Presenter(s): Donny Roush (Odyssey School), Richard Jurin (University of Northern Colorado)
Conservation Education

BECOMING AN NAAEE REVIEWER FOR UNIVERSITY EE PROGRAMS
Gain evaluation experience and a greater understanding of how universities train future environmental educators by becoming an NAAEE reviewer in our partnership with the National Council for the Accreditation of Teacher Education (NCATE). University teaching experience is NOT required.
Presenter(s): Pamela Barnes (National Park Service)
Network and Leadership Development

BUILDING GREEN – PRACTICAL SUSTAINABILITY EDUCATION FOR NORTH CAROLINA
An innovative green building complex that houses North Carolina’s state environmental offices and a new Nature Research Center will provide the public and downtown state government complex with practical sustainability education through the implementation of green building design, policies and practices.
Presenter(s): Jill Pafford (NC DENR), Lisa Tolley (NC Office of Public Affairs)
Conservation Education

BUILDING MEANINGFUL PARTNERSHIPS TO EXTEND IMPACT DURING ECONOMIC RECESSION
In this session, we will examine the growing partnership between the Seattle Aquarium and IslandWood as an example of successful, low-cost collaboration. Topics covered will include: identifying potential partners, developing mutually beneficial relationships, and best practices for continued partnership growth.
Presenter(s): Christen Foehring (Islandwood)
Network and Leadership Development

COMMUNICATIONS FOR ENVIRONMENTAL EDUCATION: THE CONSULTANT IS IN
Communicating is a skill – we can learn to do it better. More clearly. More effectively. With wider and deeper impacts. This session offers a helpful set of principles for better communication. Come with an issue/work sample to examine.
Presenter(s): Donny Roush (Odyssey School), Richard Jurin (University of Northern Colorado)
Network and Leadership Development

CONCEPTS OF SUSTAINABILITY AMONG CERTIFIED ENVIRONMENTAL EDUCATORS IN NORTH CAROLINA
This presentation reviews the results of a naturalistic exploratory inquiry into North Carolina Certified Environmental Educators’ conceptualizations of sustainability and education.
Presenter(s): William (Bill) Crowell (Prescott College)
Environmental Justice

DEVELOPMENT OF FRAMEWORK FOR ESD AND ITS TEACHER TRAINING PROGRAM
The National Institute for Educational Policy Research (NIER) developed the innovative framework for Education for Sustainable Development (ESD) and the Teacher Training Center in Hiratsuka implemented its teacher training program for prevailing ESD at school.
Presenter(s): Masakazu Goto (National institute for Educational Policy Research of Japan), Yasuhiko Okamoto
EE Goes to School

DUKE UNDERGRADUATES IMMERSED IN COASTAL LOUISIANA BAYOU CULTURE
Duke undergraduates will present their immersive summer 2011 experiences in Terrebonne Parish, Louisiana restoring wetlands, and conducting EE with 5-8 year olds. Residents, primarily Creole, African-American, and Native American, have faced cascading catastrophes of hurricane, wetland loss, oil spill impacts.
Presenter(s): Charlotte Clark (Duke University)
Environmental Issues in EE

EARTH HOUR CHINA: NEW PARTNERSHIPS AND CHANGE BEYOND 60 MINUTES
World Wildlife Fund’s Earth Hour” in Hunan Province, China has led to innovative partnerships with different social sectors (government, business, industry, schools). This case study explores ways to expand a one-time “feel-good” event into in-depth learning, collaboration, environmental commitments and sustainable actions.
Presenter(s): lulu tan (Antioch University New England), Libby McCann (Antioch University New England)
Climate Change Education

EE FOR THE GENERAL PUBLIC: A TREASURE HUNT IN THE CITY
A treasure hunt is a well established event that has taken place in Re-thymno, Greece, the last 22 years. This year's focus is on environmental issues of the urban environment in an effort to promote environmental education of the city's inhabitants.
Presenter(s): Marianna Kalaisidaki (University of Crete)
Environmental Issues in EE

ENGAGING STUDENTS FOR ENHANCED CLIMATE EDUCATION AND RESEARCH
The partnership established by the NOAA-ISET Center can serve as a model for climate education centers hoping to impact students and teachers K-16. Information regarding this sustainable model for interdisciplinary, problem-oriented approach to climate science research will be presented.
Presenter(s): Jessica Bohn (NOAA-ISET Cooperative Science Center), Keith Schimmel (NC A&T State University)
Climate Change Education
EMPOWERING STUDENTS TO ENGAGE IN COMMUNITY-BASED CLIMATE CHANGE SOLUTIONS
Investigate strategies for supporting, tracking and evaluating community outreach projects conducted by high school students enrolled in a year-long extra-curricular science enrichment program focused on fostering science communication and leadership skills around the topics of climate change and energy literacy.
Presenter(s): Dana Haine (University of North Carolina at Chapel Hill), Jonathan Frederick (North Carolina Science Festival, Morehead Planetarium and Science Center)
Climate Change Education

ENVIRONMENTAL EDUCATION IN INDIA: HISTORICAL, PRESENT AND FUTURE PERSPECTIVES
Environmental education in India is strongly influenced by environmental issues caused by rapid economic development. This presentation discusses historical roots, examines current trends and future perspectives. It focuses on a PhD study in progress about environmental education in teacher education.
Presenter(s): Sylvia Almeida, Amy Cutter-Mackenzie (Monash Univ)
Environmental Issues in EE

ENVIRONMENTAL EDUCATION IN NORTH CAROLINA, FINLAND AND SCOTLAND
What does EE look like in North Carolina, Finland and Scotland? What are the major environmental issues in each of these geographic areas? How much EE happens in school? When, where and for whom?
Presenter(s): Catherine Matthews, Eila Jeronen (University of Oulu)
EE Goes to School

EXPLORING PARTNERSHIPS AND EXPERIENCES IN ENVIRONMENTAL EDUCATION SERVICE-LEARNING COURSE
This presentation will review student, instructor, and community experiences in a course that partners college students with after-school programs completing environmental projects. Questions and discussion related to student ownership and navigating new partnerships and logistics will be explored.
Presenter(s): Kim Charmatz (Daemen College)
Environmental Justice

FLYING WILD: PARTNERING WITH NONFORMAL EE PROVIDERS SERVING SCHOOLS
Through a network of nonformal training partners based in cities across the country, the Flying WILD bird education program helps educators implement environmental education at the middle school level to engage students with the natural world and environmental issues through birds.
Presenter(s): Josetta Hawthorne EE Goes to School

INCORPORATING INQUIRY LEARNING INTO URBAN PUBLIC SCHOOLS
With studies showing the benefits of inquiry-based learning on student achievement, Cleveland Metroparks Zoo helps lead the charge incorporating this learning style into urban classrooms. Innovative student programming and teacher involvement help pave the way for this effective learning style.
Presenter(s): Kathryn Corr EE Goes to School

MAKING A CASE FOR EE IN ACADEMIA
How do you promote EE at your university? What current EE statistics and trends are available to help you gain support for an EE course, certificate, or concentration? This session shares tips on how others promoted and implemented EE at universities.
Presenter(s): Teresa Coker, Molina Walters (Arizona State University) Network and Leadership Development

MAKING MEANINGFUL WATERSHED EDUCATIONAL EXPERIENCES HAPPEN: NOAA B-WET PROJECTS
NOAA investment in Bay Watershed Education and Training projects has made a difference in students’ watershed understanding and stewardship values from California to the Chesapeake Bay. Discuss successes, challenges and lessons learned with B-WET project representatives attending NAAEE.
Presenter(s): Dann Sklarew (George Mason University) EE Goes to School

SPATIAL-TECHNOLOGY IN ENVIRONMENTAL EDUCATION: TO BE OR NOT TO BE?
Although the use of computers and spatial-technologies are regarded as an essential skill in EE, the paradoxical message this conveys cannot be overemphasized. This presentation seeks to spark discussions/debate on the use of spatial-technologies/computers in EE.
Presenter(s): Blessing Igboke, Clinton Beckford (University of Windsor)
Environmental Issues in EE

TEACHING BONOBO AND RED WOLF CONSERVATION IN THE CLASSROOM
The Museum of Life and Science and Duke have collaborated to create a children’s program that highlights conservation of endangered species in NC and the Congo. Find out how we are comparing Bonobo conservation with Red Wolves Species Survival Plan.
Presenter(s): Adrienne Testa, Courtney Behrle (Museum of Life & Science) Conservation Education

THE NATURE OF NETWORKS
PLT has a successful “Network”...but what exactly is a network? And what are the best ways to create and access them? Participants will review and discuss various networking tools and techniques they can implement in their own Environmental Education programs.
Presenter(s): Kay Antunez de Mayolo, Jackie Stallard (Project Learning Tree) Network and Leadership Development

THE ROLE OF SCIENTIFIC OBSERVATIONS ON COGNITION, AFFECT, AND COMPETENCE
This study examines field experts’ perceptions of effective environmental training in terms of affect, cognitive skills, and competence. Results inform current trends in state environmental literacy plans by emphasizing scientific observational skills and the benefits of citizen science programs.
Presenter(s): Suzanne Hiller (George Mason University), Earle Reybold (George Mason University) Environmental Issues in EE

USING LITERACY ACROSS SUBJECTS TO EXPLORE GLOBAL ISSUES
The session explores the events in a science math academy to help integrate the study of global awareness with literature, math, science, and technology.
Presenter(s): Angela Reid-Griffin (UNCW) Climate Change Education
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<td>GARBAGE: ONLINE EXTENSION PROGRAMMING IN EE</td>
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<td>USING NATURE AS MENTOR AND GUIDE IN PRE-SERVICE</td>
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<td>LEVERAGING PRE-SERVICE TEACHER EDUCATION PROGRAMS TO INCLUDE EE</td>
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<td>APPLYING COMMUNITY DEVELOPMENT PRACTICES TO CONSERVATION EDUCATION THROUGH PROFESSIONAL DEVELOPMENT</td>
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<td>NATIONAL PARK AGENCIES: SHIFTING FROM ENVIRONMENTAL INTERPRETATION TO ENVIRONMENTAL EDUCATION</td>
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<td>ENVIRONMENTAL ISSUES INSTRUCTION (EII) IN IOWA</td>
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<td>HOW TO TEACH ABOUT CONTROVERSY</td>
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10:30 AM - 10:50 AM RCC 301A
IMPLEMENTING ENVIRONMENTAL LITERACY PLANS IN LOCAL CONTROL STATES
How do we successfully implement STATE environmental literacy plans LOCALLY? Join us to discuss and share ideas for outreach and partnerships with the educators, schools, and districts that ultimately will be responsible for building environmental literacy in local control states.
Presenter(s): Katie Navin (Colorado Alliance for Environmental Education)
Network and Leadership Development
IP

10:30 AM - 11:10 AM RCC 302A
FROM RED INK TO BLACK: TURNING TOWARDS PROGRESS
Environmental education institutions typically struggle to get their budgets 'in the black'. Join us to learn from the experience of Keystone Science School, an organization that used creative solutions to positively affect the bottom line.
Presenter(s): Ellen Reid (Keystone Science School)
Network and Leadership Development
IP

10:30 AM - 10:50 AM RCC 206
CREATIVE USE OF MUSIC AND SOUND IN ENVIRONMENTAL EDUCATION
Join two North Carolina State Park Rangers for an exploration of diverse ways to use music and sound to enhance environmental education both inside and outside the formal education setting. No musical talent is necessary, but class participation is required.
Presenter(s): Keith Nealson (NC State Parks), Joseph Shimel (NC State Parks - New River)
EE Goes to School
AR

10:30 AM - 11:10 AM RCC 205
RESTORING WETLAND HABITAT, ONE STUDENT AT A TIME
The 48-mile long White Oak River is a gem for many visitors to the NC coast. Working together, thousands of students and adults have helped protect this river by purchasing land, promoting low-impact development and restoring oyster beds and salt marshes.
Presenter(s): Sarah Phillips (NC Coastal Federation)
Conservation Education
IP, SE

10:30 AM - 10:50 AM RCC 307
ROLE OF SCHOOL CHILDREN IN MANAGING SOLID WASTE IN KATHMANDU
Public awareness and participation is a key to success in solving environment problems. Role of school-age children is often underestimated in raising such awareness and participation. Children who learn the importance of environmental conservation can educate their parents on such issues.
Presenter(s): Manoj Devkota
Environmental Issues in EE
IT, SE

10:30 AM - 11:10 AM RCC 305A
ADDING ENERGY TO ENVIRONMENTAL SERVICE-LEARNING PROJECTS
Conservation of natural resources through energy efficiency is the easiest way students can have an impact on the environment. The Alliance to Save Energy presents projects and resources for teachers to help students focus on energy conservation in their community.
Presenter(s): Megan Campion (Alliance to Save Energy)
Climate Change Education
YP, SE

10:30 AM - 11:10 AM RCC 306C
LEARN! DO! SHARE ONLINE! MANITOBA SUSTAINABILITY EDUCATION DIRECTORY
This presentation explores the Manitoba SE Directory (MSED.ca) – An easy to use, single-window, fully-searchable online knowledge portal for funding opportunities and multi-sectoral information on environmental/SE providers and their programs, services and action projects across all regions in Manitoba.
Presenter(s): Christina McDonald (Green Manitoba)
Network and Leadership Development
IP, SE

10:30 AM - 10:50 AM RCC 302B
APPLYING YOUR PASSION TO ADVOCACY: TOOLKIT 101
During this session we will discuss the importance of advocacy, identify “walls” and “stalls”, advocacy basics and examples, and share pointers, tools and techniques that will leave you armed to apply advocacy to your passion for connecting people with nature.
Presenter(s): Shareen Knowlton (ROGER WILLIAMS PARK ZOO), Danielle Moodie (National Wildlife Federation), Patrick Fitzgerald (National Wildlife Federation)
Network and Leadership Development
NCLI

10:30 AM - 11:10 AM RCC 302C
PRE-SERVICE ELEMENTARY EDUCATORS: AUTHENTIC ASSESSMENT OF ENVIRONMENTAL EDUCATION LEARNING
This presentation explores one teacher educator’s attempt to answer this strand’s question; “What are best practices for developing strong professional development programs in environmental education for pre-service and in-service teachers?” Pre-service teachers learn about EE by designing their own lessons.
Presenter(s): Jessica Krim (SIUE)
EE Goes to School
IP

10:30 AM - 10:50 AM RCC 203
CONSERVATION EDUCATION FOR THE BEACHES
Discover the International Beachcombing Conference and its efforts to promote conservation, encourage education, and focus on the ethics of visiting beaches. With two conferences under its belt, the newly-formed Beachcomb Alliance International continues its educational efforts.
Presenter(s): Terri Hathaway (NC Sea Grant)
Conservation Education
IP

10:30 AM - 11:10 AM RCC 304A
NETWORK AND LEADERSHIP DEVELOPMENT
Four sessions to help you improve your skills.

10:30 AM - 11:10 AM RCC 304B
ENVIRONMENTAL JUSTICE
Presenter(s): Lori Blake (The Governor Morehead School for the Blind)
Morehead School for the Blind (Raleigh, NC), to learn helpful and easy ways to make your program more accessible for individuals with visual impairments or blindness.
Network and Leadership Development
DV, NCLI

10:30 AM - 10:50 AM RCC 304C
NETWORK AND LEADERSHIP DEVELOPMENT
Presenter(s): Ellen Reid (Keystone Science School)
Network and Leadership Development
IP

10:30 AM - 11:10 AM RCC 304D
NETWORK AND LEADERSHIP DEVELOPMENT
Presenter(s): Christina McDonald (Green Manitoba)
Network and Leadership Development
IP, SE
THURSDAY SESSION DESCRIPTIONS

10:30 AM - 11:10 AM  RCC 306A
WHAT TO KNOW BEFORE YOU SUBMIT A GRANT APPLICATION WORKPLAN
You have a terrific program idea and need funding. You decide to apply for a grant and write a work plan. How can you increase its chances for success? EPA staff share successful grant writing strategies.
Presenter(s): Teresa (Terry) Ippolito (U.S. EPA), Sally Hanft (EPA - Seattle Regional Office), Megan Gavin (U.S. EPA Chicago), Larry Brown (US EPA Mid-Atlantic Region)
Network and Leadership Development  IP

10:30 AM - 11:10 AM  RCC 201
WHAT’S HAPPENING IN HIGHER EDUCATION?
Come learn about innovative ways various colleges are incorporating EE in and outside the classroom through service-learning, campus sustainability efforts, and student organizations and initiatives.
Presenter(s): Himanshu Gopalan (Winston-Salem State Univ.), Billy Bennett (Eastern Ky. Univ.), Michael Reiter (Bethune-Cookman University)
Network and Leadership Development  IP

11:00 AM - 11:20 AM  RCC 203
ENVIRONMENTAL EDUCATION & URBAN TEACHER INITIATIVE
A diverse partnership is delivering much needed teacher professional development opportunities in environmental education to K-8 teachers in Detroit. The project provides workshops, classroom supplies, and field trip stipends to support teachers.
Presenter(s): Joan Chadde Schumaker (MI Technological Univ.), Michael Reed (MI Alliance for Environmental and Outdoor Education)
Conservation Education  IP

11:00 AM - 11:10 AM  RCC 307
HOW MANY TREES IN YOUR SCHOOL YARD?
A case study for the analysis of an urban environmental issue, the loss of trees in favor of the built environment, based on a real incident in the city of Rethymno, Greece, that caused a wide dispute in the local community.
Presenter(s): Marianna Kalaitsidaki (University of Crete)
Environmental Issues in EE  IP, IN

11:00 AM - 11:20 AM  RCC 202
EE CAPACITY OFFERS THE URBAN EE COURSE
We will discuss a new online course “EE in Urban Communities” developed by the new EPA training project EECapacity. This professional development course is based on principles of collaborative development of knowledge, sharing best practices and learning from research.
Presenter(s): Alex Kudryavtsev, Marianne Krasny (Cornell University), Akima Price (EECapacity Executive Team Member), Jose Marcos-Iga (Environmental Education Exchange), Augusto Medina (EETAP/UWSP), Linda Rhoads (NAAEE)
Network and Leadership Development  YP

KEYNOTE PRESENTATION
11:45 AM - 1:45 PM  Ballroom B&C
CLIMATE CHANGE, OCEANS AND SOCIETY
See description on Page 12
NAAEE has assembled an international panel of climate change experts who focus on climate/ocean relationships. They will offer nuggets of their research/leadership and describe their perspective on climate change impacts on oceans, with related or potential changes in human society.

1:30 PM – 3:00 PM and 3:30 PM – 5:00 PM  RCC 306B
SERVICE-LEARNING AT WALNUT CREEK WETLAND CENTER
Transportation by City Bus outside RCC Lobby.

2:00 PM - 2:20 PM  RCC 307
GLEE: AN ENVIRONMENTAL CURRICULUM DESIGNED USING PRINCIPLES OF BEHAVIORAL SCIENCE
Using research-based strategies—such as modeling, practice, and commitment—we designed curricula aimed at changing behavior related to energy efficiency, food, and transportation choices. We’ll describe the curriculum implementation with Girl Scouts and findings from the randomized controlled-trial evaluation study.
Presenter(s): Nicole Ardoin (Stanford University), Kathayoon Khalil (Stanford University), Kathleen O’Connor (Stanford University)
Climate Change Education  IP

2:00 PM - 2:20 PM  RCC 202
USE OF NOMINAL GROUP TECHNIQUE FOR STATEWIDE PROGRAM DESIGN
Learn how the Wisconsin K-12 Energy Education Program used a series of nominal group sessions conducted around the state to design a comprehensive program that meets the needs of K-12 teachers while addressing its program’s mission.
Presenter(s): Jennie Lane (Wisconsin K-12 Energy Education Program)
Network and Leadership Development  IP, RE

2:00 PM - 2:40 PM  RCC 306A
BUILDING CAPACITY FOR NON-FORMAL EDUCATION IN VIRGINIA
Join the Virginia Office of Environmental Education for a summary of lessons learned while building decentralized networks of EE providers across Virginia. This project focused on supporting Regional EE Teams for delivering high-quality, science-based education and conducting local stewardship projects.
Presenter(s): Ann Regn, David Ruble (VA Office of Environmental Ed.)
Network and Leadership Development  IP

2:00 PM - 2:40 PM  RCC 302C
CAN EE TRANSLATE TO IMPROVED SCIENCE TEST SCORES?
Local students regularly experience outdoor education at the Waccamaw National Wildlife Refuge in Georgetown County, South Carolina, and NWR educational staff also visit their classrooms. Does this experience make a measurable difference in the science understanding of these students?
Presenter(s): Sharon Gilman (Coastal Carolina University)
EE Goes to School  DV, RE
THURSDAY SESSION DESCRIPTIONS

2:00 PM - 2:40 PM  RCC 302B
COALITION-BUILDING TO SUPPORT ENVIRONMENTAL LITERACY PLAN DEVELOPMENT, ADOPTION, AND IMPLEMENTATION
With the Environmental Literacy Plan (ELP) movement progressing in every state, the skill of building and nurturing coalitions to support the phases of ELP development is evolving. This session will convene coalition-building experts and EE leaders to share lessons learned.
Presenter(s): Brock Adler, Sarah Bodor (Chesapeake Bay Foundation)
Network and Leadership Development

2:00 PM - 2:40 PM  RCC 206
ENVIRONMENTAL LITERACY IN COLORADO: A CASE STUDY FROM STEAMBOAT SPRINGS
Interested in pilot testing an environmental literacy program in your school district? Join us to discuss "lessons learned" from this case study in Steamboat Springs. Yampatika will share its environmental literacy model and discuss best practices for its replication.
Presenter(s): Sonja Macys (Yampatika)
EE Goes to School

2:00 PM - 2:40 PM  RCC 302A
HIGHLIGHTS OF EETAP ACCOMPLISHMENTS (1995-2010)
Over a 15-year period, EETAP delivered EE training and support to over 100,000 education professionals. Leadership Clinics and Guidelines for Excellence are just a few of the initiatives that EETAP supported.
Presenter(s): Augusto Medina (Contractor/Consultant)
Network and Leadership Development

2:00 PM - 2:40 PM  RCC 306C
HOW TO SUCCEED AT GRANT WRITING FOR NOAA'S FUNDING OPPORTUNITIES
Learn what NOAA looks for in a grant application! We'll cover the "do's and don'ts" for applying to grant programs offered by NOAA.
Presenter(s): Sarah Schoedinger (NOAA)
Network and Leadership Development

2:00 PM - 2:40 PM  CC 301B
IMPLEMENTING PRE-K-12 EE OUTREACH PROGRAMS IN THE WORKPLACE: BEST PRACTICES
The U.S. EPA in Research Triangle Park initiated a formal outreach program in 2004 to share environmental science with pre-K-12 students and teachers, universities, and community groups.
Presenter(s): Kelly Leovic (U.S. EPA) Environmental Justice

2:00 PM - 2:40 PM  RCC 305A
ONLINE VIDEO: BEST PRACTICES AND BETTER MESSAGING
Learn how to make the most of your video. From where to promote it to what length to make it to how you can really grab attention, this session will help your video look great and get better return.
Presenter(s): Kelly Cox (Iron Way Films, LLC) Network and Leadership Development

2:00 PM - 2:40 PM  RCC 301A
SUSTAINABILITY EDUCATION: UPDATES FROM THE FIELD
Join leaders in the field of sustainability education for updates on local, national, and international efforts. Discuss the UN Decade and the US Partnership for Education for Sustainable Development and schools implementing SE.
Presenter(s): Sunshine Buchholz (Wisconsin Center for EE), Jeremy Solin (LEAF/Wisconsin Center for EE), Tiffany Tillman (Shelburne Farms), Emily Hoyler (Shelburne Farms)
Network and Leadership Development

2:00 PM - 2:40 PM  Ballroom B&C
THE ENERGIZED GUYZ: A LIVE PERFORMANCE
The National Theatre for Children demonstrates its energy efficiency in-school curriculum that teaches, entertains and inspires students to adopt energy efficiency behaviors at home.
Presenter(s): Kevin Plagman (The National Theatre for Children) EE Goes to School

2:00 PM - 2:40 PM  RCC 205
TOOLS OF ENGAGEMENT: A TOOLKIT FOR ENGAGING PEOPLE IN CONSERVATION
Join us for a participatory introduction to the Tools of Engagement: A Toolkit for Engaging People in Conservation, which provides research and resources to help integrate education, social marketing, civic engagement, and communication into conservation planning.
Presenter(s): Eddie Gonzalez (National Audubon Society) Conservation Education

2:00 PM - 3:20 PM  RCC 303
SUSTAINABILITY AND EE IN ACTION – MEANINGFUL SERVICE AND EXPERIENTIAL LEARNING
Florida Gulf Coast University faculty present three different projects engaging students in experiential and service-learning through mapping and modeling, archeology field-school and the campus naturalist program. Students make meaningful connections with sustainability and relationships with community partners.
Presenter(s): Sarah Davis, Annette Snapp, Marguerite Forest (Florida Gulf Coast University) Network and Leadership Development

2:00 PM - 3:20 PM  RCC 304
THE NORTH CAROLINA WATERSHED GAME: FUN AND ENGAGING WATERSHED EDUCATION
During this hands-on presentation, participants will learn how land use and water quality are connected by playing the NC Watershed Game. This game was adapted from Northland NEMO by the NC Coastal Training Program, NC Sea Grant, and NC Coastal Federation.
Presenter(s): Whitney Jenkins (NC National Estuarine Research Reserve) Conservation Education

2:00 PM - 3:20 PM  RCC 402
THE PINE JOG FELLOWSHIP: ADDRESSING ENVIRONMENTAL ISSUES THROUGH SERVICE-LEARNING
Pine Jog Environmental Education Center provides an opportunity for students to tackle environmental issues in their community through service-learning projects. This interactive presentation will focus on the evolution and mechanics of this program, including its focus on local environmental issues.
Presenter(s): Joy Ford-Fradique (Pine Jog EE Center), Susan Toth Environmental Issues in EE
THURSDAY SESSION DESCRIPTIONS

2:00 PM - 4:00 PM
Marriott Congressional B
U.S. FISH AND WILDLIFE SERVICE MEETING
Presenter(s): Michelle Donlan (U.S. Fish and Wildlife Service)
Invitation only meeting for USFWS staff.

2:30 PM - 2:50 PM
RCC 202
ENGAGING LATINO AUDIENCES IN INFORMAL SCIENCE EDUCATION
Environment for the Americas is examining the barriers to participation in informal science education by Latino audiences. Using the results of 1,000 face-to-face surveys, we are implementing programmatic changes to engage Latinos in activities at six sites across the U.S.
Presenter(s): Susan Bonfield (Environment for the Americas)
Environmental Justice

2:30 PM - 2:50 PM
RCC 307
HOW LARGE EDUCATIONAL EVENTS CAN PROMOTE YOUR MESSAGE AND INSTITUTION
Learn how large, annual, educational events, like the NC Museum of Natural Sciences’ BugFest, can not only draw large crowds but can also get the public to focus on your message and learn more about your institution.
Presenter(s): Kari Wouk (NC Museum of Natural Sciences), Liz Jones (NC Museum of Natural Sciences)
Conservation Education

2:30 PM - 2:50 PM
RCC 203
PLANTING SEEDS: PROMOTING ENVIRONMENTAL ACTION THROUGH CRITICAL ENVIRONMENTAL EDUCATION
This paper examines how an urban farming school in New Orleans teaches students to engage in action and have hope for the future by teaching environmental education based on critical theory (critical EE).
Presenter(s): Donovon Ceaser (LSU)
Environmental Justice

2:50 PM - 3:35 PM
Ballroom B&C
THE ENERGIZED GUYZ: A LIVE PERFORMANCE
The National Theatre for Children demonstrates its energy efficiency in school curriculum that teaches, entertains and inspires students to adopt energy efficiency behaviors at home.
Presenter(s): Kevin Plagman (The National Theatre for Children)
EE Goes to School

3:00 PM - 3:20 PM
RCC 202
EVALUATION OF A 6TH GRADE ENVIRONMENTAL EDUCATION EXPERIENCE IN VIRGINIA
Evaluation of the first year of a 6th grade watershed education program collaboratively developed by George Mason University and Prince William County Schools (Virginia)
Presenter(s): Dann Sklarew (George Mason University)
EE Goes to School

3:00 PM - 3:20 PM
RCC 307
INFUSING UNCG'S TEACHER EDUCATION MODEL WITH AN EE THEME
UNCG’s pre-service elementary education program uses a professional development schools model for teacher education. We spend significant time in schools and in classes in theme-based cohorts, one in EE. Supports, successes, tensions and barriers to certification are highlighted.
Presenter(s): Catherine Matthews
EE Goes to School

3:00 PM - 3:40 PM
RCC 301A
SCIENCE FESTIVALS AND EE: 21ST CENTURY MUTUALISM
By looking through the lens of the upcoming 2012 North Carolina Science Festival, the first statewide science festival in the nation, learn how environmental educators can (and should!) provide meaningful programming to new audiences.
Presenter(s): Jonathan Frederick (North Carolina Science Festival, Morehead Planetarium and Science Center)
Network and Leadership Development

3:00 PM - 3:40 PM
RCC 306B
BUILDING EE CAPACITY THROUGH ONLINE PROFESSIONAL LEARNING COMMUNITIES
Online social networks and learning and collaboration spaces are transforming the way we communicate, create and transfer knowledge, resources and experiences for the EE profession. Learn how the EE Capacity Project is connecting diverse educators through Professional Learning Communities.
Presenter(s): Linda Rhoads (NAAEE), Jose Marcos-Iqa (Environmental Education Exchange), Karen Hollweg (NAAEE Past President), Akima Price (EECapacity Executive Team Member), Marianne Krasny (Cornell University), Augusto Medina (EETAP/UWSP)
Network and Leadership Development

3:00 PM - 3:40 PM
RCC 206
ENVIRONMENTAL LITERACY PLANS ONLINE
Professional development, resources, and EE providers are often widely available, however, there may not be a centralized way to find opportunities. Join us to explore opportunities to put the resources and tools of an environmental literacy plan online.
Presenter(s): Katie Navin (Colorado Alliance for EE)
EE Goes to School

3:00 PM - 3:40 PM
RCC 306C
EXPLORING THE PARADOX OF EE AND E-LEARNING
This presentation identifies the conflict between EE and e-learning; discusses best practices for incorporating online learning into EE programs; presents two web-based training modules designed to promote EE; and shares feedback from FrogWatch USA™ program participants who used these tools.
Presenter(s): Nette Pletcher (Association of Zoos & Aquariums)
Network and Leadership Development

3:00 PM - 3:40 PM
RCC 301D
EVALUATION TOOLS AND BEST PRACTICES FOR SCHOOL GARDEN PROFESSIONAL DEVELOPMENT
How can we help prepare teachers to use and sustain their school gardens? Learn about the Green Teacher Network’s efforts in Chicago through its 2011 program evaluation. Receive free relevant evaluation tools including sample surveys, photo rubrics, and interview guides.
Presenter(s): Catherine Game (E2 Evaluation), John Cawood (E2 Evaluation), Jaime Zaplatosch (Openlands)
EE Goes to School

3:00 PM - 3:40 PM
RCC 301E
NETWORK AND LEADERSHIP DEVELOPMENT

3:00 PM - 3:40 PM
RCC 301F
THE ROLE OF ASSESSMENT IN ENVIRONMENTAL EDUCATION

3:00 PM - 3:40 PM
RCC 301G
THE IMPORTANCE OF EFFECTIVE RESPONSE TO ENVIRONMENTAL EDUCATION RESEARCH
3:00 PM - 3:40 PM  
**GREEN LIVING PROJECT: STUDENTS CONNECTING TO GLOBAL SUSTAINABILITY**  
Green Living Project will discuss the power of storytelling and how multimedia can connect students to positive and cutting-edge global sustainability stories. Come learn about leading case studies and see how you can use GLP’s free resources.  
**Presenter(s):** Rob Holmes (Green Living Project)  
**Climate Change Education**  
**IP, SE**

3:00 PM - 3:40 PM  
**GROWING COMMUNITY THROUGH EE CERTIFICATION: NORTH CAROLINA’S STORY**  
Environmental Education Certification programs strengthen the profession and can also foster capacity building statewide. Learn how we have certified 925+ educators and built partnerships through this nationally recognized program. We will focus on program structure, sponsoring agencies, and lessons learned.  
**Presenter(s):** Lisa Tolley (NC Office of Public Affairs)  
**Network and Leadership Development**  
**IP, SE**

3:00 PM - 3:40 PM  
**INCORPORATING CULTURAL KNOWLEDGE INTO ENVIRONMENTAL EDUCATION FOR NATIVE YOUTH**  
Explore lessons learned through the Elwha Science Education Project, a culturally-integrated academic enrichment program for Klallam youth focused on merging traditional knowledge with environmental science education by working with Native youth and their communities.  
**Presenter(s):** Kim Hanson (NatureBridge at Olympic Park Institute)  
**Conservation Education**  
**DV, IP**

3:00 PM - 3:40 PM  
**MEDIA CONSTRUCTION OF SUSTAINABILITY**  
This workshop will model the teaching of environmental studies and social equity through constructivist decoding of rich media documents (video, print, web, etc.) using Project Look Sharp’s newest free online curriculum kit: Media Constructions of Sustainability: Food, Water and Agriculture.  
**Presenter(s):** Chris Sperry (Project Look Sharp, Ithaca College)  
**Environmental Justice**  
**IP, SE**

3:00 PM - 3:40 PM  
**NCCAN! - A PARTNERSHIP CONNECTING NORTH CAROLINA'S CHILDREN TO NATURE**  
Learn how a state coalition is connecting groups at the local, state and national level to get children back outdoors. NCCAN! strives to provide children in North Carolina with the opportunity to experience and value the natural world around them.  
**Presenter(s):** Kathy Bull (NC Zoo Society/ NCCAN!), Shelby Laird (Auburn University)  
**Network and Leadership Development**  
**IP, NCLI**

3:00 PM - 3:40 PM  
**STUDENTS AS SCIENTISTS: TEACHING ABOUT RESOURCE ISSUES THROUGH CITIZEN SCIENCE**  
Educators in Great Smoky Mountains National Park have been collecting data for on-going research studies using students. These studies meet state curriculum goals while contributing data on the impacts of critical issues such as air quality and climate change.  
**Presenter(s):** Susan Sachs (National Park Service)  
**Conservation Education**  
**IP, NCLI**

3:00 PM - 3:40 PM  
**TEACHER AGENCY FOR COMMUNITY ENGAGEMENT**  
Creating and leading ambitious community-based programs requires more than just presenting lessons. This session shares a research-based model of teacher agency developed in collaboration with teachers participating in two NSF-funded after-school and summer programs for youth.  
**Presenter(s):** Bob Coulter (Missouri Botanical Garden)  
**EE Goes to School**  
**RE**

3:00 PM - 3:40 PM  
**UTILIZING OUTDOOR PLAY TO DEVELOP ENVIRONMENTAL STEWARDS AND CONSERVATIONISTS**  
NYC Dept. of Parks and Recreation have created a program which facilitates outdoor play to connect children to their local environment. Play is an ideal way for children to learn about their world and their important role in it.  
**Presenter(s):** Marta Arroyo (NYC Parks & Rec), Sunny Corrao (NYC Parks & Rec)  
**Conservation Education**  
**IP, SE**

3:00 PM - 3:40 PM  
**WHAT'S THE POINT?**  
It's the mission, stupid (to paraphrase Bill Clinton)! Learn from the Alice Ferguson Foundation’s process of organization-wide evaluation, which ties together evaluation of program outcomes, annual staff reviews, and other business practices to keep our eyes on the prize.  
**Presenter(s):** Libby Campbell (Alice Ferguson Foundation)  
**Network and Leadership Development**  
**IP, RE**

3:00 PM - 4:05 PM  
**PLAY AGAIN – Film Presentation**  
What are the consequences of a childhood removed from nature? Six screen-addicted teens take their first wilderness adventure. What are we missing when we are behind screens? And how will this impact our children, our society, and eventually, our planet?  
**Presenter(s):** Winnie Scherrer (Bullfrog Films)  
**EE Goes to School**  
**IP, NCLI**

3:30 PM - 3:50 PM  
**PARTICIPATORY DEVELOPMENT OF FOTONOVELAS FOR ENVIRONMENTAL EDUCATION AND COMMUNITY EMPOWERMENT**  
This presentation explores how 4-H implemented a fotonovela project guided by educational research, specifically critical pedagogy—which aims to empower underserved constituents of society through the process of analyzing, naming, and characterizing issues in the form of dialogue.  
**Presenter(s):** A. Michael Marzolla (University of California)  
**Environmental Issues in EE**  
**DV, IP**

3:30 PM - 3:50 PM  
**THE OREGON FOREST LITERACY PROGRAM-CONNECTING SERVICE-LEARNING AND FORESTS**  
The Oregon Forest Literacy Program connects forests and service learning. This collaborative effort by a diverse group of educators and stakeholders, resulted in a plan that includes a conceptual framework; K-12 scope and sequence; and connections to service learning projects.  
**Presenter(s):** Norie Dimeo-Ediger (Oregon Forest Resources Institute)  
**Network and Leadership Development**  
**IP**
3:30 PM - 3:50 PM RCC 203
**URBAN COMMUNITY STREAMS – ENGAGING COMMUNITIES, IMPROVING WATER QUALITY**
Learn about a collaborative pilot program in Asheville, North Carolina, designed to engage residents of low-income, urban neighborhoods in their natural surroundings and restore green space through community involvement in biological stream monitoring and the ideology of environmental justice.
Presenter(s): Katie Hicks (Clean Water for North Carolina)
Environmental Justice  DV

3:30 PM - 4:50 PM RCC 303
**FIELDSCOPE: SUPPORTING GEOGRAPHIC INVESTIGATIONS AND ENGAGING STUDENTS AS CITIZEN SCIENTISTS**
National Geographic Education Programs is expanding its free online mapping and citizen science tool, FieldScope. Participants will explore current FieldScope projects and become familiar with the data visualization and analysis tools. Please bring your wireless-enabled laptop.
Presenter(s): Anna Switzer (National Geographic Society), Elena Takaki (National Geographic)
Conservation Education  IP

3:30 PM - 4:50 PM RCC 402
**IS CORPORATE AMERICA EMBRACING THE ENVIRONMENTAL MOVEMENT THROUGH EDUCATION?**
Some environmental educators see corporate America as an adversary. We will address this myth and explore the possibilities of a sustainable partnership between corporations and environmental education by examining some existing and progressive corporate models of social responsibility.
Presenter(s): Sabiha Daudi (Northern Illinois University)
Network and Leadership Development  BI, YP

3:45 PM - 4:30 PM Ballroom B&C
**THE ENERGIZED GUYZ: A LIVE PERFORMANCE**
The National Theatre for Children demonstrates its energy efficiency in-school curriculum that teaches, entertains and inspires students to adopt energy efficiency behaviors at home.
Presenter(s): Kevin Plagman (The National Theatre for Children)
EE Goes to School  EV

4:00 PM - 4:20 PM RCC 202
**BUILDING AN EE OHANA: THE HAWAII ENVIRONMENTAL EDUCATION ALLIANCE**
Learn more about NAAEE’s newest affiliate: the Hawaii Environmental Education Alliance (HEEA) and how HEEA is using both traditional and innovative approaches to augment diversified external support of EE and improve internal communication and professionalism.
Presenter(s): Michelle Jones (Division of Forestry and Wildlife - Hawaii Environmental Education Alliance)
Network and Leadership Development  IP, SE

4:00 PM - 4:20 PM RCC 203
**URBAN WORK: INVOLVING MINORITY HIGH SCHOOL YOUTH IN SUSTAINABILITY RESEARCH**
One hundred minority youth spent their summers investigating climate change and conducting research in collaboration with university students while enhancing their math and science skills. The entire program is funded locally as it has been for the past 30 years.
Presenter(s): David Wicks (Lincoln Foundation)
Environmental Justice  DV, SE

4:00 PM - 4:40 PM RCC 306A
**ADVOCACY FOR ENVIRONMENTAL LITERACY PLANS: BEYOND DEVELOPMENT TO SUCCESSFUL IMPLEMENTATION**
Nearly every state across America is actively engaged in developing an environmental literacy plan...but then what? Learn from states with completed plans how they are moving forward with strategic next steps to successfully implement ELPs, ensuring an environmentally literate citizenry.
Presenter(s): Traci Price (The Environmental Education Association of Oregon), Jesse Haney (Wisconsin Environmental Education Foundation)
Network and Leadership Development  NCLI

4:00 PM - 4:40 PM RCC 301B
**BRIDGING CONSERVATION AND DEVELOPMENT THROUGH EDUCATION IN RURAL SOUTHERN AFRICA**
Take a side trip to southern Africa! How may education contribute to conservation and rural development goals in areas affected by extreme poverty and HIV/AIDS? We discuss evaluation results from a unique youth conservation education program in Botswana.
Presenter(s): Deborah Wojcik (University of Florida), Martha Monroe (University of Florida)
Environmental Justice  IT, RE

4:00 PM - 4:40 PM RCC 307
**CONCEPT MAPS AS ASSESSMENT TOOLS FOR PRESCHOOLERS VISITING ANIMAL EXHIBITS**
This presentation describes the development and evaluation of a new type of concept mapping assessment tool that can be used with preschool children to document the educational impact of visits to live animal exhibits such as live butterfly walk-through exhibits.
Presenter(s): Linda Cronin-Jones (University of Florida)
Conservation Education  IP, RE

4:00 PM - 4:40 PM RCC 302A
**CONNECTING NEW URBAN EE APPROACHES AND ESTABLISHED EE PROGRAMS/Networks**
Many novel and vibrant EE initiatives are emerging in cities across the US. However, these programs and more established EE are disconnected. Find out how new urban EE approaches and established EE networks are coming together through the EECapacity Project.
Presenter(s): Augusto Medina (Contractor/Consultant), Marianne Krasny (Cornell University), Jose Marcos-Iga (Environmental Education Exchange), Akiima Price (EECapacity Executive Team Member), Linda Rhoads (NAAEE)
Network and Leadership Development  DV, IP

4:00 PM - 4:40 PM RCC 305A
**CONSERVATION EDUCATION FOR URBAN YOUTH: A CORPORATE-COMMUNITY-UNIVERSITY PARTNERSHIP**
This summer program is a place-based conservation education initiative for urban youth in New York City partnering a multi-national corporation, a non-profit organization and a private university. Presentation will discuss the design and implementation of the first two years.
Presenter(s): Mary Leou (New York University), Christine Coughlin (New York University)
Environmental Justice
4:00 PM - 4:40 PM  RCC 205
CREATING A SUCCESSFUL RIVER BASIN WATER QUALITY CITIZEN EDUCATION PROGRAM
Learn about a highly successful citizen education program that provides free resources to promote awareness and conservation of North Carolina’s 17 River Basins. We will discuss material development, funding sources and evaluation results. Sample materials will be provided.
Presenter(s): Tracey Ritchie (NC Office of Environmental Education and Public Affairs)
Conservation Education  IP, SE

4:00 PM - 4:40 PM  RCC 301A
ELP IMPLEMENTATION: A DISTRICT-WIDE MODEL
In tough economic times, how do you maintain the momentum needed for your ELP to work? Learn about efforts to make systemic change in one Maryland school district, and discuss roles of stakeholders in achieving implementation goals.
Presenter(s): Sarah Bodor (Chesapeake Bay Foundation)
EE Goes to School  NCLI

4:00 PM - 4:40 PM  RCC 204
ENHANCING ENVIRONMENTAL COMMUNICATION & EDUCATION USING MARKET RESEARCH
Effective communication is contingent on understanding the target audience. The Ocean Project's research initiative offers critical insights on the attitudes and values of Americans concerning oceans, climate change, and related conservation issues to provide guidance on communication efforts.
Presenter(s): Wei Ying Wong (The Ocean Project)
Climate Change Education  IP, RE

4:00 PM - 4:40 PM  RCC 302C
EUGENE: EVALUATING YOUR EE PROGRAM IS FAST, FUN AND FREE
The Ecological Understanding as a Guideline for Evaluation of Non-formal Education provides non-formal EE with a tool for program improvement and accountability.
Presenter(s): Michelle Andrews (UGA/Forest Service), Babs McDonald (Forest Service)
EE Goes to School  IP

4:00 PM - 4:40 PM  RCC 304
EXPLORING TEACHER AND STUDENT PERSPECTIVES ON THE ENVIRONMENTAL SCIENCE COURSE
This study uses a sociocultural approach to investigate the goals established by the teacher for a high school Environmental Science course and the reaction of the students to these goals as they are enacted in the classroom.
Presenter(s): Erica Blatt (College of Staten Island)
EE Goes to School  RE, SE

4:00 PM - 4:40 PM  RCC 206
KENTUCKY GREEN & HEALTHY SCHOOLS: EXPANDING SE THROUGH PARTNERSHIPS
The Kentucky Green & Healthy Schools program is expanding environmental and sustainability education through unique partnerships and funding mechanisms. This session will highlight a variety of student-led projects that save both money and energy at Kentucky Schools.
Presenter(s): Merin Roseman (Kentucky Environmental Education Council)
EE Goes to School  IP, SE

4:00 PM - 4:40 PM  RCC 302B
LEADERSHIP ROUNDTABLE BUILDS CAPACITY IN MID-ATLANTIC REGION
Join the Pennsylvania Association for Environmental Education and other EE leaders from EPA Region III in a discussion/presentation on the benefits of building a regional network. This project focused on cultivating state leaders to help states develop environmental literacy plans.
Presenter(s): Ann Regn (Virginia Office of Environmental Education)
Network and Leadership Development  NCLI

4:00 PM - 4:40 PM  RCC 306C
SUSTAINABILITY AND ENVIRONMENTAL/SUSTAINABILITY EDUCATION IN CUBA
World Wildlife Fund claims that only one nation – Cuba – currently is living sustainably. Struggling with poverty, the U.S. embargo, and devastating annual hurricanes, how did Cuba achieve this distinction, and how does it employ EE/SE as part of its sustainability initiatives?
Presenter(s): Thomas Hudspeth
Environmental Justice  SE

4:00 PM - 4:40 PM  RCC 306B
THE ADVANCED INQUIRY PROGRAM (AIP): PARTNERING FOR CONSERVATION EDUCATION
The AIP offers a pioneering graduate degree co-delivered by some of the nation’s premiere community and informal-learning-institutions (Chicago Zoological Society, Cincinnati-Zoo & Botanical Garden, Cleveland Metroparks-Zoo, and Woodland Park-Zoo) providing exceptional local resources to an unprecedented national partnership.
Presenter(s): Jose Pareja (Miami University – Project Dragonfly)
Network and Leadership Development  YP, IP

4:00 PM - 5:30 PM  Marriott Congressional B
SCHOOLYARD ACTION NETWORK  Meeting
Presenter(s): Carolyn Kolstad (U.S. Fish and Wildlife Service)
Invitation only meeting

4:05 PM - 4:50 PM  RCC 305B
DIRT! THE MOVIE – Film Presentation
The story of Earth’s most valuable and under-appreciated source of fertility, from its miraculous beginning to its crippling degradation. Four billion years of evolution have created the dirt that recycles our water, gives us food, provides us shelter.
Presenter(s): Winnie Scherrer (Bullfrog Films)
 Conservation Education  IT, SE

4:30 PM - 4:50 PM  RCC 203
CONNECTING DIVERSE COMMUNITIES TO HAWAII’S NATURAL RESOURCES
The Hawaii Division of Forestry and Wildlife staff will share experiences that successfully integrate traditional ecological knowledge and place-based environmental education across disciplines to strengthen the communities’ connectedness to Hawaii’s diverse natural and cultural resources.
Presenter(s): Michelle Jones (Division of Forestry and Wildlife - Hawaii Environmental Education Alliance)
Environmental Issues in EE  DV, IP
4:30 PM - 4:50 PM     RCC 202
HOW TO DRAW A "MAP" FOR ENVIRONMENTAL EDUCATION
For its 20th anniversary, the Japanese Society of Environmental Education attempted to systematically organize the EE achievements accumulated in Japan. This session explores the meaning of “mapping out” EE practices and research to provide a theoretical basis for environmental educators.
Presenter(s): Shinichi Furihata (Tokyo University of Agriculture and Technology), Hiromi Kobori (Environmental and Information Studies, Tokyo City University), Sachi Ninomiya-Lim (Tokyo University of Agriculture and Technology), Rikuo Muramatsu (Musashino University), Akira Ogihara (Faculty of Education, Mie University), Osamu Abe (Rikkyo University)

Network and Leadership Development    IT, RE

KEYNOTE PRESENTATION
Speaker to be announced
5:00 PM - 6:30 PM – Ballroom B&C

Exhibit Fair Grand Opening
6:30 PM – 8:30 PM – Exhibit Hall A
See page 45 for all the details

Celebrate Earth with the Arts
8:30 PM – 10:00 PM – RCC Mezzanine
Music, crafts, painting, stories, songs, etc. – the Arts inspire learners and promote excellence in EE. Join local singers Jewelsong, renowned storyteller Doug Elliott, and other talented NAAEE participants, at the close of the Exhibit Hall.

Movie Time! – RCC 305B
9:00 PM - 9:30 PM
YOUNG VOICES ON CLIMATE CHANGE FILMS: EMPOWERING, INSPIRING SUCCESS STORIES
Produced by Lynne Cherry (The Great Kapok Tree), the Young Voices on Climate Change short films present stories of youth, 11-17, finding solutions to the global warming crisis, reducing home and community CO2 emissions and saving schools lots of money.
Presenter(s): Lynne Cherry (Young Voices on Climate Change)
Climate Change Education    IP, SE

9:30 PM - 10:45 PM
GREEN FIRE: ALDO LEOPOLD AND A LAND ETHIC FOR OUR TIME
The first full-length, HD documentary film ever made about legendary environmentalist Aldo Leopold, Green Fire highlights Leopold’s extraordinary career, tracing how he shaped and influenced the modern environmental movement. http://www.greenfiremovie.com/ 
Presenter(s): Buddy Huffaker (Aldo Leopold Foundation)
Conservation Education    AR, IP

A bright future for EE
Have you put NAAEE in your will?
THURSDAY POSTER SESSIONS

6:30 PM - 8:30 PM    Exhibit Hall A
See full descriptions, strands and threads in the online program
http://convention2.allacademic.com/one/naaee/naaee11/

2011 NAAEE CONFERENCE SERVICE-LEARNING—ENGAGING PARTNERS, EMPOWERING YOUTH
Presenter(s): Frank McKay (EENC Member), Elizabeth Henry (Earth Force) and students from Exploris M.S., Raleigh, NC

A COMMUNITY OF CHANGE AND THE ENGINE THAT SUSTAINS IT
Presenter(s): Atziri Ibanez (NOAA National Estuarine Research Reserve System (NERRS))

A MODEL OF PARTNERSHIP BETWEEN FORMAL AND NONFORMAL EDUCATORS
Presenter(s): Joy James (Appalachian State University), Lisa Gross (Appalachian State University), Jennifer Geib (Appalachian State University)

AN AUTHENTIC LEARNING ENVIRONMENT – THE FARM
Presenter(s): Pia Smeds (MTT - Agrifood Research Finland, University of Oulu), Eila Jeronen (University of Oulu)

AN OUTDOOR CLASSROOM’S IMPACT ON STUDENT PERCEPTIONS OF NATURE
Presenter(s): Holly Stuart (Winthrop University), Marsha Bollinger (Winthrop University)

BARBADOS WITH THE FUTURE CENTRE TRUST: ENVIRONMENTAL EDUCATION IN THE TROPICS
Presenter(s): Lani Edghill (Future Centre Trust)

BENEFITS OF INTEGRATING TECHNOLOGY IN DEVELOPMENTAL ENVIRONMENTAL EDUCATION
Presenter(s): Cheston Saunders (West Virginia University)

BEYOND THE CHOIR: EXAMPLES TO MOBILIZE CLIMATE MITIGATION AND STEWARDSHIP
Presenter(s): Margaret Mooney (UW-Madison)

CHILDREN’S ENVIRONMENTAL EDUCATION VIDEO WITH SUPPLEMENTARY PEDAGOGICAL TOOLS
Presenter(s): Fatima Viteri (Catholic University of Leuven, Belgium)

CITIZEN SCIENCE: A HERPETOLOGICAL SURVEY OF THE HAVENS WILDLIFE REFUGE
Presenter(s): Michael Bentley (University of Tennessee)

COLLABORATION AMONG ASIAN AND AFRICAN UNIVERSITIES: DEVELOPING FIELD-ORIENTED ENVIRONMENTAL LEADERS
Presenter(s): Sachi Ninomiya-Lim (Tokyo University of Agriculture and Technology)

CONSIDERATION OF FACTORS INFLUENCING NATURE OBSERVATION-BASED AWARENESS OF STUDENTS
Presenter(s): Masakazu Goto (National Institute for Educational Policy Research of Japan)

CURRENT PRACTICES AND NEEDS IN EVALUATING RESIDENTIAL ENVIRONMENTAL EDUCATION CENTERS
Presenter(s): Nicholas Bourke (Auburn Montgomery)

DEVELOPMENT AND EVALUATION OF LEARNING MATERIALS BY GOVERNMENT/UNIVERSITY/NPO
Presenter(s): Shota Wada (Waseda University Graduate School of Environment and Energy Engineering, Japan)

DISCOVERY ROOM: A CASE STUDY OF ENGAGING NONFORMAL EE
Presenter(s): Sarah Safley

DISTANCE EDUCATION TO FOSTER ECOLOGICAL WISDOM WITH LIMITED ECOLOGICAL FOOTPRINT
Presenter(s): Dann Sklarew (George Mason University)

EFFECTS OF AN ART-BASED ENVIRONMENTAL EDUCATION PROGRAM ON CHILDREN’S ENVIRONMENTAL ORIENTATIONS
Presenter(s): Lincoln Larson (University of Georgia), Ami Flowers (University of Georgia)

ENGAGING CITIZEN SCIENTISTS THROUGH ONLINE TRAINING IN MARINE MONITORING
Presenter(s): Lisa Eller (CNMI Division of Environmental Quality)

FINDING CONSISTENT PREDICTORS OF POSITIVE EE OUTCOMES: A LITERATURE REVIEW
Presenter(s): Bethany Mutchler (Virginia Tech), Marc Stern (Virginia Tech), Robert Powell (Clemson University), Dawn Hill (University of Arizona)

“FLOW” IN THE UNDERGRADUATE CONSERVATION EDUCATION CLASSROOM
Presenter(s): Michael Everett (Michigan State University)
INCREASING COMMUNITY PARTICIPATION IN SEA TURTLE CONSERVATION  
Presenter(s): Karen Clark (NC Wildlife Resources Commission)

INCREASING TEACHER CLIMATE LITERACY USING CONTEXT-BASED STRATEGIES  
Presenter(s): Theresa Schwerin (Institute for Global Environmental Strategies), Robert Myers (IGES)

LEAF CRITTERS® - SEE THE TREE™ & BE-LEAVE™  
Presenter(s): Susan Grewell (Leaf Critters LLC)

LEED BUILDING ENCOURAGES NEW TEACHING IDEAS  
Presenter(s): Jeanine Huss

LIVING THE HIGH LIFE IN THE AMAZON WITH DR. MEG LOWMAN  
Presenter(s): Meg Lowman (NC Museum of Natural Sciences), Christa Dillabaugh, (Environatura), Frances Gatz (Environmental Expeditions)

LOOKING FOR A NEW AUDIENCE? CHECK OUT YOUR PUBLIC LIBRARY!  
Presenter(s): Lynn Cole (Queens Library Children's Library Discovery Center)

OUTDOOR CLASSROOM CLEANS COMMUNITY'S WATER  
Presenter(s): Gail Hughes (Orange Co. Soil & Water Conservation)

PATHWAYS TO GREEN CAREERS: A COURSE FOR HIGH SCHOOL STUDENTS  
Presenter(s): Kenneth O’Brien (Columbia Springs)

PLAY IN ENVIRONMENTAL EDUCATION: CONNECTING CHILDREN WITH NATURE THROUGH PLAY  
Presenter(s): Linda Kinney (North Carolina Zoo)

PRE-INCA ARCHEOLOGY OF PERU: PALEO-INDIANS IN THE PALEO CLIMATE  
Presenter(s): Marsha Alibrandi (Fairfield University)

PROMOTING CLIMATE AND ENERGY LITERACY AMONG STUDENTS IN AN EXTRACURRICULAR SETTING  
Presenter(s): Dana Haine (University of North Carolina at Chapel Hill), Jonathan Frederick (North Carolina Science Festival, Morehead Planetarium and Science Center)

RAISE A FLAG AT YOUR SCHOOL FOR AIR QUALITY AWARENESS  
Presenter(s): Donna Rogers (U.S. EPA)

SEA2SOUND WALKING FIELD TRIP: PROMOTING ECOSYSTEM AWARENESS IN 5TH GRADERS  
Presenter(s): Rhana Paris (NC Aquarium on Roanoke Island)

SEARCHING FOR SUNSHINE IN THE CLASSROOM  
Presenter(s): Joya McMurray (Mary Baldwin College)

SHOULD WE USE WOOD FOR ENERGY? A HIGH SCHOOL EDUCATION PROGRAM  
Presenter(s): Annie Oxarart (University of Florida), Martha Monroe (University of Florida), Jessica Tomasello Ireland

STUDENT INTERNSHIP OPPORTUNITY IN ALASKA  
Presenter(s): Alicia Rinaldi (University of Florida)

TAKE A CHILD OUTSIDE WEEK: HELP RECONNECT CHILDREN AND NATURE  
Presenter(s): Elizabeth Baird (North Carolina Museum of Natural Sciences)

TEACHERS’ ATTITUDES TOWARD AN OUTDOOR EDUCATION FIELD TRIP  
Presenter(s): Michelle Weibel (Public Lands Institute - UNLV)

THE BIRD EDUCATION ALLIANCE FOR CONSERVATION (BEAC)  
Presenter(s): Bob Petty

UNDERGRADUATE STUDENTS’ LEVEL OF INTEREST IN AGRICULTURAL TOPICS  
Presenter(s): Stephanie Hall

USING ART IN ENVIRONMENTAL EDUCATION EVALUATION  
Presenter(s): Ami Flowers (University of Georgia), Lincoln Larson (University of Georgia)

USING ENVIRONMENTAL JUSTICE MAPS AS ANTICIPATORY SETS  
Presenter(s): Andrea Moore

WARREN WILSON COLLEGE ENCOURAGES STUDENTS TO TACKLE CLIMATE CHANGE EDUCATION  
Presenter(s): Hilary Sullivan (Warren Wilson College), Octavia Sola (Warren Wilson College), Stan Cross (Warren Wilson College)

WHICH CHARACTERISTICS CONSISTENTLY LEAD TO POSITIVE OUTCOMES IN LIVE INTERPRETATION?  
Presenter(s): Kevin McLean (Virginia Tech College of Natural Resources and the Environment), Marc Stern (Virginia Tech)

YOUNG CITIZEN SCIENTISTS TRACK TURTLES AT THE LAKE RALEIGH AREA  
Presenter(s): Juliana Thomas (Exploris Middle School)
Our Earth, Our Choice, Our Future

MASTERS DEGREE IN ENVIRONMENTAL EDUCATION

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In addition to more than 60 exhibitors who have inspiring resources for you, a wide range of other events beckons you into the exhibit hall.

**Exhibit Fair Schedule – RCC Exhibit Hall A**

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**Thursday – October 13**

3:30 PM – 8:30 PM Exhibit Hall Open

6:30 PM – 8:30 PM Exhibit Fair Grand Opening

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**Friday, October 14**

8:00 AM – 3:00 PM Exhibit Hall Open

8:00 AM – 10:00 AM Continental Breakfast Buffet

11:45 AM – 1:45 PM Authors’ Corner

12:00 PM – Silent Auction Ends

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**Thursday Highlights**

- Meet the candidates for the NAAEE Board at the NAAEE booth and ask about their plans for the association’s future.
- Meet NAAEE Special Interest Group members and find out how you can get involved.
- Interact with poster presenters.
- Share a delectable dinner buffet of locally-grown food.

**Friday Highlights**

- Breakfast in the exhibit hall. Bring your NC reusable, handcrafted bowl to fill up on fruit, yogurt and granola.
- Purchase lunch from the concession stands featuring locally grown items to support local farmers and ranchers.
- Free desserts!
- Meet authors including NAAEE members and North Carolina’s finest in the Authors’ corner. Purchase their books from the exhibit hall bookstore run by Quail Ridge Books and staffed by EENC members, and get the authors to sign them for you.

**Authors:**

- Wendy Banning, Michael Bentley; Herb Broda; Michael Caduto; Lynne Cherry; Amy Cutter-Mackenzie; Larry Early; Ellen Frankenstein; Jennifer Frick-Ruppert; Tim Grant; Sarah Haines; Richard Halttunen and Sharon Gaston; Bob Jickling; Richard Jurin; Joseph Kerski; Pamela Kirby; Martha Monroe; Debbie Moose; Orrin Pilkey and Mary Edna Fraser; Anne Marshall Runyon; Mike Schafale and David Blevins; Al Stenstrup; Andy Wood

**WILLIAM B. STAPP STUDENT SCHOLARSHIP AUCTION**

Visit the Silent Auction to bid on a variety of items including unique NC crafts, contributions by conference participants and donations from many EE supporters. Auction proceeds provide scholarships for college students to attend the conference next year in Oakland, CA. Bidding closes on Friday at NOON. Purchases must be paid for at the NAAEE booth and picked up no later than 3:00 PM. Unclaimed items will be retained by EENC for future fundraising efforts.

**ARTISTS’ CORNER: HANDMADE CREATIONS**

Visit seven featured artists and take home a meaningful treasure to commemorate your Carolina experience. Choose from glass, beaded and recycled jewelry, pottery, natural fiber paper and drawings, recycled tote bags, re-purposed pieces and more. Several things make great stocking stuffers!

**AFFILIATE WELCOME**

*Organized by Brenda Metcalf and Deborah Miller*

After the buffet dinner, “travel” from state to state and some Canadian provinces as well, learning about the NAAEE Affiliate Network while sharing petite desserts and grand local program ideas. Some Affiliates will bring a taste of home, while others will have a local offering from NC. Many Affiliates display a basket representing their home, to be auctioned to benefit the NAAEE Stapp Scholarship fund. The Affiliate basket that receives the highest bid gives that Affiliate bragging rights for the entire year. Come help make your Affiliate basket a success!
AUTHORS CORNER


3. Michael Schaferle and David Blevins – *Wild North Carolina: Discovering the Wonders of our State's Natural Communities*, UNC Press, 2011. Michael is a community ecologist for the NC Natural Heritage Program and is a co-author of the Natural Communities of North Carolina, 3rd Approximation. David Blevins is a nature photographer and forest ecologist.


6. Pamela Kirby – *What Bluebirds Do*, Boyds Mill Press, Inc., 2009. (Children's book about bluebirds.) Pamela is a North Carolina nature photographer whose work has been published in many magazines and websites such as Nature Photographer, Birder's World and the National Wildlife Federation. She has won many awards for her photography including the Grand Prize in the Birder's World Photo Contest.

7. Richard Halttunen and Dr. Sharon Gaston – *Turtle without a Home*, Creative Minds Publications, 2010. (Children's book about a red-bellied turtle that makes his home in a school garden.) Richard has been a public school teacher for 20 years and Dr. Gaston is a reading specialist in northern Virginia and a professional storyteller.

8. Lynne Cherry – *How We Know What We Know about Our Changing Climate*, Dawn Press, March 2008. Lynne has written and illustrated many environmental books for children and youth including *The Great Kapok Tree* and *A River Ran Wild*. She is now also a movie producer and has done a series called Young Voices on Climate Change, which conference attendees can view.

9. Wendy Banning – *Lens on Outdoor Learning*, Red Leaf Press, 2011. Wendy is director and co-developer of Irvine Learning Farm & Nature Center, an outdoor learning program sited on the Triangle Land Conservancy's 269-acre Irwin Nature Preserve (Chapel Hill, NC). Irvine Learning Farm offers programs for children of all ages that are interest-led and environmentally- and seasonally-based. All programs are held entirely outdoors. Wendy was also a primary photographer in *A Place for Play*, edited by Elizabeth Goodenough, 2008, National Institute for Play.

10. Dr. Sarah Haines – *Inside-Out. Environmental Science in the Classroom and Field, Grades 3-8*, NSTA Press, March 2010. Dr. Haines is the director of the Center for Science and Mathematics Education at Towson University, Maryland.

11. Dr. Orrin Pilkey and Mary Edna Fraser – *Global Climate Change: A Primer*, Duke University Press, June 2011. Dr. Pilkey, Professor Emeritus of Earth Sciences at Duke University, has written many books about coastal geology. Batik artist, Mary Edna Fraser, works in conjunction with him to study the changes in shorelines along the Southeast coast and to share scientific information to both educate and inspire. (Conference goers can also meet Dr. Pilkey and Mary Edna Fraser at the NC Museum of Natural Sciences on Friday night.)

12. Debbie Moose – *Fun Fare: A Playbook of Great Recipes for Tailgating or Watching the Game at Home*, The Harvard Common Press, 2007. Debbie is the author of the award-winning “Sunday Dinner” column and four cookbooks. Debbie lives in Raleigh and writes two food related columns for the News & Observer. She also authors the blog “Moose Musings” where she talks about life, the South, and anything you can put in your mouth!

13. Tim Grant – This year, Tim has brought us five of the latest Green Teacher books: *Teaching about Climate Change; Greening School Ground; Teaching Green: The Elementary Years; Teaching Green: The Middle School Year; and Teaching Green: The High School Years*. Green Teacher co-published all five with New Society Publishers, but is now the sole supplier of the first two.


16. Michael Caduto – *Catch the Wind, Harness the Sun*, Storey Publishing, 2011. Michael is an author, storyteller, ecologist and musician. He is the creator and co-author of the international best-selling Keepers of the Earth series and Native American Gardening. He also wrote *Earth Tales from Around the World, Pond and Brook, Riparia's River*, and many other books on the power of nature.

17. Amy Cutter-Mackenzie – editor of *Experiencing Environment and Place through Children’s Literature*, published June 2011 by Routledge. This collection brings together original international research-based chapters to explore the role of children's literature in learning about environments and places, with a focus on how literature may inform and enrich imagination, experiences and responses to environmental challenges and injustice. Amy is editor of the Australian Journal of EE and on the faculty of Monash University.

18. Martha Monroe – *Working Toward Sustainability: Ethical Decision Making in a Technological World*, John Wiley & Sons, 2011. (Martha is one of five co-authors.) We hope this new book will be in print by conference time and, if so, this will be the first time it's offered for sale! Dr. Monroe is a professor of environmental education and an extension specialist at the University of Florida.


21. Al Stenstrup – *Diminishing Resources: Forests*, Morgan Reynolds Publishing, 2010. Al is a former middle school science teacher and is director of education programs at the American Forest Foundation. He has conducted workshops in many different countries and includes global examples of student action projects in his book.

22. Bob Jickling – *Environmental Education, Ethics, and Action: A Workbook to Get Started*. Nairobi: UNEP, 2006. (Bob is one of several co-authors.) Dr. Jickling is a member of the faculty at Lakehead University in Thunder Bay, Ontario. He has been involved with issues in education, EE, and environmental ethics for more than 20 years. He founded the Canadian Journal of Environmental Education in 1996 and has been a long-serving steering committee member for the Canadian Network for EE and Communication.
Organizations listed in **bold** are sponsors. Please give them an extra “thank you” for all their support for the NAAEE 40th Anniversary Conference!

**Booth Organization**

100 Bullfrog Films  
101 PASCO scientific  
102 **Environmental Educators of North Carolina**  
103 **Progress Energy**  
104 2012 NAAEE Conference - Oakland, CA  
105 **NC Museum of Natural Sciences**  
106 Project Look Sharp, Ithaca College  
107 Merry Lea ELC of Goshen College  
110 Montreat College  
111 Wildlife Habitat Council  
112 Antioch University  
113 We Add Up  
114 NC A&T State University  
115 McDonald and Woodward Publishing  
116 Earth Day Network  
117 Hawai‘i Environmental Education Alliance  
118 Project WET  
119 Children’s Environmental Literacy Foundation  
120 St. Croix East End Marine Park  
121 Markel Corporation  
122/4 **Spillman Photography**  
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200 National Council for Geographic Education  

**Booth Organization**

201 Project Learning Tree  
202 Badgetec  
203 PLT Forest Boxes  
204 **National Theatre for Children**  
205 North Carolina Big Sweep  
207 The GLOBE Program  
210 The University of North Carolina Press  
212 Routledge Journals  
213 Keep America Beautiful  
214 Earth Partnership for Schools – UW Madison Arboretum  
215 Earth Science Information Partners  
216 The Forest Foundation  
217 Tremont Institute  
218 Youth Service America  
219 Green Schools National Network  
220 Project for Excellence in Environmental Education  
221 **Wake County Parks, Recreation & Open Space**  
222/4 **NAAEE**  
223 National Environmental Education Foundation  
225 NAAEE Affiliate Network  
300/2 U.S. Fish and Wildlife Service  
301/3 USDA Forest Service

**Booth Organization**

304 Spy on a Bird  
305 NASA Global Climate Change Education  
306 Carolina Biological Supply  
307 KidWind Project  
311 Environment for the Americas  
312/4 **NOAA**  
313 The Scrap Exchange  
315 Triangle ReUse Alliance  
316 **PBS**  
317 Duke Energy  
318 Arts Showcase  
319 Artists’ Corner  
320 **Nature’s Path Organic**  
322/4 U.S. Environmental Protection Agency  
401 NC Office of Environmental Education & Public Affairs  
402 Young Voices on Climate Change  
403 Association of Professional Humane Educators  
404 Donated to NC group  
405 **Courtesy of Columbia Sportswear**  
406 Donated to NC group  
407 **Courtesy of Columbia Sportswear**  
408 Donated to NC group  
409 Nature Explore  
410 Silent Auction
7:00 AM – 8:00 AM Downtown Walking Tours – Meet in the RCC Grand Lobby
7:00 AM – 8:00 AM Morning Yoga – Marriott University AB
7:30 AM – 9:00 AM Moore Square Magnet Middle School Garden Tour
7:30 AM – 8:30 AM Meet the Chef! – RCC 402
7:30 AM – 8:45 AM CATS meetings – various RCC rooms
8:00 AM – 10:00 AM Continental Breakfast – RCC Exhibit Hall A
8:00 AM – 11:30 AM NAAEE Staff Office Open – Marriott Chancellor Room
8:00 AM – 2:00 PM Marketplace – RCC Mezzanine
8:00 AM – 7:00 PM Conference Registration Desk Open – RCC Grand Lobby
8:30 AM – 9:15 AM Exploris Middle School tour
9:00 AM – 11:40 AM Concurrent Sessions
9:00 AM – 5:00 PM Science Café – RCC Mezzanine
11:45 AM – 1:45 PM Authors’ Corner – RCC Exhibit Hall A
12:00 PM Silent Auction Closes in Exhibit Hall A
1:30 PM – 5:00 PM NAAEE Staff Office Open – Marriott Chancellor Room
2:15 PM – 4:55 PM Concurrent Sessions
5:30 PM – 9:00 PM “A Night at the Museum” – NC Museum of Natural Sciences
7:00 PM – 7:30 PM Stapp Scholarship Live Auction – NC Museum of Natural Sciences
7:30 PM – Multi-Cultural Dine-Around – meet in museum following auction
10:30 PM – 11:55 PM Late Night Sing Along – Marriott Congressional A

TURTLE TIP: NAAEE’s conference office is where you go to pay for registration if you have not pre-registered, add a field experience, workshop or meal, or buy a water bottle, mug, or NAAEE t-shirt. You’ll want the t-shirt for sure – it contains a QR code from Anvil, the shirt maker, that is your Smartphone access to lots of additional inside information about the conference.

ARKive, a FREE educational resource, is urgently raising awareness about the plants and animals most at risk of extinction.
You can help by:
• Exploring and sharing www.ARKive.org in the classroom
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• Spreading the word about ARKive on Facebook, Twitter, and YouTube

Wildscreen USA is a 501(c)3 non-profit and is proud to be spearheading ARKive in the US
FRIDAY HIGHLIGHTS

Downtown Walking Tours
7:00 AM – 8:00 AM – Meet in the RCC Grand Lobby

Geology: Rockin’ Walkin’ Tour
This tour explores varied rocks, from near and far, historical to modern, used to make a forest of downtown buildings. Learn about geology, the rock cycle and a gneiss (nice) rock that makes up the original state capitol building.

Urban Birding
What will you spot? Pigeons, raptors and swifts and ???

Meet the Chef! – 7:30 AM – 8:30 AM, RCC 402
Hear Centerplate’s chef talk about the caterer’s involvement in the NC 10% campaign as a result of our conference.

CATS Meetings – 7:30 AM – 8:45 AM
Arts and EE Special Interest Group – RCC 307
Sustainability Education Special Interest Group – RCC 306C
Environmental Justice Special Interest Group - RCC 305A

Moore Square Museums Magnet School Garden Tour
7:30 AM – Meet at Registration Desk in RCC Grand Lobby.
Walk four blocks to the school where students will describe their award-winning garden and the partnerships that make it possible.

Continental Breakfast
8:00 AM – 10:00 AM, RCC Exhibit Hall A
Here’s an incentive for you to get up in time for breakfast and the earliest sessions! Nature’s Path has donated granola to be paired with NC yogurt and fresh local fruit from the nearby NC Farmers’ Market. Purchase a handmade, reusable bowl from the Welcome to North Carolina table in the Grand Lobby for a unique souvenir of the Raleigh Conference.

Exploris Middle School – Education for a Sustainable World
8:00 AM – Meet at Registration Desk in RCC Grand Lobby. Travel by free bus (R-line) to the school for a tour from 8:30 AM – 9:15 AM. Return to RCC by 9:30 AM. EMS is a model of progressive, student-centered learning. Come see interdisciplinary, project-based learning in action. http://www.explorismiddleschool.org

Science Café
9:00 AM – 5:00 PM, RCC Mezzanine
Meet EE experts and other young environmental educators in the Science Café & Marketplace. Look for signs at the café with the full schedule of events on Thursday and Friday.

Authors’ Corner
11:45 AM - 1:45 PM, RCC Exhibit Hall A
See list of authors on page xx and a list of their books using your Smartphone to access the QR code on your NAAEE t-shirt provided by Anvil. The Exhibit Hall concession stand will offer lunch for sale from Farmhand Foods, North Carolina farmers who raise their animals humanely, without the use of antibiotics or added hormones. http://www.farmhandfoods.com/

CATS Meetings
11:45 AM – 1:45 PM
EE Advocacy Committee – RCC 306B
Urban EE Special Interest Group – RCC 305B
Sustainability Education Special Interest Group – RCC 402

12:30 PM – 1:30 PM
Diversity Committee – RCC 202

Special Session: A Conversation about Our Energy Future
1:00 PM - 2:00 PM, RCC Ballroom B&C
Our society wants more electronics, cool air conditioning and winter heat. We like cold drinks, hot food, luxury cars and huge houses. Learn how emerging energy sources, new technologies, and environmental education can provide balanced solutions to our growing energy needs.

The Geodome: Marine Mammals: Immersed in Change
2:00 PM – 4:00 PM
What’s that inflating in the RCC Grand Lobby? The Geodome, an immersive theater, presents information about climate change and marine mammals.

“A Night at the Museum”
5:30 PM – 9:00 PM, NC Museum of Natural Sciences
The Live Auction portion of the Stapp Scholarship fundraiser is from 7:00 PM – 7:30 PM at the museum. A number of special events have been arranged specifically for NAAEE conference participants. Snack on cheeses donated by Cabot Creamery and local seasonal fare arranged on three different floors while you browse the exhibits.

Multi-Cultural Dine-Around
7:30 PM, Meet in RCC Science Café
Meet in RCC at the Science Café to explore Raleigh’s abundance of multicultural cuisine. We are planning to treat our taste buds to dishes from around the world as we do a ‘restaurant hop’. This will be a relaxed, informal event that allows people to socialize and experience diversity in a different way. Please join us!

Late Night Sing Along
10:30 PM – 11:55 PM, Marriott Congressional A
Bring your instruments, your songbooks, your voices, your enthusiasm for this very casual self-directed jam session—a long-time NAAEE tradition. There’s no “leader” here – whoever shows up to sing is in charge.
FRIDAY SESSION DESCRIPTIONS

9:00 AM - 9:20 AM  RCC 202
ENVIRONMENTAL ATTITUDES OF CHILDREN IN CHINA
Situated in the context of school-based EE in China, this presentation aims to provide the audience in the international EE community with a specific picture concerning the attitudes of children toward the environment and recent environmental issues in China.
Presenter(s): Lingqiong WU (City University of Hong Kong)
Environmental Issues in EE  IN, RE

9:00 AM - 9:40 AM  RCC 205
A MYRIAD OF TROUT-TASTIC EE IDEAS! – WOLF CREEK NFH
From Questing to family nature clubs to the Biologist-in-Training Program, Wolf Creek National Fish Hatchery offers a bevy of engaging programming using a small staff and budget! Attend this session and gain new activities and ideas for your own program.
Presenter(s): Amanda Patrick (USFWS Wolf Creek Natl. Fish Hatchery)
Conservation Education  IP

9:00 AM - 9:40 AM  RCC 302C
BIRDS OF A FEATHER: REACHING DIVERSE COMMUNITIES THROUGH LOCAL ENGAGEMENT
Audubon New Mexico has successfully reached diverse communities by developing the inquiry-based, hands-on curriculum Birds of a Feather Explore Together. This curriculum connects diverse populations to nature through an understanding of the culture significance of birds within each population.
Presenter(s): Amy Roberts
Conservation Education  DV, IP

9:00 AM - 9:40 AM  RCC 206
CAN OUTDOOR EXPERIENCES DETERMINE INTEGRATION OF ENVIRONMENTAL EDUCATION IN THE CURRICULUM?
This presentation shares the outcomes of a research study. The study found that significant life experiences in early childhood do impact the perspective of these teachers towards the environment. They were more likely to integrate EE activities in their curriculum.
Presenter(s): Sabihah Daudi (Northern Illinois University)
EE Goes to School  YP, NCLI

9:00 AM - 9:40 AM  RCC 306B
COMMUNITY GARDEN CONNECTIONS: WORKING TOWARD RESILIENCE AND JUSTICE THROUGH COLLABORATION
Community Garden Connections in Keene, NH is a community-university initiative addressing food security in the face of climate change. Presenters will describe this initiative’s collaborative approach, evaluation, challenges and successes, and invite input for future program directions.
Presenter(s): Susan Baron, Libby Weiland, Libby McCann, Tania Schusler
(Antioch University New England)
Environmental Justice  IP, SE

9:00 AM - 9:40 AM  RCC 301B
ENVIRONMENT AS HEART OF INTEGRATED ELEMENTARY CURRICULUM: SOUTHWEST ACEQUIA CULTURE
Let’s explore how we can use environmental education, the NAAEE’s Guidelines for Excellence, and our state standards to guide integrated teaching in K-6 classrooms. Experience a unit on Acequias of New Mexico.
Presenter(s): Quincy Spurlin (University of New Mexico)
EE Goes to School  DV, SE
9:00 AM - 9:40 AM  RCC 301
ENVIRONMENTAL OUTREACH IN CANADIAN ARCTIC COMMUNITIES: NUNAVUT IMPACT REVIEW BOARD
Learn some unique and innovative solutions for engaging in trans-cultural environmental communication. Aliza Weller shares her perspectives from her work in the Canadian Arctic, with the Nunavut Impact Review Board.
Presenter(s): Aliza Weller (Intelligent Play/Nunavut Impact Review Bd.)
Environmental Justice

9:00 AM - 9:40 AM  RCC 304
EPA: GROWING THE NEXT GENERATION’S GREEN LEADERS, STEWARDS & PROFESSIONALS
Synergize, learn to establish, conduct or improve Environmental/Outdoor Education programs using EPA’s Student Environmental Development Program format. Develop action plans, explore examples, ideas, resources, funding, staffing, partnerships, diversity, equity, capacity building, curriculum development, delivery methods, underserved populations and community participation.
Presenter(s): Larry Brown (US EPA Mid-Atlantic Region), Drew Burnett (U.S. Fish and Wildlife Service)
Environmental Justice

9:00 AM - 9:40 AM  RCC 306A
INSTITUTIONALIZING ISSUE INVESTIGATION INTO UNIVERSITY COURSES THROUGH SERVICE LEARNING INITIATIVES
Western Kentucky University’s Center for Environmental Education and Sustainability is leading a three-year project to integrate issue investigation resulting in service learning into the environmental education graduate endorsement programs at four state universities in Kentucky. Come see what we’re doing!
Presenter(s): Terry Wilson (Western Kentucky University), Melinda Wilder (Eastern Kentucky University), Joseph Baust, Billy Bennett (Eastern Kentucky University), April Haight (Morehead State University)
Environmental Issues in EE

9:00 AM - 9:40 AM  402
INTERNATIONAL YEAR OF FORESTS: PLT TOOLS FOR TEACHING
Celebrate 2011 as United Nations-designated International Year of Forests by learning to teach about the significance of world forests using two new Project Learning Tree resources. Participants will explore this vital component of the Earth’s natural systems and receive PLT materials.
Presenter(s): Al Stenstrup (American Forest Foundation), Jackie Stallard (Project Learning Tree)
Environmental Issues in EE

9:00 AM - 9:40 AM  RCC 303
KNOW YOUR PLACE: TREMONT’S ADULT LEARNERS BUILD CONFIDENCE AND COMMUNITIES
Adult naturalist education is in popular demand in the Southern Appalachians. Though children can be the main focus of environmental education facilities, adults are visiting these centers as students too. Learn how to inspire community leaders through adult programming.
Presenter(s): Dawn Dextraze (Great Smoky Mountains Inst. at Tremont)
Conservation Education

9:00 AM - 9:40 AM  RCC 305A
OREGON NATIVE PLANT CURRICULUM: A MODEL FOR ADAPTING PLACE-BASED MATERIALS
Come join us to explore the design and implementation of an ecoregionally-based native plant curriculum. Learn how to use our format to create a place-based curriculum for your area to foster local school and community service connections.
Presenter(s): Jody Einerson (Institute for Applied Ecology)
Conservation Education

9:00 AM - 9:40 AM  RCC 302B
STUDENTS PROMOTE "A DOSE OF REALITY" EVERYDAY CHEMICALS AND WATERWAYS
Keep Pharmaceuticals and Personal Care Products out of waterways. Identify everyday products, toxins, contaminating waterways and drinking water. Discuss problems related to inadequate laws, outdated wastewater and drinking water treatment and personal habits. Share ways to address this issue.
Presenter(s): Pat Lupo (Earth Action)
Environmental Issues in EE

9:00 AM - 9:40 AM  RCC 306C
TEACHER PROFESSIONAL DEVELOPMENT: NATUREBRIDGE'S NEEDS ASSESSMENT AND PILOT PROJECT
Join leaders from NatureBridge as they describe the process of assessing their teacher professional development courses with the goal of making them more relevant and accessible to a broader diversity of local teachers.
Presenter(s): Anne Burnett (NatureBridge)
EE Goes to School

9:00 AM - 9:40 AM  RCC 307
THEY'RE SHORE BEAUTIFUL!: NATIVE PLANT CAMPAIGN SOWING SEEDS OF CHANGE
The Plant ES Natives campaign uses a social marketing approach to increase native plant use and migratory bird habitat on Virginia’s Eastern Shore. Steps used to develop and implement the campaign, including a “Community Leaders” training program will be shared.
Presenter(s): Virginia Wittmer (Virginia Coastal Zone Management Program/Virginia Department of Environmental Quality)
Conservation Education

9:00 AM - 9:40 AM  RCC 301A
UNDERSTANDING THE IMPACT OF AN ENVIRONMENTAL INQUIRY WASTE REDUCTION PROJECT
This study focused on students understanding of waste reduction before and after the implementation of an environmental inquiry project. Objectives for study: to investigate the influence of a hands-on waste reduction program and to add to the qualitative research literature.
Presenter(s): Linda Plevyak (University of Cincinnati)
EE Goes to School

9:00 AM - 9:50 AM  RCC 305B
THOMAS BERRY – THE GREAT STORY – Film Presentation
This documentary on the life and work of Thomas Berry, a pioneer in the field of spirituality and ecology unfolds the story of creation as sacred and reminds us that "we are not a collection of objects but a communion of subjects."
Presenter(s): Randolph Senzig (Wake Co. Schools)
Conservation Education
A SCIENTIST WALKS INTO A BAR … SCIENCE CAFES AND EE
Science cafes are fantastic formats for discussing environmental issues. By
drawing on the wisdom of café founders from around the globe, this ses-
tion will explore how to start, host, and evaluate cafes themed around EE.
Presenter(s): Jonathan Frederick (North Carolina Science Festival, More-
head Planetarium and Science Center)
Climate Change Education  DV, IP

CHILDREN’S FORESTS – CONNECTING YOUTH TO THE
OUTDOORS
The U.S. Forest Service has established a network of Children’s Forests
throughout the nation to ensure collective efforts that are strengthened,
coordinated and targeted, toward creating opportunities for our nation’s
youth and communities to connect with their public lands.
Presenter(s): Sue Cummings (US Forest Service)
Conservation Education  IP

CLIMATE CHANGE EDUCATION, LACKING ENERGY
Energy use represents the most significant cause of climate change, yet
energy efficiency is significantly under-represented in environmental
education. This presentation will discuss opportunities to make energy
efficiency an exciting, STEM-based component of EE
Presenter(s): Merrilee Harrigan
Climate Change Education  YP, SE

COMMUNITY EE: GUIDELINES FOR EXCELLENCE
This year Akiima Price and Bora Simmons will begin to craft guidelines
that speak to best practices in engaging learners in EE in their neighbor-
hood and homes. Participants are welcomed to share comments, ques-
tions, and suggestions in this information sharing session.
Presenter(s): Akiima Price (EECapacity Executive Team Member)
Network and Leadership Development  NCLI, SE

CREATING A LOCAL NETWORK TO RECONNECT CHILDREN TO
NATURE
The Arlington Children and Nature Network, a grassroots alliance
of organizations, agencies, individuals and businesses, was created to
encourage children to play outdoors and appreciate nature and wildlife.
This presentation will outline start-up strategies, successes and lessons
learned.
Presenter(s): Elenor Hodges (Arlingtonians for a Clean Environment),
Nancy Striniste (EarlySpace)
Network and Leadership Development  IP

CREEK FREAKS PROGRAM LEADER TRAINING
Take this workshop to become a trained leader for this nonformal sci-
ence education program that gets children ages 10-14 outside to explore,
monitor and protect local streams. Children share photos, stories and
data on-line and learn career options.
Presenter(s): Leah Miller (Izaak Walton League of America)
Conservation Education  YP, IP

CULTIVATING EDUCATION FOR SUSTAINABILITY IN WISCONSIN
Partners are facilitating a statewide process to develop a vision of and
gain input on Education for Sustainability (EfS) in Wisconsin schools.
This presentation will share and critically reflect on the steps and out-
comes of the process.
Presenter(s): Jeremy Solin (LEAF/Wisconsin Center for Environmental
Education), Jennie Lane (Wisconsin K-12 Energy Education Program),
Sunshine Buchholz (Wisconsin Center for Environmental Education)
EE Goes to School  IP, SE

DEVELOPING A STRONG ENVIRONMENTAL EDUCATION
COMMUNITY IN YOUR STATE
Learn how collaboration between North Carolina’s government, EE
centers, the state EE association, non-profits and colleges and universi-
ties successfully created a powerful network for environmental education
through statewide and regional efforts. Learn from our successes and
challenges along the way.
Presenter(s): Lisa Tolley (N.C. Office of Public Affairs), Renee Strnad
(North Carolina State University), Jesse Pope (Grandfather Mountain
Stewardship Foundation), Anne Taylor (Environmental Education Fund),
John Wear (Center for the Environment at Catawba College)
Network and Leadership Development  IP

DEVELOPMENT OF FRAMEWORK FOR ESD & ITS TEACHER
TRAINING PROGRAM
The National Institute for Educational Policy Research (NIER) developed
the innovative framework for Education for Sustainable Development
(ESD) and the Teacher training Center in Hiratsuka implemented its
teacher training program for prevailing ESD at school.
Presenter(s): Masakazu Goto (National Institute for Educational Policy
Research of Japan), Yasuhiko Okamoto
EE Goes to School  IP

EARTH CARE CONGREGATIONS: NATIONAL PRESBYTERIAN
INITIATIVE TAKES ROOT IN CAROLINA
Recognition of 21 Earth Care Congregations in 16 states has occurred
since this national program was established by the Presbyterian Church
(USA) in 2010. Case studies of three churches in North Carolina and
comparisons with other denominations are given.
Presenter(s): William Seaman (University of Florida)
Environmental Justice  IP, SE

ECOTHERAPY: HEALTHY LIVING HARNESSED BY THE
ENVIRONMENT
For many years the term “being one with nature” has been used in every
day conversations. Today, it has a new name, Ecotherapy. What is the im-
 pact of Ecotherapy, not only on Environmental Education, but on those
outside the Environmental bubble?
Presenter(s): Sarah Lundquist (Pine Jog EE Center/FAU), Susan Toth
Network and Leadership Development  IP, RE

EE IN ACTION: MENTORSHIP FOR ECOLOGICALLY-MINDED
HUNTERS
A case for the sustainability, ecological connectedness and place con-
scious pedagogical opportunities available through hunting for food
will be made. A model of mentorship including a canon of literature
for the development of mindful, environmentally aware hunters will be
proposed.
Presenter(s): Joel Pontius (University of Wyoming)
Environmental Justice  IP, SE

EFFECTIVE PROFESSIONAL DEVELOPMENT FOR TEACHERS:
BUILDING ON MODELS THAT WORK
MITS, a network of education organizations, provides professional develop-
ment for educators, promotes statewide EE initiatives/plans, and works
with MA DESE to identify best-practices for in-service PD. Learn how to
duplicate the MITS model and provide EE PD opportunities for teachers.
Presenter(s): Sandra Ryack-Bell (Museum Institute for Teaching Science)
EE Goes to School  SE
FOREST FAIRIES AND SEA SERPENTS: CONNECTING IMAGINATION TO EDUCATION
This presentation will explore how imagination and education can work together to teach conservation messages. Join staff from the North Carolina Aquarium at Pine Knoll Shores to discover ways to add imaginative elements to programs and investigate evaluation methods.
Presenter(s): Gail Lemiec (NC Aquarium at Pine Knoll Shores)
Conservation Education IP, NCLI

INTEGRATING VISUAL ART INTO ENVIRONMENTAL PROGRAMS THROUGH INNOVATIVE COMMUNITY COLLABORATIONS
Community collaborations, along with outdoor classrooms and art integration into nature programs provide participants with a multi-sensory learning experience. See how the art process becomes a component in environmental education and reinforces the objectives of the science or environmental specialist.
Presenter(s): Nora Morrie (Red Salamander Studios)
Conservation Education AR, IP

MAKING VIRTUAL ENVIRONMENTS WHILE STUDYING REAL ONES
Engaging students and their teachers in the creation of virtual representations of their local environment requires close study of those environments while producing resources that enable others to contrast their local environments with those around the globe.
Presenter(s): Carlyn Buckler (Paleontological Research Institution and its Museum of the Earth), Don Duggan-Haas (PRI & its Museum of the Earth), Robert Ross (Paleontological Research Institution)
Climate Change Education IP, SE

NATURE’S PARTNERS: POLLINATORS, PLANTS AND YOU
Discover the Nature’s Partners inquiry-based curriculum (3rd-6th grade). These hands-on, standards-based modules encourage investigative science through exploration, concept development and application. Flexible and adaptive, Nature’s Partners focuses on species (bees, butterflies, bats) that support our food supply and ecosystems.
Presenter(s): Thelma Redick (Wildlife Habitat Council)
Conservation Education IP, SE

NORTH CAROLINA’S EDUCATIONAL STATE FORESTS
NC Forest Resources operates seven Educational State Forests, to teach the public, especially school children, about the forest. The first ESF opened in 1976, the ESF program has become very popular, so popular teachers must make reservations months in advance.
Presenter(s): Chris Carlson (NC Division of Forest Resources)
Conservation Education IP, NCLI

OWNERSHIP WITH IMPACT: BUILDING COALITIONS, DEVELOPING CHANGE AGENTS THROUGH IDEAS
Analysis of capacity-building tools offers insights into how learner agency relates to skill development for solving sustainability engineering design problems in a program that leverages municipal and academic stakeholder interests through student service-learning projects that have real world impacts.
Presenter(s): Melanie DuPuis (UCSC)
Network and Leadership Development IP, RE

9:30 AM - 10:50 AM  FRIDAY ROUNDTABLE DISCUSSIONS  BALLROOM A

RECONNECTING URBAN, YOUTH AND NEW CANADIANS WITH THEIR NATIONAL STORIES
Parks Canada celebrates a century of world leadership in conservation and education. Learn how it strategically realigns its priorities toward cities, new audiences and media, to bring Canadians closer to their heritage, reverse declining visitation trends, and strengthen public support.
Presenter(s): Daniel Rosset (Parks Canada)
Environmental Issues in EE IP, IT

SCIENTISTS IN K-12 CLASSROOMS: FOCUSING ON A SCHOOL RIPARIAN ENVIRONMENT
University graduate students on an NSF grant, Transforming Minds in a Transitioning Community, spend 10 hours/week in three High Point, NC schools connected by a stream and a greenway, directing stream studies and examining historical changes in the community.
Presenter(s): Catherine Matthews
EE Goes to School NCLI

SURVEY SAYS?! USING SURVEYS TO COMMUNICATE YOUR MESSAGE
Traditional modes of communicating environmental issues often cannot overcome barriers such as apathy, fear of regulation, and distrust of science and government. Our experience shows that a simple survey can be a powerful tool for education and open, interested discourse.
Presenter(s): Jonathan Navarro (NC DENR / Division of Air Quality), Milli Hayman (NC DENR / Division of Air Quality)
Environmental Issues in EE IP, RE

THE CLIMATE LITERACY NETWORK: IMPROVING CLIMATE CHANGE EDUCATION NATIONWIDE
This network enables educators to learn from a diverse stakeholder community as they implement the Climate Literacy Essential Principles, improve climate change education, and enable informed decision-making. Learn how you can make use of our resources and/or get involved.
Presenter(s): Tamara Ledley (TERC)
Climate Change Education IP

TRANSFORMATIVE BUSINESSES HELP BUILD SUSTAINABLE PLACE
Many small and middle sized businesses are becoming transformative co-creators of the places in which they reside. Their responsibility reaches far beyond the bottom line to a new ethic of community sustainability. What makes them unique from business as usual?
Presenter(s): Richard Jurin (University of Northern Colorado)
Environmental Issues in EE BI, IP

YES – YOU CAN HAVE THAT NEW PROGRAM YOU’VE BEEN WANTING
Leaders today need to grow their earned income as the economy changes. A great way to do this can be through adding new programs – we will discuss ways to do this using best safety and risk management practices.
Presenter(s): Irene Jones (Markel Insurance Company), Michael Harding (Markel Insurance Company)
Network and Leadership Development IP
<table>
<thead>
<tr>
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**9:00 AM - 10:20 AM**

**CERTIFICATION 101: DEVELOPING AN EE CERTIFICATION PROGRAM**

Interested in organizing a certification program? Experienced certification program representatives will talk with you about how they determined what operational and administrative elements best suit the needs of their stakeholders. Find a model to help you develop your own program.

Presenter(s): Marty Wiggins (N.C. Office of EE and Public Affairs), Sarah Haines (Towson University), Katie Navin (Colorado Alliance for EE), Elizabeth Schmitz (Kentucky EE Council), Andree Walker (USEE), Brenda Weiser (University of Houston-Clear Lake)

**9:30 AM - 9:50 AM**

**ADOLESCENT PERCEPTIONS AND ATTITUDES TOWARDS INVASIVE SPECIES**

Results from a masters research project which utilized a before and after survey to assess high school students' attitudes and perceptions of invasive species as well as their level of connection with nature.

Presenter(s): Kyle Creelman, Brendon Larson (University of Waterloo) Conservation Education

**9:50 AM - 10:55 AM**

**SOLA: LOUISIANA WATER STORIES Film Presentation**

SOLA investigates how the exploitation of Southern Louisiana's abundant natural resources compromised the resiliency of its ecology and culture, multiplying the devastating impact of the BP oil spill and Hurricane Katrina. How was the gusher in the Gulf allowed to happen?

Presenter(s): Winnie Scherrer (Bullfrog Films)

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**ANALYSIS OF EE IN TEACHER PREPARATION PROGRAMS: SIMILARITIES AND DIFFERENCES**

This study, sponsored by the NAAEE Pre-service Advisory Board, offers a national perspective of teacher education programs and how they are approaching the infusion of EE into teacher education programs.

Presenter(s): Christine Moseley (University of Texas at San Antonio), Courtney Crim (Trinity University), Blanche Desjean-Perrotta

**10:30 AM - 11:20 AM**

**PUTTING A NETWORK “SPIN” ON THE COMPREHENSIVE EE PROGRAM “WHEEL”**

The “wheel” model of a comprehensive environmental education program has been updated to include new K-12, early childhood and higher education components, as well as strategies to deliver, track, measure and sustain a state/provincial comprehensive EE program.

Presenter(s): Abby Ruskey (EEAW)

**10:30 AM - 10:50 AM**

**UNLOCKING WILDLIFE CONSERVATION PLANS TO CREATE EDUCATION PROGRAMS THAT MATTER**

Are you committed to conservation outcomes from your education programs but unsure of priority issues in your area? Learn where to find existing resources and how to extract key conservation goals and turn them into programs that positively impact wildlife.

Presenter(s): Kacie Ehrenberger (Rocky Mountain Bird Observatory), Melissa Pitkin (PRBO Conservation Science)

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**HOW NAAEE LEADERS ARE/SHOULD BE NURTURED?**

Find out how past presidents got involved; learn their recommendations for recruiting and nurturing leaders; give your views on their perspectives. Come share your ideas to build involvement in NAAEE and find ways to grow our next generation of leaders!

Presenter(s): Lori Mann, Karen Hollweg (NAAEE Past President), Terry Wilson (Western Kentucky University), Martha Monroe (University of Florida), Joseph Baust (Murray State University Center for EE), Judy Braus (National Audubon Society), Augusto Medina (EETAP/UWSP), Joe Heimlich (Institute for Learning Innovation), David Wicks (Lincoln Foundation)

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11:00 AM - 11:40 AM  
RCC 306A  
EE AND ART: CREATIVE CONSERVATION IN WISCONSIN AND CUBA  
Children Are The Hope is an interdisciplinary EE program experience including a nature-based art exchange between Cuban and Wisconsin elementary students. This presentation explores the project model and current research measuring cognitive and affective impact on students in both countries.  
Presenter(s): Korie Klink (University of Wisconsin - Stevens Point) Conservation Education AR, IT

11:00 AM - 11:40 AM  
RCC 205  
EMERGING OPPORTUNITIES IN ACTION: THE GLOBAL FIELD PROGRAM (GFP)  
The GFP presents ground-breaking graduate opportunities focused on inquiry-driven-learning, conservation-education, and social change. It brings Master's degree candidates, scientists, educators, and community leaders together at conservation sites in Africa, Asia, Australia, and the Americas for firsthand experience with environmental stewardship.  
Presenter(s): Jose Pareja (Miami University - Project Dragonfly), Jill Korach Conservation Education IP, IT

11:00 AM - 11:40 AM  
RCC 302B  
ENVIRONMENTAL SERVICE-LEARNING: DIFFERENT FACES OF SUCCESS  
Environmental service-learning is a valuable tool for teaching content and citizenship skills. Despite variable time frames, group sizes, and school infrastructures, positive feedback from three projects is inspiring. Don't let the lack of ideal circumstances become a barrier!  
Presenter(s): Laurel McIvor (Eastern Kentucky University), Billy Bennett (Eastern Kentucky University), Andrea Drayer (Eastern Kentucky University) Environmental Issues in EE IP, SE

11:00 AM - 11:40 AM  
RCC 201  
EXPANDING THE CONVERSATION ON ENVIRONMENTALISM AND WORKING FOR ENVIRONMENTAL JUSTICE  
"Expanding the Conversation on Environmentalism and Working for Environmental Justice" is one of the top seven priorities identified by EPA Administrator, Lisa Jackson. EPA has begun a new era of outreach and protection for communities historically underrepresented in EPA decision-making.  
Presenter(s): Larry Brown (U.S. EPA Mid-Atlantic Region), Denise Morrison (U.S. EPA) Environmental Justice DV, IP

11:00 AM - 11:40 AM  
RCC 302A  
EXPANDING EE INFRASTRUCTURE: TAILORING PROGRAMMING FOR HEAD START AUDIENCES  
This session will explore efforts to further expand the intersection of EE and Early Childhood education through targeting the diversity of children, families, educators and institutions affiliated with Head Start programming.  
Presenter(s): Marc LeFebre (Council for Environmental Education) Network and Leadership Development DV, IP

11:00 AM - 11:40 AM  
RCC 306B  
INTENTIONAL COMMUNITIES: RELOCALIZATION AND RESILIENCE FOR SUSTAINABLE FUTURE LIVING  
Intentional communities are booming worldwide yet the things that cause them to grow and thrive are not well studied. Understand the factors that help new and old communities move towards sustainability and becoming resilient and relocalized.  
Presenter(s): Richard Jurin (University of Northern Colorado) Environmental Justice IP, IT

11:00 AM - 11:40 AM  
RCC 204  
MAKING CLIMATE CHANGE RELEVANT AT THE STATE LEVEL  
Come learn about the Will Steger Foundation's new state funded project focused on building awareness of Minnesota's natural environment and the local impacts of climate change, and proving educators and students with the tools necessary for life-long stewardship.  
Presenter(s): Kristen Poppleton (Will Steger Foundation) Climate Change Education IP, SE

11:00 AM - 11:40 AM  
RCC 302C  
OUR VANISHING NIGHT: EDUCATING ABOUT LIGHT POLLUTION  
Learn about the adverse effects of "light pollution"—excessive and inappropriate artificial light—on the night sky, wildlife, human health and safety, and energy use. We’ll demonstrate tools you can use to bring about change in your community through education.  
Presenter(s): Amy Sayle (Morehead Planetarium and Science Center), Mickey Jo Sorrell (Morehead Planetarium & Science Center) Conservation Education SE

11:00 AM - 11:40 AM  
RCC 305A  
PARTNERING FOR CLIMATE LITERACY: TEACHER PROFESSIONAL DEVELOPMENT  
This presentation will highlight the program elements and collaborative efforts of NatureBridge, the National Park Foundation, Great Smoky Mountains Institute, North Cascades Institute, the Will Steger Foundation and others in creating K-12, comprehensive Teacher Professional Development workshops in Climate Literacy.  
Presenter(s): Anne Burnett, Estrella Risinger (NatureBridge) Climate Change Education IP, SE

11:00 AM - 11:40 AM  
RCC 307  
PARTNERING TO BUILD EE CAPACITY: NORTH CAROLINA ENVIRONMENTAL EDUCATION CENTERS  
North Carolina has the only statewide organization of environmental education centers. Learn more about this unique government/nonprofit partnership and how similar partnerships can build EE capacity in your state or region.  
Presenter(s): Marty Wiggins (N.C. Office of Environmental Education and Public Affairs) Network and Leadership Development IP, NCLI

11:00 AM - 11:40 AM  
RCC 301B  
PAY IT FORWARD: WANT RESULTS? TAKE YOUR PROGRAM TO SCHOOL  
School outreach is an effective tool to secure support for your education program. Your presence in classrooms exposes school staff and students to interactive, outdoor learning opportunities, and demonstrates your interest in their school system.  
Presenter(s): Graciela Avila (Grand Canyon National Park) EE Goes to School DV, NCLI

FRIDAY SESSION DESCRIPTIONS

11:00 AM
11:00 AM - 11:40 AM RCC 203
PREPARING EARLY CHILDHOOD EDUCATORS TO APPLY ENVIRONMENTAL EDUCATION GUIDELINES/CURRICULA
Strategies for integrating NAAEE Early Childhood Environmental Education Guidelines and curricula (Growing Up Wild, EC Project Learning Tree) into pre-service and professional development programs for EC educators will be highlighted. Participants will engage in a hands-on activity, lecture/discussion, and brainstorming.
Presenter(s): Vicki Stayton
EE Goes to School

11:00 AM - 11:40 AM RCC 306C
RAISING AN ENVIRONMENTALLY LITERATE GENERATION: ONE RURAL COUNTY’S APPROACH
2,000 schoolchildren pre K - gr. 6 in Rockbridge County, Virginia, annually engage in a sequential, multi-year, grade-specific, field-based environmental education curriculum facilitated by a small nature center in collaboration with three school divisions and multiple partners.
Presenter(s): Elise Sheffield (Boxerwood Nature Center)
EE Goes to School

11:00 AM - 11:40 AM RCC 206
TEACHING STEWARDSHIP OF FEDERAL LANDS THROUGH MIDDLE SCHOOL SCIENCE CLUBS
How can non-formal educators creatively promote stewardship to local middle school children? Using local natural areas, technologies, and curriculum requirements, learn how to integrate field trips with in-school lessons and programs. Make your field trip proposal irresistible!
Presenter(s): Cindy Heffley (USFWS-Alligator River & Pea Island National Wildlife Refuges)
EE Goes to School

11:00 AM - 11:40 AM RCC 301A
THE “GREEN” HOUSE PROJECT – SUSTAINABLE GROWING CONNECTS SCHOOLS TO COMMUNITY
Enthusiasm about sustainable community gardening is growing in North-eastern North Carolina. The Roanoke-Cashie River Center and The Science House are building a greenhouse to encourage student horticultural involvement, enhance environmental curriculum with inquiry lessons, and strengthen community to school connections.
Presenter(s): Colleen Karl (NC State University), Jennifer Veverka (Bertie Co. Schools)
EE Goes to School

11:05 AM - 11:25 AM RCC 305B
THE POWER OF PLACE: EXPLORING DIVERSITY IN THE APPALACHIANS – Film Presentation
An excerpt from the PBS series, APPALACHIANS, featuring Barbara Kingsolver, E. O. Wilson, and one of the world’s richest ecosystems, the Appalachians, demonstrates the power of film to engage students in the biodiversity and environmental history of their own backyards.
Presenter(s): Jamie Ross (Agee Films)
Conservation Education

11:45 AM - 1:45 PM
EE ADVOCACY COMMITTEE MEETING RCC 306B
Reconnect face-to-face with other amazing leaders in the NAAEE Action Network! We’ll recap and celebrate successes of 2011 and strategize for our 2012 legislative agenda. Come learn about the incredible accomplishments of this committee and how you can get involved.
Chair: Shareen Knowlton (Roger Williams Park Zoo)

NEXT STEPS IN SUSTAINABILITY EDUCATION RCC 402
Be part of the future of SE. Join the facilitated planning on the next steps in SE for the NAAEE SE Interest Group and local, national, and international partners.
Chair(s): Elaine Jane Cole (Independent contractor)

URBAN EE SPECIAL INTEREST GROUP MEETING RCC 305B
Come join the conversation about increasing access to environmental education in urban communities. With growing urban populations, join this new SIG focused on empowering environmental educators to provide relevant, culturally responsive programs and activities.
Presenter(s): Jose Marcos-Iga (Environmental Education Exchange)

12:30 PM - 1:30 PM
DIVERSITY COMMITTEE MEETING RCC 202
Discussion of the Tuesday diversity training for Board, staff and committee chairs and other methods for ensuring NAAEE meets its multi-cultural goals.
Chair: Anne Marie Tipton (California State Parks)
1:30 PM - 2:20 PM  Marriott Congressional B
PLANNING FOR ASSESSMENT OF CERTIFICATION CANDIDATES
Learn how some of the EE certification programs are assessing their candidates and what you should consider when determining what will work best for your state, region, or province.
Moderator(s): Tom Marcinkowski (Florida Institute of Technology)
Presenter(s): Sarah Haines (Towson University), Katie Navin (Colorado Alliance for Environmental Education), Elizabeth Schmitz (Kentucky Environmental Education Council), Sapna Sopori (Arizona Association for Environmental Education), Andree Walker (USEE)
Network and Leadership Development

2:00 PM - 4:00 PM  Grand Lobby
MARINE MAMMALS: IMMERSED IN CHANGE
The Geodome, an immersive theater, presents information about climate change and marine mammals. Thanks to a grant from NOAA and an innovative partnership of informal education sites, learn how this experience is being shared with people across North Carolina.
Presenter(s): Elizabeth Baird (NC Museum of Natural Sciences)
Climate Change Education

2:15 PM - 2:35 PM  RCC 202
IMPACTS OF AN ENVIRONMENTAL EDUCATION PROGRAM IN NORTHERN SONORA, MEXICO
Very few studies have measured the long-term impacts of an environmental education program beyond a year. This study was designed to examine students' attitudes one, two, three, four, and five years after participating in the program.
Presenter(s): Dennis Rosemartin
Conservation Education

2:15 PM - 2:35 PM  RCC 203
IMPLEMENTING A POST-GRADUATE CERTIFICATE FOR TEACHERS IN SUSTAINABILITY EDUCATION
This session explores the development and implementation of a new PBDE in SE at the University of Winnipeg, Manitoba, including a review and reflection of the successes after the first year of implementation, and the instructor's suggestions for improvement.
Presenter(s): Natalie Swayze, Dawn Sutherland (University of Winnipeg)
EE Goes to School

2:15 PM - 2:45 PM  RCC 305B
LOOTING THE SEAS (LIFE 8 SERIES) Film Presentation
Investigates the looming collapse of Atlantic bluefin Tuna stocks and the role EU policies have played in the crisis, as the rules designed to ensure the sustainability of Atlantic bluefin stocks aren't working.
Presenter(s): Winnie Scherrer (Bullfrog Films)
Environmental Issues in EE

2:15 PM - 2:55 PM  RCC 306C
AMERICAS CLIMATE CHOICES: A NEW EDUCATIONAL RESOURCE
The U.S. National Academy of Sciences has issued a suite of studies titled 'Americas Climate Choices,' a comprehensive overview of current scientific knowledge about climate change and options for responding, which can provide a valuable resource for the educational community.
Presenter(s): Laurie Geller (National Research Council)
Climate Change Education

2:15 PM - 2:55 PM  RCC 306A
A TOOL FOR CONSERVATION EDUCATION: EXPEDITIONARY SCIENCE
Following von Humboldts philosophy, CLIMBE, an expeditionary science program allows students to generate hypotheses, collect and interpret ecosystem data while living in field-based environments. Direct experiences in ecosystems coupled with data collection and interpretation increase students' understanding of conservation.
Presenter(s): Dorothea Shuman (Montreat College)
Conservation Education

2:15 PM - 2:55 PM  RCC 206
CHOOSE REALITY: REVEALING THE TRUTH ABOUT THE CLIMATE CRISIS
This presentation will focus the world's attention on the full truth, scope, scale and impact of the climate crisis. To remove the doubt. Reveal the deniers. And catalyze urgency around an issue that affects every one of us.
Presenter(s): Robert McAfee (OMNI Center for Peace, Justice & Ecology)
Climate Change Education

2:15 PM - 2:55 PM  RCC 302C
AMERICAS CLIMATE CHOICES: A NEW EDUCATIONAL RESOURCE
The U.S. National Academy of Sciences has issued a suite of studies titled 'America's Climate Choices,' a comprehensive overview of current scientific knowledge about climate change and options for responding, which can provide a valuable resource for the educational community.
Presenter(s): Laurie Geller (National Research Council)
Climate Change Education

2:15 PM - 2:55 PM  RCC 301A
CREATING A GREEN CULTURE IN SCHOOLS: A GREEN SCHOOLS RECOGNITION PROGRAM
Palm Beach County's Green Schools Recognition Program not only encourages schools to become more sustainable but recognizes and rewards them for their efforts. This program encompasses areas of schoolyard enhancement, conservation, integrated curriculum, administration involvement, and community support.
Presenter(s): Susan Toth, Veronica Frehm
EE Goes to School

2:15 PM - 2:55 PM  RCC 301B
ENVIRONMENTAL ACTION TOOLKIT - DEVELOPMENTALLY-APPROPRIATED STEWARDSHIP-FOCUSED EXPERIENCES FOR YOUNG CHILDREN
Learn about and participate in activities from the international Nature Action Kit, part of the Clinton Global initiative to connect 2-million young children with nature and strengthen world-wide efforts at helping the next generation grow up in a 'greener' world.
Presenter(s): Susan Wirth (Arbor Day Foundation/Dimensions Educational Research Foundation)
Conservation Education
### 2:15 PM - 2:55 PM | RCC 205
--- | ---
**HOW EPA USES SOCIAL MARKETING TO ENHANCE ENVIRONMENTAL EDUCATION**
U.S. EPA will demonstrate how their website uses widgets, podcasts, Facebook, YouTube and other tools that enhance environmental education. Learn about various EPA education programs available for air, water, and waste.

Presenter(s): Megan Gavin (U.S. EPA Chicago), Teresa (Terry) Ippolito (U.S. EPA), Sally Hanft (EPA - Seattle Regional Office)
Conservation Education  
IP

### 2:15 PM - 2:55 PM | RCC 204
--- | ---
**INSPIRING YOUTH AND MINORITIES TO BE LEADERS OF CONSERVATION ACTION**
Research reveals youth and minorities as groups most ready to participate in conservation action, but unsupported in the tools and wherewithal to accomplish such goals. We will discuss the research findings, and share preliminary results of youth- and minority-focused projects.

Presenter(s): Wei Ying Wong (The Ocean Project)
Conservation Education  
DV, IP

### 2:15 PM - 2:55 PM | RCC 301B
--- | ---
**INTO THE WOODS: A NATURE CENTER’S STORIED APPROACH INSPIRES YOUNG LEARNERS**
For young children growing up in rural Virginia, Boxerwood Nature Center offers them their first ventures into the woods and their first playful lessons in environmental learning—all in line with state standards (PreK-grade 2) and embraced by local teachers.

Presenter(s): Bonnie Bernstein (Boxerwood Nature Center), Jessica Sullivan (Boxerwood Nature Center)
EE Goes to School  
IP

### 2:15 PM - 2:55 PM | RCC 305A
--- | ---
**MAKING CLIMATE-SCIENCE AND EE FUN THROUGH FILMS AND FILMMAKING**
Student-produced films, and films featuring youth, effectively communicate about energy, climate science and solutions, combat climate denial and integrate film with STEM and environmental history. Help youth produce empowering films for peers, the public and the media.

Presenter(s): Lynne Cherry (Young Voices on Climate Change), Jenn Glaser (C L A C E), Martha Shaw (CLN)
Climate Change Education  
AR, IP

### 2:15 PM - 2:55 PM | RCC 201
--- | ---
**NATURE IN MY NEIGHBORHOOD – WHAT’S GOOD IN MY HOOD?**
What's Good in My Hood? is an investigation of urban neighborhoods and connections between the living and non-living things that support the health and well being of communities. Presenters provide examples of quality urban EE and techniques to conquer challenges.

Presenter(s): Shelby Laird (Auburn University), Akiima Price (New York Restoration Project)
Environmental Justice  
DV, IP

### 2:15 PM - 2:55 PM | RCC 300A
--- | ---
**SELF-CERTIFICATION: AN ALTERNATE APPROACH TO EE CERTIFICATION IN VIRGINIA**
Virginia's Environmental Educators Leadership Program is a voluntary, self-guided program that develops and recognizes professional skills and abilities of environmental educators. This program provides tools for self-assessment and three levels of professional profiles to develop expertise in specific resource areas.

Presenter(s): David Ruble (Virginia Office of Environmental Education)
Network and Leadership Development  
IP

### 2:15 PM - 2:55 PM | RCC 302B
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**THINKING OUTSIDE THE SANDBOX: EARLY CHILDHOOD AND PLACE-BASED NATURE EDUCATION**
A service-learning project culminating in a nature trail and garden area at a campus pre-school spawns an education course training early elementary pre-service teachers in place-based nature education. Pilot study to assess pre-K nature attitudes also discussed.

Presenter(s): Lisa Pike (Francis Marion University), Janis McWayne (Francis Marion University)
Environmental Justice  
IP, NCLI

### 2:15 PM - 2:55 PM | RCC304
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**WALKING THE TALK– GRASS-ROOTS ENVIRONMENTAL INITIATIVES AT FLORIDA GULF COAST UNIVERSITY**
Come meet students, staff and faculty from FGCU and learn about a few dedicated citizens that wanted their university to walk the talk of sustainability. This presentation will share our campus initiatives to better the environment and our local community.

Presenter(s): Sarah Davis (Florida Gulf Coast University), Annette Snapp (Florida Gulf Coast University), Patricia Borden (Florida Gulf Coast University), Kate Pozzniak (Florida Gulf Coast University)
Network and Leadership Development  
IP, SE

### 2:15 PM - 3:35 PM | RCC 402
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**THE "STUFF" OF SUSTAINABILITY: EQUITY, CONSUMPTION AND THE MATERIALS ECONOMY**
Experience hands-on lessons from a free curriculum unit that can be used with “The Story of Stuff” movie. Examine the sustainability of the materials economy and explore new, more equitable systems to benefit societies, economies, and environments.

Presenter(s): Rebecca Bell (Facing the Future)
Environmental Justice  
NCLI, SE

### 2:30 PM - 3:20 PM | Marriott Congressional B
--- | ---
**PLANNING FOR CERTIFICATION PROGRAM EVALUATION**
Learn program evaluation techniques and how evaluation can help direct improvements to your certification program. Moderator: M. Lynette Fleming (Research, Evaluation & Development Services)

Presenter(s): Kim Morris-Zarneke (Georgia Aquarium), Sapna Sopori (Arizona Assoc. for EE), Sue McGuire (Wyoming Assoc. for EE)
Network and Leadership Development  
IP
FRIDAY SESSION DESCRIPTIONS

3:15 PM

2:30 PM - 3:30 PM

ALLIANCE FOR CLIMATE EDUCATION MULTI-MEDIA, ENGAGING CLIMATE CHANGE SCIENCE PRESENTATION

Alliance for Climate Education (ACE) is the national leader in high school climate science education. ACE provides a free, award-winning multimedia assembly on climate science and solutions. ACE also helps students kick off carbon-cutting projects at schools.

Presenter(s): Johanna de Graffenreid (Alliance for Climate Education)
EE Goes to School
IP

2:45 PM - 3:05 PM

INTEGRATING GEOSPATIAL TECHNOLOGY WITH CONSERVATION EDUCATION: SOME LESSONS LEARNED

This presentation reviews a middle-school science outreach program in which geospatial technology was integrated into learning activities to stimulate students’ interest in geoscience and environmental conservation. Results suggest that geospatial technology has facilitated student learning and added to their experience.

Presenter(s): Yu-Fai Leung (North Carolina State University)
Conservation Education
IP, SE

3:15 PM - 3:30 PM

MEXICO WATER EDUCATION SPACES STRATEGY

The Mexican Federal Government develops, through the National Water Commission, a Water Education Federal Program in collaboration with the 32 Mexican states. This presentation will review the benefits, challenges and opportunities of this program.

Presenter(s): Rita Vazquez
Conservation Education
IP, SE

3:30 PM - 3:45 PM

ENVIRONMENTAL LITERACY PLANS: WHERE DO WE GO FROM HERE?

The objective of this session is to open the discussion concerning how states can move forward with their environmental literacy plans in the current legislative climate. Participants will share their experiences while the presenters offer insights from their state’s progress.

Presenter(s): Melinda Wilder (Eastern Kentucky University), Billy Bennett (Eastern Kentucky University), Elizabeth Schmitz (Kentucky Environmental Education Council)
Network and Leadership Development
NCLI

3:45 PM - 4:00 PM

HEALING THROUGH DESIGN – EE FACILITIES FOR RESILIENT PEOPLE AND LANDSCAPES

Sustainably designed buildings and places can help weave fragile landscapes and underserved users together to create mutual benefit. This session will be helpful to organizations contemplating the sustainable planning of EE facilities in injured landscapes and underserved population centers.

Presenter(s): Brendan Connolly (Mithun)
Environmental Justice
DV, SE

3:45 PM - 3:55 PM

ENVIRONMENTAL EDUCATION FOR ADULTS: IMPACTING YOUR COMMUNITY

Targeting environmental education programs to the adult population of your community yields many benefits both individually and collectively. Learn how one community targets, develops, promotes and involves adults in environmental stewardship programs designed to leave behind a smaller ecological footprint.

Presenter(s): Heather Merchant (City of Plano)
Conservation Education
IP, SE
3:15 PM - 3:55 PM  RCC 205
ICANCONSERVE: SCHOOL TO HOME COMMUNITY BASED ENERGY INITIATIVE
KEEP is working with K-12 schools in three communities to support a community based energy efficiency program. KEEP's goal is to promote energy literacy AMong teachers, student, parents and community members by implementing an energy curriculum and school-based community projects.
Presenter(s): Carrie Ziolkowski (KEEP)
Conservation Education  IP

3:15 PM - 3:55 PM  RCC 206
LEARNING IN FLORIDA'S ENVIRONMENT (LIFE) PROGRAM: A FIELD-BASED EE MODEL
The LIFE program is a model for field-based environmental education that merges formal and non-formal education for environmental literacy. Its guiding principles ensure continuity throughout all 17 sites while meeting the needs of local teachers working in diverse environmental settings.
Presenter(s): Misty Alderman (FL DEP Office of Environmental Educ.)
EE Goes to School  IP

3:15 PM - 3:55 PM  RCC 201
PLAYWORK AND PLACE MANAGEMENT: AN INTEGRATED APPROACH TO ENVIRONMENTAL LEARNING
Playwork, an open-ended method of working with children outdoors, piloted in the USFWS Natural Play Corps training program (presented here), Summer 2011, at NC coastal Wildlife Refuges, is part of the NLI-NWF project: Guidelines for Natural Play and Learning Areas.
Presenter(s): Robin Moore (NC State University), Allen Cooper (National Wildlife Federation), Nilda Cosco (NC State University)
Environmental Justice  YP, IP

3:15 PM - 3:55 PM  RCC 302C
MEET TEAM ECCO: THE NEW WAVE OF OCEAN AWARENESS EDUCATION
Team ECCO has a mission to teach marine and maritime awareness. Our innovative teaching methods spark creativity, relax the fear of failure, and open lines of presentation and discussion that focus on making every environmental experience a learning session.
Presenter(s): Brenda Ramer (Team ECCO)
Conservation Education  IP, NCLI

3:15 PM - 3:55 PM  RCC 301A
PUTTING ATTENTIVENESS & IMAGINATION INTO PLACE: THERE IS NO "STILL LIFE"
We explore artistic attention as a vital mode of both attending to "environments" and re-imagining and re-engaging a community with them – and practice such attention, complete with pinhole cameras, drawing and watercolors, and site specific installations made with found materials.
Presenter(s): Bob Jickling (Lakehead University), Anthony Weston (Elon University), Vivian Wood-Alexander (Lakehead University)
EE Goes to School  IP

3:15 PM - 3:55 PM  RCC 306A
RECYCLING GOES TO OUTDOOR SCHOOL: INNOVATIVE PARTNERSHIP FOR CONSERVATION EDUCATION
Portland area outdoor school programs and Metro regional government created a partnership that provided funding for outdoor school and expanded Metro's resource conservation and recycling outreach. Learn about the challenges and successes in developing and implementing this award-winning program.
Presenter(s): Freda Sherburne (Metro)
Conservation Education  IP, SE

3:15 PM - 3:55 PM  RCC 305A
RESEARCH SUGGESTS THEATRE CURRICULUM INCREASES STUDENT UNDERSTANDING OF ENERGY EFFICIENCY
After exposure to an energy curriculum developed by the National Theatre for Children, RIA reports that students tested higher for overall understanding of core energy and climate change principals, including how energy is produced and steps to reduce energy consumption.
Presenter(s): Kevin Plagman (The National Theatre for Children)
Climate Change Education  AR, SE

3:15 PM - 3:55 PM  RCC 204
UNIQUE ENVIRONMENTAL PROGRAM UNITING RESTORATION, PROFESSIONAL DEVELOPMENT AND STUDENT EDUCATION
Engaging adults and children in restoration events is the perfect way to introduce environmental learning which often leads to personal advocacy. This was done successfully by the NC Coastal Federation at the NC Center for the Advancement of Teaching.
Presenter(s): Sara Hallas (North Carolina Coastal Federation)
Conservation Education  IP, SE
3:15 PM - 3:55 PM  
RCC 307  
USING CERTIFICATION TO DEVELOP AN EE PIPELINE  
What do you get when you combine culturally diverse youth, summer internships, and Environmental Education Certification? Inspired new leaders and future EE professionals. Join us to discuss the program, barriers, and the lessons learned in cultivating youth as environmental educators.  
Presenter(s): Katie Navin (Colorado Alliance for Environmental Education), Jolon Clark (The Greenway Foundation - SPREE)  
Network and Leadership Development  
YP, DV

3:30 PM - 3:50 PM  
Marriott Congressional B  
CERTIFICATION 102: LEARNING FROM EXPERIENCED PROGRAMS  
Learn from EE certification program leaders in small group sessions.  
Presenter(s): Sue Bumpous (NAAEE), Sarah Haines (Towson University), Sapna Sopori (Arizona Association for Environmental Education), Andree Walker (USEE)  
Network and Leadership Development  
IP

3:45 PM - 4:05 PM  
RCC 203  
THE ECOLOGICAL SELF AND PRO-ENVIRONMENTAL BEHAVIOR  
The ecological self, or ecological consciousness, describes an embodied awareness of one’s connection to the natural world. What is the relationship between the ecological self and pro-environmental behavior? How can postsecondary educators best develop their students’ ecological selves?  
Presenter(s): Greg Lankenau (Penn State University)  
Environmental Issues in EE  
IP, RE

3:45 PM - 4:05 PM  
RCC 202  
NUTS & BOLTS OF AN UNDERGRADUATE SUSTAINABILITY & ENVIRONMENTAL EDUCATION COURSE  
Join Florida Gulf Coast University faculty and staff to learn about this long-running course in sustainability required of all undergraduate students. Learn how we implement the logistics to create meaningful experiences fostering a sense of place and ecological perspective for students.  
Presenter(s): Sarah Davis, Annette Snapp, Locksley Knibbs (Florida Gulf Coast University)  
Network and Leadership Development  
IP, SE

3:45 PM - 5:05 PM  
RCC 402  
HOW EE CAN CHANGE THE WORLD: A COGNITIVE PERSPECTIVE  
Good design improves EE’s effectiveness and helps us solve environmental challenges. Cases with schools and adults will introduce the Reasonable Person Model that can help reinvent quality EE. Join us to help share how we can all be more effective.  
Moderator(s): Martha Monroe (University of Florida)  
Presenter(s): Thomas Hudspeth, Bora Simmons (National Project for Excellence in Environmental Education), Augusto Medina (EETAP/UWSP), Libby McCann (Antioch University New England), Lori Kumler  
Environmental Issues in EE  
IP, RE

3:45 PM - 5:05 PM  
RCC 303  
INTERSECTIONS IN INTERNATIONAL ENVIRONMENTAL EDUCATION: WHAT ARE THE EMERGING ISSUES?  
Sponsored by NAAEE’s International Commission, a panel of experienced international EE practitioners will explore current and emerging issues and their intersection with international EE – environmental and social justice, health, diversity, indigenous knowledge, climate change, and sustainability.  
Presenter(s): A. Michael Marzolla (University of California)  
Environmental Justice  
DV, IT

3:45 PM - 5:05 PM  
RCC 304  
WHERE DOES WOOD COME FROM? HARVESTING THE URBAN FOREST.  
Wood products come from forests. But what is a forest? The trees in our communities comprise the urban forest that could be sustainably harvested for lumber, too. Innovative programs now capture this overlooked resource to make useful, sustainable wood products.  
Moderator(s): Edith Makra (The Morton Arboretum)  
Presenter(s): Ericka Popovich (Potawatomi Zoo / University of Michigan), Paul Pettigrew (Illinious Institute of Technology College of Architecture), Daniel Coy (City of Elkhart), Eric Muecke (NCDA&CS North Carolina Forest Service)  
Conservation Education  
IP, SE

3:50 PM - 4:50 PM  
RCC 305B  
WATER ON THE TABLE – Film Presentation  
An intimate portrait of international water activist Maude Barlow and the debate over whether water is a commercial good or a human right—a public trust for people, the ecosystem, and the future, or best protected by privatization.  
Presenter(s): Winnie Scherrer (Bullfrog Films)  
Environmental Justice  
IT, SE
FRIDAY SESSION DESCRIPTIONS

4:00 PM - 5:00 PM  
SOUTHEASTERN ENVIRONMENTAL EDUCATION ALLIANCE GATHERING  
Attendees from EPA Region 4 are invited to discuss events in our area and opportunities to collaborate on projects. Already on the agenda are area conferences and climate change education. Contact John Guyton with other agenda items: jguyton@CFR.MsState.Ed

4:10 PM - 4:55 PM  
HOW TO GET YOUR LOCAL EE CERTIFICATION PROGRAM ACCREDITED BY NAAEE  
Have an EE Certification program? Interested in being Accredited by NAAEE, but wonder how? Come to this session for a copy of the application for NAAEE’s accreditation process and discussion of the details.  
Presenter(s): Sue Bumpous (NAAEE), Tom Marcinkowski (Florida Institute of Technology), M. Fleming (Research, Evaluation & Development Services), Sarah Haines (Towsion University), Alison Heimowitz (Clackamas Community College), Elizabeth Schmitz (Kentucky EE Council)  
Network and Leadership Development

4:15 PM - 4:35 PM  
ROCKY BRANCH REVIVAL: RESTORED STREAM SERVES AS OUTDOOR TEACHING LAB  
This presentation will show how NC State University’s campus creek has been transformed into an outdoor environmental teaching laboratory that has exposed thousands of students, from middle school to college age, to natural resource conservation, management and restoration.  
Presenter(s): Barbara Doll (NC Sea Grant)

4:15 PM - 4:55 PM  
APPROACHING ENVIRONMENTAL EDUCATION IN COOPERATIVE WAYS: BUILDING PARTNERSHIPS AND CURRICULA  
This presentation will focus on approaching EE in innovative and cooperative ways. Will Parish will discuss building educational partnerships, bridging curriculum standards, current research supporting EE, and successful statewide EE efforts such as California’s EE initiative.  
Presenter(s): Will Parish (Gateway High School, California EEI)  
EE Goes to School

4:15 PM - 4:55 PM  
AUDUBON AT HOME: MAKING BIRDS & WILDLIFE FEEL AT HOME  
The mission of Audubon At Home is to conserve birds and habitat by inspiring people to incorporate conservation actions into their daily lives, and by providing accessible and fun conservation tools. Come learn about the program and try it yourself!  
Presenter(s): Judy Braus (National Audubon Society), Bob Petty  
Conservation Education

4:15 PM - 4:55 PM  
CREEK FREAKS NONFORMAL STREAM ECOLOGY EDUCATION FOR AGES 10-14  
Creek Freaks gets children outside to explore, monitor and protect local streams. Children become stream experts and share photos, stories and data on-line. Learn how to become program leaders and connect children with natural resources professionals.  
Presenter(s): Leah Miller (Izaak Walton League of America)  
Conservation Education

4:15 PM - 4:55 PM  
EMPOWERING CHILDREN AND YOUTH IN AN AGE OF CLIMATE CHANGE  
Environmental education can empower children and youth to actively participate in solving climate change. This dynamic model uses an entertaining, inspirational voice to present critical information and skills for kids to connect with nature and produce their own renewable energy.  
Presenter(s): Michael Caduto  
Climate Change Education

4:15 PM - 4:55 PM  
MAKING CERTIFICATION EASIER: TAKING THE PRESSURE OFF YOUR BOARD  
This presentation highlights the keys to success for the new EE Certification Program in Arizona. This program is economically sustainable, decreases work for the Board, and increases organizational and individual membership across the state.  
Presenter(s): Sapna Sopori (Arizona Association for EE)  
Network and Leadership Development

4:15 PM - 4:55 PM  
SCIENCE & ECOLOGY: LIVE & UNPLUGGED, K-8 ELP CURRICULUM & STUDY  
Science & Ecology: Live & Unplugged! program partners elementary and middle schools with residential EE centers and ecosystem field trips. Ferry Beach Ecology School created the SELU curriculum and impact study to model the potential of Environmental Literacy Plans.  
Presenter(s): Drew Dumsch (Ecology Education, Inc.)  
EE Goes to School

4:15 PM - 4:55 PM  
TEENS, SOCIAL MEDIA AND THE ENVIRONMENT: MAKING AN IMPACT  
U.S. Fish and Wildlife Service and the NEEF’s Planet Connect are partnering to engage high school students in opportunities focused on wildlife conservation and natural resources. Learn how technology is helping introduce youth to the great outdoors!  
Presenter(s): David Lanham (National Environmental Education Foundation), Drew Burnett (U.S. Fish and Wildlife Service)  
EE Goes to School

4:15 PM - 4:55 PM  
THE DIVERGENT THINKING PROJECT: USING CREATIVITY AND COLLABORATION TO PROBLEM-SOLVE  
Learn how the skill set of Divergent Thinking was used in two different communities in the Canadian Rockies and the Canadian Arctic to help students learn how to reframe “problems” as “challenges” to address complex environmental issues.  
Presenter(s): Aliza Weller (Intelligent Play/Nunavut Impact Review Board), Eli Baker (Columbia Basin Environmental Education Network)  
Environmental Justice

4:15 PM - 4:55 PM  
THE IMPACT OF WILDLIFE EDUCATION CURRICULA ON INTENDED CONSERVATION BEHAVIOR  
This study examined the commitment to action essays generated by a demographically and culturally diverse group of 168 elementary and middle school students after completing the entire Florida Fish and Wildlife Conservation Commission Florida Black Bear Curriculum.  
Presenter(s): Linda Cronin-Jones (University of Florida)  
Conservation Education
**FRIDAY SESSION DESCRIPTIONS**

**4:15 PM - 4:55 PM**
**RCC 206**

“THERE’S MAGIC AT THE CRADLE”: INNOVATIVE APPROACHES TO FOREST STEWARDSHIP

Interested in hearing about innovative ways to teach forest stewardship that meet National Education Standards? Come learn about “There’s Magic at the Cradle” and how you can use it to enhance your teaching objectives.

Presenter(s): Elissa Riley (Cradle of Forestry Interpretive Association), Babs McDonald (Forest Service)

EE Goes to School     IP, SE

**4:15 PM - 4:55 PM**
**RCC 302B**

TOGETHERGREEN: ACHIEVING CONSERVATION RESULTS BY ENGAGING PEOPLE

Through fellowships, grants, and volunteer opportunities, TogetherGreen inspires and empowers participants to take action at home, school, and communities to improve the health of the planet. Projects focus on engaging new audiences in habitat, water, or energy conservation.

Presenter(s): Eddie Gonzalez (National Audubon Society)

Conservation Education     IP, SE

**4:15 PM - 4:55 PM**
**RCC 204**

WE ARE ONE IN SONG

Aka’ula middle school students join Joyce Rouse (Earth Mama) to host this environmental song writing workshop and sing-along. Environmental concepts and connections are easier to understand, and the message becomes stronger when the song is personal.

Presenter(s): Dara Lukonen (Aka’ula School)

Conservation Education     AR, DV

**5:30 PM – 9:00 PM**

“A NIGHT AT THE MUSEUM” – NORTH CAROLINA MUSEUM OF NATURAL SCIENCES

Take a short seven-block walk to the museum. (Pick up a map from the Welcome to NC table and look for local business volunteers to guide the way.)

Enjoy local fare while investigating the largest natural history museum in the Southeastern United States. Look for the event schedule on signs at the museum. The highlight is the Live Auction portion of the Stapp Scholarship Auction from 7:00 PM – 7:30 PM.

In the first floor auditorium, Dr. Meg Lowman will talk about “Integrating Virtual and Real Nature in North Carolina’s New Nature Research Center,” a new portion of the museum currently under construction. Featured exhibit on the second floor is “Our Expanding Oceans: The Blending of Art and Science.” Dr. Orrin H. Pilkey and son, Keith Pilkey, will discuss their book, “Global Climate Change: A Primer.” They will be joined by artist Mary Edna Fraser, who illustrated the book with her batik art, also on display in the museum. Copies of the book will be available for sale, and both writer and artist will be available to sign your copy. In the third floor Windows on the World Theater, Dr. Jose Rial, UNC-Geological Sciences, answers the questions, “What happens if the Greenland ice sheet slides into the ocean?” and, “What can we do about it?”

**We want to hear from you!**

Please complete the conference evaluation

Help us to continue to improve your conference experience by completing the 2011 evaluation at [www.surveymonkey.com/s/2011NAAEEevaluation](http://www.surveymonkey.com/s/2011NAAEEevaluation). Your feedback will be used to improve future conferences.

Putting on a conference is a grand undertaking. Volunteers begin working two years before you arrive, and many are still involved when the show goes on!

NAAEE plans three years in advance. We hope that you understand that not all of your expectations will be met. Our goal is to address as many of your suggestions as we can, but circumstances sometimes make that impossible. If you have constructive suggestions, please attend the Saturday afternoon session “2011 CONFERENCE: HOW DID WE DO? IDEAS FOR NEXT YEAR?” or call NAAEE at 202-491-0412 after we’ve had a chance to decompress from this amazing week.

We want to ensure that this conference is your best professional development of the year…. year after year after year.

**10:30 PM - 11:55 PM**
**Marriott Congressional A**

LATE NIGHT SING ALONG

Bring your instruments, your songbooks, your voices, your enthusiasm for this very casual self-directed jam session—a long-time NAAEE tradition. There’s no “leader” here - whoever shows up to sing is in charge.
Green River Preserve

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Gary Hirshberg
Chairman, President and CE-Yo,
Stonyfield Farm

National Environmental Activist
Laura Turner Seydel
Chair, Captain Planet Foundation

- LEARN innovative ways to make your school and district green & healthy centers of academic excellence.
- DISCOVER ways to "go green" and save money!
- NETWORK among passionate, like-minded national and local leaders who are working toward similar goals in the education of our children.

Join the National Green and Healthy Schools Movement!
Questions? Email: GreenInfo@NationalGreenSchools.org or call 1-800-280-6218
SATURDAY & SUNDAY AT A GLANCE

Saturday, October 15
7:00 AM – 8:00 AM Walking Tours – Meet in the RCC Grand Lobby
7:30 AM – 9:20 AM Continental Breakfast with Dr. June Atkinson – RCC Ballroom B&C
7:30 AM – 8:30 AM CATS meetings – various RCC rooms
7:30 AM – 2:00 PM Conference Registration Desk Open – RCC Grand Lobby
8:00 AM – 11:00 AM NAAEE Staff Office Open – Marriott Chancellor Room
8:00 AM – 2:00 PM Marketplace – RCC Mezzanine
9:30 AM – 10:30 AM NAAEE Business Meeting – RCC 306B
9:30 AM – 11:20 AM Concurrent Sessions
11:45 AM – 1:30 PM Awards Lunch and Keynote Speaker Julie Chavez Rodriguez – RCC Ballroom B&C
1:45 PM – 4:00 PM Concurrent Sessions
2:00 PM – 5:00 PM NAAEE Staff Office Open – Marriott Chancellor Room
3:45 PM – 4:30 PM CATS meetings – various RCC rooms
3:45 PM – 4:30 PM Teacher Gleaning Closet – RCC Grand Lobby
4:00 PM – 6:30 PM EENC Annual Meeting – Busy Bee Café
7:00 PM – 10:00 PM Closing Networking Event – location to be announced
10:30 PM – 11:55 PM Late Night Sing Along – Marriott Congressional A

Sunday, October 16
Various times Field Experiences depart

TURTLE TIP: Take a Trivia taxi around town or to the airport when you leave, and get quizzed on environmental topics provided by NAAEE and EENC! Why would you choose a boring taxi service when you can choose Trivia Taxi and possibly get a free ride while having a great time? While you travel, answer trivia questions -- if you win, the ride is free! 919-771-3377 http://www.triviataxinc.com/

Montreat College
Master of Science in Environmental Education
- Earn a graduate degree in environmental education without leaving your current job.
- Explore your faith in relation to environmental stewardship from a Christian perspective.
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The next cohort begins May 2012.
Apply today!
Downtown Walking Tours
7:00 AM – 8:00 AM – meet in the RCC Grand Lobby

Behind the Scenes at the LEED Convention Center
From design to daylighting to food service and the rooftop, learn what it takes to be certified LEED Silver. This convention center contributed to Raleigh’s recognition as the most sustainable mid-size city in America by the U.S. Chamber of Commerce.

Historical Walking Tour
From the Briggs Hardware Building, now the Raleigh City Museum, the tour of Fayetteville Street covers Raleigh’s 1792 incorporation to the present. See where ox carts carried shoppers to the general store, tornado damage areas, and how the main street developed.

Continental Breakfast with Dr. June Atkinson
7:30 AM – 9:30 AM, RCC Ballroom B&C
Over breakfast, hear about the status of North Carolina’s education system from Dr. June Atkinson, NC State Superintendent of Public Instruction. “A teacher is the butcher, the baker, the candlestick maker…the person who must do everything,” she says.

Awards Lunch and Keynote Speaker Julie Chavez Rodriguez
11:45 AM – 1:30 PM, RCC Ballroom B&C
Award winners are listed on page 68. See page 12 for information on Julie Chavez Rodriguez.

Magical Connections: Using Music to Inspire Environmental Action
1:45 PM - 2:25 PM, RCC 201
Lessons we have learned about connecting the environment and music are the focus of this session. Come get lessons that have been created and tested to motivate students to be responsible environmental stewards, while achieving curriculum objectives. Sponsored by the Albert I. Pierce Foundation.

2011 Conference: How Did We Do? Ideas for Next Year?
2:45 PM - 3:45 PM, RCC 206
Please join the 2011 and 2012 conference planning teams to share your opinions on what went well and where improvement is needed, so that the 2012 conference team starts off on the right foot.

“Gleaning Closet” for Classroom Teachers
3:45 PM – 4:30 PM, RCC Grand Lobby near Registration
The “closet” includes items donated by EENC members from their personal collections of educational materials and classroom supplies.

CATS Meetings
7:30 AM – 8:30 AM
Accreditation Board – RCC 203
3:45 PM – 4:30 PM
Service-Learning Special Interest Group – RCC 205
Finance Committee – RCC 204
3:45 PM – 4:45 PM
Nominations and Board Development Committee – RCC 206

Closing Networking Event
7:00 PM – 10:00 PM, Location to be announced
This event is NOT included in your full conference registration or the one-day Saturday registration. Admission (only $20!) can be purchased from the Welcome to NC table in the RCC Grand Lobby until 4:00 PM on Saturday, where you also can find a map to the location. Admission includes food and drink, door prizes, and documentary films about sustainable education projects around the world. Proceeds go to exemplary environmental projects of NAAEE, EENC and the Green Living Project’s Education Program. Sponsored by the Green Living Project.

Sunday Highlights
Field experiences depart from the RCC Salisbury Street entrance. Purchase admission at the NAAEE staff office in the Marriott Chancellor Room if space is still available.

From Flow to Faucet: Canoe the Neuse River
9:00 AM – 12:30 PM

Farm to Fork
11:00 AM – 4:30 PM

Field Experience added: Not listed in the online registration form!
Where do Fresh Water Mussels Live?
10:00 AM – 12:00 PM
Visit the Mussel Barn at the NCSU College of Veterinary Medicine, aka the Aquatic Epidemiology and Conservation Laboratory. Learn about mussel conservation and ecosystem health. Meet the team that treats sea turtles rescued by Jean Beasley (Wednesday’s keynote). The NC State Fair is a short walk across the street! Free transportation from the RCC provided – reserve your space at the Welcome to NC table in the Grand Lobby by 4:00 PM Saturday.
CELEBRATING EXCELLENCE AWARDS WINNERS

Saturday, October 15 – 11:45 AM – 1:30 PM – Ballroom B&C

**Outstanding Service to Environmental Education by an Individual Award**
Individual operating at the local level  Sean Miller
Individual operating at the regional level  Elizabeth Burke
Individual operating at the global level: No award

**Outstanding Contributions to Research in EE Award**  Dr. William McBeth

**Outstanding Service to Environmental Education by an Organization Awards**
Organization operating at the local level  Audubon Wyoming
Organization operating at the regional level  The Campaign for Environmental Literacy
Earth Day Network
National Wildlife Federation
U. S. Green Building Council
Organization operating at the global level  No award

**Outstanding NAAEE Affiliate Organization Award**  Colorado Alliance for Environmental Education

**K-12 Educator Award**  Sheila Jones

**The Rosa Parks and Grace Lee Boggs Award for Outstanding Service**  Carlos Velasquez

**President’s Award**  To be announced at the ceremony

**Walter E. Jeske Award**  To be announced at the ceremony

Given by NAAEE since 1982. Who will win this year? Shhhh…it’s a secret!
The award will be presented by last year’s winner, Tom Marcinkowski.

**Environmental Education Scholarship for Academic Study**

Qualifications for the awards can be found at http://www.naaee.net/programs/awards
9:30 AM - 10:10 AM  
RCC 305A  
DEVELOPING AN EDIBLE EDUCATION: CULTIVATING SUSTAINABILITY WITH FOOD  
An informative and lively case study of a school that has worked to develop an "Edible Education", real and meaningful work for students, and an approach to environmental education through and with food.  
Presenter(s): Chris Hartman (The Harley School), Joseph Henderson (University of Rochester Warner School of Education)  
Environmental Justice  
IP, SE

9:30 AM - 10:10 AM  
RCC 306C  
LITERACY LIVE: READING COMPREHENSION AND ENVIRONMENTAL UNDERSTANDING THROUGH DRAMATIC PLAY  
Dramatic retellings make it possible to assess a child's understanding of a story. In an effort to promote environmental understanding, the University of North Carolina Wilmington developed a reading comprehension program combining plays and stories with environmental themes.  
Presenter(s): Sue Kezios (University of North Carolina Wilmington)  
Conservation Education  
AR, IP

9:30 AM - 10:10 AM  
RCC 205  
MEDIA CONSTRUCTION OF GLOBAL WARMING  
Award-winning teacher/author will model interactive lessons from Project Look Sharp's free online curriculum kit, Media Construction of Global Warming, which integrates critical thinking and media literacy into the teaching of core knowledge about the science of climate change.  
Presenter(s): Chris Sperry (Project Look Sharp, Ithaca College)  
Climate Change Education  
IP

9:30 AM - 10:10 AM  
RCC 204  
PROMOTING STUDENT SCIENTIFIC INQUIRY, LITERACY, AND EMPOWERMENT THROUGH MENTORING  
Discuss how a combination of one-on-one mentoring, classroom activities, and visits to local environments can enhance students' ability to understand environmental issues, conduct scientific research, and empower youth to make decisions regarding complex environmental issues.  
Presenter(s): Tahlia Bear (EnvironMentors, NCSE)  
Environmental Issues in EE  
DV, IP

9:30 AM - 10:35 AM  
305B  
MOTHER NATURE'S CHILD: GROWING OUTDOORS IN THE MEDIA AGE - Film Presentation  
Mother Nature's Child examines nature's role in child development: intellectual, physical, emotional and spiritual. The film addresses cultural fears, obstacles to urban contact with nature, mentoring, the place of risk in adolescence, technology, and education of the "whole child".  
Presenter(s): John Klein (kleinfilm)  
EE Goes to School  
AR, IP
A PRAIRIE RESTORATION: THE INTEGRATION OF STEWARDSHIP AND EDUCATION GOALS
This presentation explores how Pine Jog EE Center integrates its stewardship and educational initiatives while highlighting our field restoration. Through involvement of community partners and students, habitat restoration becomes a meaningful learning experience.
Presenter(s): Susan Toth
Conservation Education

CLIMATE EDUCATION: NEW TOOLS FOR EDUCATORS
NOAA, EPA, USDA Forest Service and the FDA, have developed new materials to increase educator knowledge about climate change with new activities and resources for educators, students and the public.
Presenter(s): Peggy Steffen (NOAA National Ocean Service)
Climate Change Education

CONVERSION: ENGAGING FAITH COMMUNITIES IN CLIMATE JUSTICE
Faith communities are installing solar panels, lobbying legislators, and fighting for alternatives to mountaintop removal. This session illustrates diverse examples and concrete strategies for connecting faith communities to climate justice.
Presenter(s): Mallory McDuff (Warren Wilson College)
Climate Change Education

DISTANCE LEARNING ADVENTURES – BRINGING CONSERVATION TO LIFE IN CLASSROOMS
USDA Forest Service and other partners use distance learning adventures as an educational tool to help people of all ages understand, appreciate and conserve natural resources. Program evaluation, current program highlights and future program plans will be shared.
Presenter(s): Sandy Frost, Tamberly Conway (U.S. Forest Service)
EE Goes to School

ENVIRONMENTAL HEALTH EDUCATION RESOURCES AND PROGRAMS FOR STUDENTS AND EDUCATORS
The National Institute of Environmental Health Sciences provides free environmental health science educational resources for teachers, students, and scientists. Learn about the EHP Science Education program, lesson plans including Spanish resources, online activities, internships, fellowships, professional development, and more.
Presenter(s): Bono Sen (EHP/Natl. Inst. of Environmental Health Sciences)
EE Goes to School

FOREST HEALTH ACTIVITIES FOR YOUTH
Curriculum guides for middle and high school students have been developed to explore forest health and threats to forests in the South. Participants can take home the activities, insect and disease flashcards, a DVD, and a CD of support materials.
Presenter(s): Amanda Burnett (University of Florida School of Forest Resources and Conservation), Martha Monroe (University of Florida)
EE Goes to School

GARDENS FOR CLASSROOMS, GREEN RIVER PRESERVE’S FARM TO TABLE PROGRAM
There is a positive, contagious “local food” vibe in our society. The success of garden programs and increasing awareness of global energy problems perpetuate this movement. GRP believes gardens are multifaceted in benefits to communities and educating future world leaders.
Presenter(s): Anne Mead (Green River Preserve)
EE Goes to School

GET OUT: USING A GPS TO TEACH ABOUT THE ENVIRONMENT
Geocaching is one of the hottest new hobbies around. Come learn about how the Science House teaches others to turn GPS units into an innovative teaching tool for invasive species, erosion, habitat preservation and many other environmental issues.
Presenter(s): Michelle Benigno (The Science House of NCSU)
Environmental Issues in EE

GREEN YOUR SCHOOL, GREEN YOUR CURRICULUM!
Learn methods of greening your school by conducting simple classroom energy audits, switching to green products and empowering your students with green activities. This session will also explain ways your curriculum can qualify your school as an International “Eco-school.”
Presenter(s): David Kronk (National Park Service)
EE Goes to School

INSPIRING YOUTH TO PURSUE CAREERS IN CONSERVATION
U.S. Fish and Wildlife Service's National Conservation Training Center (NCTC) created career awareness kits for use at employment events. Discover how these kits containing several activities can be used to encourage youth and young adults to consider natural resource careers.
Presenter(s): Michelle Donlan (U.S. Fish and Wildlife Service)
EE Goes to School

MEET LEARNING STANDARDS—AND HAVE FUN!—WITH THE EVERGREEN TWINS*
"The EverGreen Twins Activity Book” provides 40+ fun ways for K-8 teachers to integrate ecology and sustainability with standards in science, math, language arts, social studies, technology, and art. Rick Reynolds will show you how and provide sample activities.
Presenter(s): Rick Reynolds (Engaging Every Student LLC)
EE Goes to School

NOMINATIONS FOR THE COUNCIL OF ENVIRONMENTAL QUALITY TEACHER AWARDS
The Council of Environmental Quality, in close partnership with the U.S. Environmental Protection Agency, congratulates teachers who instill environmental education and stewardship values among our youth. Learn more about a new set of teacher awards for excellence in EE.
Presenter(s): Lina Younes (U.S. Environmental Protection Agency)
Environmental Issues in EE

OPTIMIZING EE FIELD TRIPS FOR TEACHERS AND NATURE CENTERS
Make your field trip a success! In order for field trips to be effective, classroom and outdoor site learning should connect. Learn about quality online instructional materials and techniques including phenological calendars, orientation videos, and pre and post activities.
Presenter(s): Thomas Quinn (University of Wisconsin-Stevens Point), Meagan Leatherbury (Central Wisconsin Environmental Station)
EE Goes to School

PROJECT INDIGO – USING NATURE AS THE HOOK, LINE, AND THINKER
INDIGO improves student attitudes and academics. Simple, effective systems-thinking practices are discussed/demonstrated that engages all students and educators. Start with the end in mind, using your local environment and community to build 21st Century skills across the curriculum.
Presenter(s): Edward Falco (EE Association of South Carolina)
EE Goes to School

* "The EverGreen Twins” is a registered trademark of Engaging Every Student LLC.
SATURDAY ROUNDTABLE DISCUSSIONS (cont.)

REGENERATORS: GROWING ECOLOGICAL COMMUNITY BUILDERS
A K-12 experiential curriculum empowering students to become regenerative community builders capable of designing sustainable human communities in harmony with nature. This systems approach integrates ecology, sociology, economics, geography, agriculture, landscape and building design, and interpersonal community building skills.
Presenter(s): Jane Norton (EarthHeal & ReSourcing Natural Solutions)
Environmental Issues in EE
IP, SE

STUDENTS TEACHING STUDENTS: THE TRICKLE-DOWN EFFECT
The OCWA education staff use an instructional approach we call “trickle-down teaching.” The idea behind trickle-down teaching is that older students share the knowledge they have gained through our program with younger students, thereby reinforcing and deepening learning for all participants.
Presenter(s): MaryLynne Malone (NYSOEA)
EE Goes to School
AR, IP

SUSTAINABLE DEVELOPMENT EDUCATION WITH ACTIVATED GREEN-SPACE CURRICULUM IN TOKYO, JAPAN
An in-depth look at 5 of Tokyo’s Green-Spaces and a private school which incorporates sustainable development strategies in and out of the classroom. The New International School Pre-K “Play Curriculum” within their classroom can be duplicated across the globe.
Presenter(s): GayLynne Samsonoff (Boys & Girls Club of Lynn)
EE Goes to School
IT, NCLI

TEACHING CHILDREN ABOUT THE ENVIRONMENT USING CHILDREN’S LITERATURE
Using the new children’s book titled “Turtle without a Home,” the presenters will give an animated storytelling performance of their book and discuss how their story can be used to teach children about schoolyard habitats, litter prevention, and turtle conservation.
Presenter(s): Richard Halttunen (Arlington Co. Public Schools), Sharon Gaston
Environmental Issues in EE
IP, NCLI

USING HANDS-ON LESSONS TO PROMOTE GOOD GLOBAL CITIZENSHIP
Rainforest Alliance created hands-on lessons to help students discover the wonders of rainforests and importance of sustainable forestry and agriculture in protecting global ecosystems. Students learn science, social studies, math and language arts, while developing a respect for the environment.
Presenter(s): Maria Ghiso (Rainforest Alliance), Julianne Schrader (Rainforest Alliance)
Conservation Education
SE

9:30 AM - 10:50 AM
RCC 303
CLIMATE CHANGE: ENGAGING LESSONS, GLOBAL CONNECTIONS, AND SUSTAINABLE SOLUTIONS
Experience hands-on lessons that demonstrate the interconnections between natural cycles and systems and human choices and actions. This interactive session provides engaging lessons about climate perspectives, consumption choices and carbon footprint, emissions trading, and international energy policies. Includes free curriculum!
Presenter(s): Rebecca Bell (Facing the Future)
Climate Change Education
SE

SATURDAY SESSION DESCRIPTIONS 10:30 AM

9:30 AM - 10:50 AM
RCC 402
GO SOLAR! TEACHING CIRCUIT BASICS USING RENEWABLE ENERGY
Come try Energy Works Michigan’s unit on solar energy, and see how we use EE to teach science standards about electricity and circuits. Participants receive a CD-ROM of lesson plans, and we will hold a drawing for free lab equipment!
Presenter(s): Lauren LaRocca (Ecology Center), Laura Holladay (Energy Works Michigan)
EE Goes to School
IP, SE

9:30 AM - 10:50 AM
RCC 304
MAKING CONNECTIONS TO THE ENVIRONMENT USING MUSIC
Come get a free instrument, learn to play it, and discover how to make these important connections between music and the world around us.
Presenter(s): Joseph Baust, John Shortt
EE Goes to School
AR, IP

10:00 AM - 10:20 AM
RCC 202
LEVERAGING GLOBAL EVENTS TO IMPROVE STUDENT UNDERSTANDING OF CLIMATE CHANGE
Global events focused on climate provide short-term venues attractive to teachers and engaging for students. The Great Global Investigation of Climate engages students in climate studies and the impacts of climate change through field studies, international discussions and collaborative studies.
Presenter(s): Jessica Mackaro (GLOBE)
Climate Change Education
IP, SE

10:00 AM - 10:20 AM
RCC 203
THE MARCELLUS SHALE: A CASE STUDY FOR EMERGENT ENERGY ISSUES
There are no energy sources free of environmental cost. In the coming decades energy sources are likely to be in our backyards. Using the Marcellus Shale as a case study, we are developing programming for both informal and formal education.
Presenter(s): Don Duggan-Haas (PRI & its Museum of the Earth), Robert Ross (Paleontological Research Institution), Carlyn Buckler (Paleontological Research Institution and its Museum of the Earth)
Environmental Issues in EE
SE

10:20 AM - 10:40 AM
RCC 306C
THE IMPLEMENTATION OF SUPPLEMENTARY EE PROGRAMS BY MIDDLE GRADES TEACHERS
A presentation of research for a doctoral dissertation on factors that effect the successful implementation of supplementary EE programs by middle grade teachers in North Carolina.
Presenter(s): Patrick Curley (Onslow Co. Schools/ UNC Wilmington)
EE Goes to School
RE, SE

10:30 AM - 10:50 AM
RCC 203
EARTH SMART: AN EDUCATIONAL FRAMEWORK LINKING CLASSROOMS TO THE WORLD
This talk describes how earth smart, an educational framework, can help link classroom learning with sustainability, place-based and environmental education. Earth smart describes the qualities we need to justly maintain or improve our quality of life in a changing world.
Presenter(s): Bryan Nichols (University of South Florida)
Environmental Justice
NCLI, SE
10:30 AM - 10:50 AM  RCC 202
PROJECT BUDBURST: PEOPLE, PLANTS, AND CLIMATE CHANGE
Encourage a conservation ethic through participation in Project Bud-Burst - a national citizen science network of individuals actively contributing to a greater understanding of the impacts of climate change in their local ecosystem by observing seasonal changes in plants.
Presenter(s): Sandra Henderson (NEON) Conservation Education  IP, NCLI

10:30 AM - 11:10 AM  RCC 201
A SYSTEMIC AND SYSTEMATIC APPROACH TO ENVIRONMENTAL LITERACY
Maryland has an environmental literacy graduation requirement. Anne Arundel County Public schools is implementing a system-wide environmental literacy plan. The plan includes environmental issues investigation, outdoor experiences and action for all 75,000 students. Successes, challenges and status will be reviewed.
Presenter(s): Melanie Parker (Arlington Echo Outdoor Education Ctr.) EE Goes to School  IP, NCLI

10:30 AM - 11:10 AM  RCC 302A
DEVELOPING NORTH CAROLINA'S ENVIRONMENTAL LITERACY PLAN: SMART MINDS, GREENER FUTURE
Members of the N.C. Environmental Literacy Plan (ELP) Working Group will share strategies, challenges and outcomes for developing a state ELP including our timeline, writing process, state standards alignment, approach for gathering public support and feedback, and finished product.
Presenter(s): Sarah Yelton, Dana Haines (University of North Carolina at Chapel Hill), Shelby Laird (Auburn University), DeeDee Whitaker (Southwest Guilford High) EE Goes to School  IP, NCLI

10:30 AM - 11:10 AM  RCC 306A
EARTHBOX INSTRUCTIONAL SCHOOL GARDENS ENHANCE ENVIRONMENTAL EDUCATION OUTSIDE THE CLASSROOM
Attendees will learn how hundreds of Sustainable EarthBox Instructional School Gardens enhance environmental education outside the classroom, capitalize on links between EE and healthy living educational requirements, and improve academic achievement, citizenship skills and health.
Presenter(s): Molly Philbin (EarthBox) Environmental Justice  IP, NCLI

10:30 AM - 11:10 AM  RCC 301A
EFS IN WISCONSIN SCHOOLS: WHAT DOES IT LOOK LIKE?
The Wisconsin Center for Environmental Education is working to integrate Education for Sustainability into schools' curriculum, culture, and operations. We'll share what EFS looks like in schools, challenges, successes, future directions, and recommendations from our experiences.
Presenter(s): Jeremy Solin (LEAF/Wisconsin Center for EE), Sunshine Buchholz (Wisconsin Center for EE) EE Goes to School  IP, SE

10:30 AM - 11:10 AM  RCC 305A
ENVIRONMENTAL JUSTICE AS A MOTIVATOR FOR ENGAGEMENT WITH INNER-CITY TEENS
One of the biggest challenges for high school teachers is student engagement. Learn how an environmental justice unit incorporated into a general science curriculum at an alternative public high school in Milwaukee effected student engagement. Discuss critical processes to replicate.
Presenter(s): Joey Zocher (Loyola Academy High School) Environmental Justice  DV, IP

10:35 AM - 11:00 AM  RCC 305B
FREE AND ALIVE, CULTIVATING NATURAL INTELLIGENCE Film Presentation
The human brain is the most beautiful thing in the natural world. When kids explore nature, it's their own brains they are discovering, while at the same time reveling in the things that make childhood thrive – wonder, surprise and delight.
Presenter(s): John Klein (kleinfilm) EE Goes to School  IP, NCLI
11:00 AM - 11:20 AM  RCC 202
CONNECTING TO PLACE THROUGH NATURE STUDY: EXAMPLES FROM SUMMER SCHOOL
Summer school is an uncommon but advantageous venue for EE in K-12 education. Preliminary research results regarding a summer school program and local place connection will be shared. Implications for others providing EE in summer school will also be discussed.
Presenter(s): Joel Pontius (University of Wyoming)
EE Goes to School  IP, NCLI

11:00 AM - 11:20 AM  RCC 307
WEAVING THE FOUR STRANDS OF SCIENCE INTO WATERSHED INQUIRY
The National Research Council's Four Strands of Science provides an excellent framework for helping teachers contextualize (and justify) watershed-related inquiry within curricular goals. Our nature center created an effective model for ES and MS teachers based on the strands.
Presenter(s): Elise Sheffield (Boxerwood Nature Center)
EE Goes to School  IP

11:00 AM - 11:30 AM  RCC 305B
ONLINE AND OFFLINE: CONNECTING TEENS AND THE ENVIRONMENT Film Presentation
Planet Connect piques teens' interest in the environment with grants, video contests, information on internships and green colleges and social media tools. We will showcase the innovative methods Planet Connect uses to communicate the environment's importance to teens.
Presenter(s): David Lanham (National EE Foundation)
EE Goes to School  IP, SE

11:10 AM - 11:30 AM  RCC 305A
DISCUSSION OF FREE AND ALIVE, CULTIVATING NATURAL INTELLIGENCE
Filmmaker John Klein answers audience questions about the production of his film.
Presenter(s): John Klein (kleinfilm)
EE Goes to School  DV, IP

11:30 AM - 1:30 PM  Ballroom B & C (BR-BC)
ANNUAL AWARDS LUNCHEON
One of the conference highlights is recognizing our peers for their accomplishments in the past year. Most know in advance that they're receiving an award, but highly anticipated are the winners of the Jeske Award, NAAEE's highest honor, and the President's Award. If you know, don't tell so it will be a surprise!

1:45 PM - 2:05 PM  RCC 203
GREEN BURIAL: AN ECOJUSTICE EDUCATION PERSPECTIVE
Ecojustice education is an emergent field that illuminates the environmental costs of everyday affairs. This approach will be contextualized through a lesson about traditional forms of burial vs. alternatives. Engaging students with this issue can promote ethical and epistemological development.
Presenter(s): Michael Bentley (University of Tennessee)
Environmental Justice  IP, SE

1:45 PM - 2:05 PM  RCC 202
TEACHING CLIMATE CHANGE: EVALUATION OF TWO NON-TRADITIONAL PROGRAMS
The U.S. EPA and the National Institutes of Health developed, implemented, and evaluated two non-traditional pilot programs in Durham, NC to improve student understanding of climate change: a 10-session after-school program (grades 6-8) and a one-week summer program (grades 11-12).
Presenter(s): Kelly Leovic (U.S. EPA), Bono Sen (EHP/National Institute of Environmental Health Sciences)
Climate Change Education  IP, SE

1:45 PM - 2:25 PM  RCC 306C
EPA ENVIRONMENTAL EDUCATION PROGRAMS & RESOURCES FOR STUDENTS & EDUCATORS
EPA's Environmental Education Program is evolving. Explore the free educational resources for students, educators and the public, and the changes to the President's Environmental Youth Awards, Environmental Education Grants, websites, internships, contests, fellowships, curriculum, guidelines, partnerships, information centers, and more.
Presenter(s): Laura Brown (U.S. EPA Mid-Atlantic Region), Megan Gavin (U.S. EPA Chicago), Sally Hanft (U.S. EPA - Seattle Regional Office), Teresa (Terry) Ippolito (U.S. EPA), Denise Morrison (U.S. EPA), Karen Scott (U.S. EPA), Al Stenstrup (American Forest Foundation)
Climate Change Education  IP, SE

1:45 PM - 2:25 PM  RCC 206
FORESTS, CARBON AND CLIMATE
Rainforest Alliance and Project Learning Tree share hands-on lessons to help students understand the carbon cycle and the role forests play in climate change. Deforestation accounts for 17% of global greenhouse gas emissions, equivalent to the world's entire transportation sector.
Presenter(s): Maria Ghiso (Rainforest Alliance), Julianne Schrader (Rainforest Alliance), Al Stenstrup (American Forest Foundation)
Climate Change Education  SE

1:45 PM - 2:25 PM  RCC 301A
FROM SEA TO INLAND SEA: COSEE FOSTERS OCEAN/GREAT LAKES LITERACY
COSEE fosters environmental literacy for 67% of Earth (the oceans) and 20% of Earth's fresh water (the Laurentian Great Lakes). Join COSEE directors to discuss your ocean definition and how Ocean/Great Lakes Literacy matches your school standards and curriculum.
Presenter(s): Rosanne Fortner (COSEE Great Lakes), Lundie Spence (COSEE SouthEast)
EE Goes to School  IP

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EE Goes to School  IP

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Presenter(s): Elise Sheffield (Boxerwood Nature Center)
EE Goes to School  IP
1:45 PM - 2:25 PM  
RCC 301B  
GREEN TEACHER MAGAZINE: LESSONS THAT WORK  
Tim Grant shows how Aka’ula students demonstrated favorite lessons from Green Teacher. Accompanying information will highlight how the lessons meet the Excellence in Environmental Education: Guidelines for Learning.  
Presenter(s): Tim Grant (Green Teacher)  
EE Goes to School

1:45 PM - 2:25 PM  
RCC 302A  
IMPLEMENTING EE FROM THE BOTTOM UP  
Learn how the Maryland State Department of Education choreographed a statewide EE implementation strategy, combining teacher professional development in issues investigation and content, with direct planning with each school district to develop a systematic and embedded implementation strategy.  
Presenter(s): LeeAnn Hutchison (Md. State Department of Education), Rebecca Bell (Facing the Future)  
EE Goes to School

1:45 PM - 2:25 PM  
RCC 305A  
INTRODUCING STUDENTS TO ENVIRONMENTAL JUSTICE: A NORTH CAROLINA CASE STUDY  
UNC-Chapel Hill’s Superfund Research Program presents a lesson designed to introduce 8th-12th grade students to the concept of environmental justice by considering a North Carolina case study that involved a hazardous waste landfill and launched the national movement.  
Presenter(s): Dana Haine (University of North Carolina at Chapel Hill)  
Environmental Justice

1:45 PM - 2:25 PM  
RCC 201  
MAGICAL CONNECTIONS: USING MUSIC TO INSPIRE ENVIRONMENTAL ACTION  
Lessons we have learned about connecting the environment and music are the focus of this session. Come get lessons that have been created and tested to motivate students to be responsible environmental stewards, while achieving curriculum objectives.  
Presenter(s): Joseph Baust, John Shorrt, Judy Hayden  
EE Goes to School

1:45 PM - 2:25 PM  
RCC 302B  
NATURE’S ENGINEERS: CONNECTING STEM EDUCATION WITH ENVIRONMENT LITERACY  
To improve STEM education and promote environmental literacy, UNCW developed a K-8 curriculum featuring nature as an engineer. Utilizing student interest in wildlife and technology, it introduces students to organisms that engineer their environment, biomimicry, and environmental monitoring via technology.  
Presenter(s): Sue Kezios (University of North Carolina Wilmington)  
EE Goes to School

1:45 PM - 2:25 PM  
RCC 302C  
NO TEACHER LEFT INSIDE – 4-H WILDLIFE STEWARDS FOR OUTSIDE  
Students, teachers, and 4-H Wildlife Stewards working together create habitats on school grounds using research based management practices. This class explains the nationally recognized model and how to incorporate it into your program. You’ll take home usable curriculum and ideas.  
Presenter(s): Robin Galloway (Oregon State University)  
EE Goes to School

1:45 PM - 2:25 PM  
RCC 306B  
SUMMER ECOLOGY EXPERIENCES MAKE THE GRADE  
Planning meaningful, high quality, interdisciplinary environmental education field trips during the school year can be problematic. Planning and implementing a week long summer ecology experience in your state can be professionally invigorating and pay big dividends for students.  
Presenter(s): Mike Sustin (West Geauga Local Schools)  
EE Goes to School

1:45 PM - 2:25 PM  
RCC 204  
UNDERCURRENTS: A MIDDLE SCHOOL TEACHER’S GUIDE TO LITTER  
North Carolina Big Sweep, with North Carolina Sea Grant, recently published a sequel to Ripples and Splish Splash. Learn about Undercurrents, the new guide for middle school teachers, and discover litter awareness activities for the classroom and schoolyard.  
Presenter(s): Terri Hathaway (NC Sea Grant)  
EE Goes to School

1:45 PM - 3:05 PM  
RCC 303  
HIGH SCHOOL LEVEL COOPERATIVE TEACHING AT AN ENVIRONMENTAL EDUCATION CENTER  
Classroom teachers learn creative techniques and form new connections with their students as they co-teach alongside EE professionals at Great Smoky Mountains Institute at Tremont. With our newest curriculum, high school groups are now included in this innovative co-teaching program.  
Presenter(s): Jennie McGuigan (Great Smoky Mountains Inst. at Tremont)  
EE Goes to School

1:45 PM - 3:05 PM  
RCC 304  
SEVEN BILLION AND COUNTING: EXPLORING POPULATION ISSUES IN THE CLASSROOM  
World population tops seven billion this fall, creating a teachable moment for the classroom. Discover timely, interdisciplinary teaching activities to help students explore the connections between population growth, resource competition, and the health of ecosystems and communities. Free activities CD-ROM.  
Presenter(s): Lindsey Bailey (Population Connection)  
Environmental Issues in EE

1:45 PM - 3:05 PM  
RCC 305B  
NEUSE RIVERKEEPERS STUDENT DOCUMENTARY FILM CONTEST – Film Presentation  
Exploris Middle School students and teachers will share films and discuss experience participating in the Neuse Riverkeeper Foundation Film Festival. Five- to seven-minute student documentaries investigate local water issues as part of integrated curriculum studies.  
Presenter(s): Devon Banks (Exploris Middle School)  
Environmental Issues in EE
SATURDAY SESSION DESCRIPTIONS  2:45 PM

2:15 PM - 2:35 PM  RCC 203  ELEMENTARY SCIENCE: INDOOR AND OUTDOOR LEARNING  The research project described here examined two North Carolina elementary schools' science programs to explore student and teacher thinking about the outdoors and school science. Measures of science knowledge, environmental attitudes, and outdoor comfort combine with classroom observations and interviews.  Presenter(s): Sarah Carrier (NCSU), Linda Tugurian (NCSU)  EE Goes to School  NCLI, RE

2:15 PM - 2:35 PM  RCC 202  SCHOOLYARD DEMONSTRATIONS FOR ENVIROMENTAL BENEFIT  Learn about the Albemarle-Pamlico National Estuary Program's experience partnering with others to build demonstration projects on schoolyards over the past 10 years. This presentation will provide an overview of these projects and lesson learned in design and implementation.  Presenter(s): William (Bill) Crowell (Prescott College)  EE Goes to School  IP, SE

2:30 PM - 2:55 PM  RCC 306B  DISCUSSION OF NEUSE RIVERKEEPERS STUDENT DOCUMENTARY FILM CONTEST  Students and teachers answer questions about their films.  Presenter(s): Devon Banks (Exploris Middle School)  Environmental Issues in EE  AR

2:35 PM - 3:40 PM  RCC 305B  VOICES OF THE INUIT– Film Presentation  Inuit natives of northern Canada are first to feel the most serious consequences of global climate change. Changes in animal behavior impact the subsistence of the animals and the survival of Inuit culture and daily life.  Presenter(s): Carlos Velazquez  Climate Change Education  IT, SE

2:45 PM - 3:25 PM  RCC 201  CLEAN AIR STUDENT TRAINING CLASSROOM CURRICULA  The Clean Air Student Training curriculum provides hands-on education focused on causes and solutions to air quality and climate issues for middle and high school students. Participants will receive the curriculum.  Presenter(s): Keith Bamberger (NC Division of Air Quality)  Climate Change Education  IP, SE

2:45 PM - 3:25 PM  RCC 301A  GREENSCHOOL!  Project Learning Tree's GreenSchool! program connects PLT classroom activities and environmental service-learning projects. Join us to learn more about the program, how to organize a GreenSchool! training, and get free access to PLT GreenSchools! resources and materials online.  Presenter(s): Al Stenstrup (American Forest Foundation), Jackie Stallard (Project Learning Tree)  EE Goes to School  IP, SE

2:45 PM - 3:25 PM  RCC 301B  HEADING OUT! DISCOVERING NATURE'S CLASSROOM  Learn how a dedicated partnership teamed together to help Pre-K and elementary educators successfully incorporate outdoor experiences, nature play, and art into their curriculum in an effort to improve student health and learning. Sample activities will be shared.  Presenter(s): Elizabeth Lake, Sue Espersen (First Environments Early Learning Center), William (Bill) Crowell (Prescott College), Sarah Yelton  EE Goes to School  AR, NCLI

2:45 PM - 3:25 PM  RCC 305A  MAKING GLOBAL CONNECTIONS: TECHNIQUES FOR LINKING ENVIRONMENTAL AND SOCIAL ISSUES  Learn how to design and implement low-cost, hands-on simulations, role-plays, games, cooperative jigsaw activities, invention challenges, and service learning projects focusing on 21st century global issues using a combined environmental science and social studies perspective.  Presenter(s): Linda Cronin-Jones (University of Florida)  Environmental Justice  IT, SE

2:45 PM - 3:25 PM  RCC 302A  ONE TEACHER'S QUEST TO TEACH VIRGINIA STANDARDS USING PLACE-BASED STRATEGIES  In the high stakes world of education when many teachers have abandoned best teaching practices, a fourth grade classroom teacher successfully teaches lessons in all subject areas of the Virginia standards in an outdoor setting using place-based education strategies.  Presenter(s): Judith Fitzpatrick (Teacher)  EE Goes to School  IP, NCLI

2:45 PM - 3:25 PM  RCC 302B  PROJECT SEARCH - BOYUS, NON-TRADITIONAL STEM FIELDS, AND POLICY-READY CITIZEN SCIENCE  This session is part of the NOAA-funded Project SEARCH. We will share fully integrated EE + STEM activities that focus on the development and use of student constructed observational buoys. Participants will have an opportunity to engage in hands-on lessons.  Presenter(s): Daniel Dickerson (Old Dominion University)  EE Goes to School  DV, IP

2:45 PM - 3:25 PM  RCC 302C  PURPOSEFUL CONNECTIONS OF EDUCATIONAL THEORY AND ENVIRONMENTAL SCIENCE  This session delves into sound teaching practices and child development theory; connecting these aspects to environmental education. It looks at how college institutions could teach these concepts to pre-service teachers and current teachers in the field of elementary education.  Presenter(s): Irene Den Bleyker (University of New Mexico)  EE Goes to School  IP, SE

2:45 PM - 3:25 PM  RCC 307  TAKING ISSUES INVESTIGATION TO THE NEXT LEVEL  Learn about the development and implementation of the Maryland State Department of Education ELit Standards. Learn how IEEIA is used as a beginning point to involve high school students in a research/mentoring program which leads students towards careers in environmental science.  Presenter(s): Rebecca Bell (Facing the Future)  Environmental Issues in EE  YP, IP

2:45 PM - 3:25 PM  RCC 205  TEACHING ENVIRONMENTAL EDUCATION USING WEB-BASED GIS  Teaching about water, energy, ecoregions, invasive species, and other issues and concepts from local to global scale can be enhanced by the use of powerful and free web-based GIS tools.  Presenter(s): Joseph Kerski (Environmental Systems Research Institute)  Climate Change Education  YP, IP

NAAEE 40TH ANNIVERSARY CONFERENCE, OCTOBER 12-15, 2011  75
2:45 PM - 3:25 PM  RCC 306A
THE ARTS AND NATURE: AGE-APPROPRIATE ENVIRONMENTAL EDUCATION FOR YOUNG CHILDREN
This interactive session will provide basic guidelines for developing and implementing an early childhood EE program that fosters young children's sense of wonder. Ideas will be shared that help children express their knowledge and personal interpretation of the world.
Presenter(s): Julie Rose (Dimensions Educational Research Foundation)
EE Goes to School AR, IP

2:45 PM - 3:25 PM  RCC 306C
THE NO CHILD LEFT INSIDE ACT: SYSTEMIC EE IN K-12 SCHOOLS
Get caught up on the No Child Left Inside Act, a federal bill to increase environmental education in K-12 schools. Learn how changes in the 112th Congress may affect NCLI and the reauthorization of the Elementary and Secondary Education Act.
Presenter(s): Danielle Moodie (National Wildlife Federation), Sarah Bodor (Chesapeake Bay Foundation)
Network and Leadership Development NCLI

2:45 PM - 3:25 PM  RCC 204
WILDLIFE OLYMPICS: PROVIDING PHYSICAL ACTIVITY WHILE MEETING STATE EDUCATIONAL STANDARDS
Participants will learn how to assemble activity stations where preschoolers through second graders will physically mimic wildlife. These stations can be modified for local use to meet curriculum standards. Be prepared to have fun while we try out the stations!
Presenter(s): Cindy Heffley (USFWS-Alligator River & Pea Island National Wildlife Refuges)
EE Goes to School IP, NCLI

3:45 PM - 4:00 PM  RCC 305B
DISCUSSION OF VOICES OF THE INUIT FILM
Carlos Velazquez will show artifacts and discuss the film.
Presenter(s): Carlos Velazquez
Climate Change Education DV

CLOSING NETWORKING EVENT
7:00 PM – 10:00 PM  Location to be announced – pick up a map at the Welcome to North Carolina table.
RALEIGH PREMIERE: BEST OF GLOBAL SUSTAINABILITY
Join EENC, the Green Living Project, and others for an exciting multi-media event showcasing award-winning documentary films celebrating environmental conservation and sustainability-related initiatives around the globe. This "Raleigh Premiere" features films covering environmental education, wildlife conservation, sustainable tourism, organic food, and community development across Africa, South America, Central America, and the U.S. An inspiring, entertaining and fun event, it also includes: local food/beer/wine, live music, special guest speakers, door and raffle prizes, and much more!

10:30 PM - 11:55 PM  Marriott Congressional A
LATE NIGHT SING ALONG
Bring your instruments, your songbooks, your voices, your enthusiasm for this very casual self-directed jam session—a long-time NAAEE tradition. There's no "leader" here – whoever shows up to sing is in charge.

NAAEE 40TH ANNIVERSARY CONFERENCE, OCTOBER 12-15, 2011
You are cordially invited to a special presentation of Mobile Cinema Park featuring 3D technology, Interactive Gaming Remotes, Special Lighting Effects and more! Come see the new cool way to learn and have extraordinary FUN at the same time!

- provide educators with a fun way to enrich curriculum
- reinforces current lessons and topics
- saves on bus cost
- meets Standard Course of Study Objectives

Planet Home Environment Awareness Program
NAAEE Conference October 15, 2011
1:45pm – 2:30pm
2:45pm – 3:30pm
Raleigh Convention Center
Raleigh, NC 27601
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WiFi Access & Cyber Café
WiFi is available in public areas around the perimeter of the Convention Center. The meeting rooms, ballrooms and exhibit hall do not have WiFi access unless you pay for it separately. NAAEE has set up a small Cyber Café so you can access the Internet. Please be courteous to others and only use the computers for 20 minutes.

What is Sustainable Raleigh?
Raleigh walks the talk – in energy, transportation, social equity, and stewardship. Be inspired! Be moved!
Get out and experience this award-winning city.
http://www.raleighnc.gov/home/content/AdminServSustain/Articles/WhatRaleighIsDoing.html

A core value of the City of Raleigh is growing an appreciation for art, especially public art. From “Art on the Move” (buses) to Public Art on City Plaza to Balloon Boys’ murals, you’ll find art all around you:
http://www.ncsu.edu/features/2011/08/larger-than-life/
http://www.raleighnc.gov/arts/content/CityMgrArts/Articles/publicarthistory.html

Stop by Greater Raleigh Convention and Visitor Center’s welcome booth near the NAAEE registration desk where Tourism Ambassadors will help you find plenty to see and do. They provide complimentary visitor guides, maps, shopping/dining and attractions information and the ZSPOT Card/SMART Card edition which saves you money.

How SMART are You?
The ZSPOT Card/SMART Card edition will save you money at over 300 area businesses and restaurants. Come by the Welcome to North Carolina table in the RCC Grand Lobby to get your free SMART Card, and learn more at http://www.zspotcard.com/

“R” is for More than Raleigh
R is also for “R Line”, the greenest way to get around downtown. This hybrid electric/complementary shuttle runs every 10-12 minutes and connects you to restaurants, clubs and attractions. See http://www.godowntownraleigh.com/get-around/r-line for maps, apps and schedules.

Child Care
Please consult the concierge at your hotel for recommended child care services.

Photography
Participation in conference events constitutes permission to use your likeness for any non-commercial uses as deemed appropriate by NAAEE. Photographs will be taken at all conference events. All photographs will be used only for news and NAAEE promotion purposes.

Smoking Policy
NAAEE maintains a no-smoking policy during all conference sessions and events.

Equal Opportunity
The NAAEE conference is offered to participants on a non-discriminatory basis without regard to race, color, national origin, sex, disability, or age.

Special Needs
If you have any special or accessibility needs, please stop by the registration area for assistance. All facilities used in Raleigh are ADA compliant.
Affordability Scholarships
Again this year, NAAEE offered assistance to applicants without adequate funding to attend the annual conference, providing an affordable way to get the professional development that this annual meeting provides. Scholarships for a discounted conference registration were offered to 14 people this year.

International Scholar
Thanks to the generous donations of NAAEE members, we were able to offer one full conference registration to a scholar from outside North America.

NAAEE Columbia Sportswear Teacher Scholarships
The 2011 NAAEE Columbia Sportswear Teacher Scholarship is a teacher/administrator award that recognizes a teacher’s achievement in environmental education in his/her classroom and the administrator who supported his/her endeavors. This scholarship is the first of its kind to recognize that for a teacher to succeed at carrying out a good program they need support from an administrator. The scholarship includes a “Full Conference” registration for a teacher and supporting administrator to attend the conference. The scholarship also includes $1,000 in Columbia Sportswear product for the teacher and $1,000 in Columbia Sportswear product for the named supportive administrator.

John Jung, teacher, and Pete Leser, former principal, Mesa High School, Tempe AZ (Leser is now assistant superintendent of Mesa Public Schools)
Charli Powers, Timber Lake Job Corps, Sandy OR, and Sharon Hernandez, Deputy Center Director

NAAEE Disney Planet Challenge Teacher Scholarships
The scholarship includes a “Full Conference” registration for a teacher to attend the conference and a one year membership in NAAEE.
Kari Barrett, General Greene School of Science and Technology, Jamestown NC
Frank McKay, Exploris Middle School, Raleigh NC
Brittany Moss, Harris County High School, Pine Mountain GA

North Carolina Academic Scholarships
Scholarship recipients are awarded $1,000, a free full conference registration and a one-year student membership.
Alexandra Kay, Elon University
Katie Hicks, Montreat College

One-year student memberships:
Audrey Singer, UNC at Chapel Hill
Reama Pearson, NC A&T State University
Octavia Sola, Warren Wilson College

Stapp Scholarships
The Stapp Fund was established in 2001 in honor of NAAEE international leader Dr. Bill Stapp (1930-2001) to help students from around the world attend NAAEE’s annual conference. The scholarships are made possible through generous donations from NAAEE members and from the Silent and Live Auctions held each year at the NAAEE Annual Conference.

Susan Baron
Katie Boseo
Matthew Browning
Jason Corwin
Rebecca Franzen
Kathayoon Khalil
Lincoln Larson
Kathleen O’Connor
Kimberly Pierce
Cheston Saunders
Kathryn Tate
Jennifer Travis
Deborah Wojcik
Yan Zhu

TURTLE TIP: Not Your Ordinary Jack o’Lanterns!
Glowing pumpkins featuring hand-carved autumn designs will welcome you to North Carolina and NAAEE’s opening ceremony! We think you’ll agree that our locally grown and artistically sculpted pumpkin lanterns are gourd-geous! Courtesy of Kay Bullard, Cumberland Soil and Water Conservation District in Fayetteville, NC.
Congratulations to our Certified Environmental Educators

The following conference participants have been certified as professional environmental educators in the states indicated.

**Colorado**
Shawna Crocker
Katie Navin

**Georgia**
Ami Flowers
Babs McDonald

**Kentucky**
Joseph Baust
Billy Bennett
Roberta Burnes
Eric Comley
April Haight
Robin Hume
Jeanine Huss
Cheryl Messenger
Amanda Patrick
Merin Roseman
Elizabeth Schmitz
Debra Spillman
David Wicks
Melinda Wilder
Terry Wilson

**North Carolina**
Jane Allen
Susan Andreatta
Elizabeth Baird
Keith Bamberger
Lori Blake
Colleen Bockhahn
John Boesch
Carmen Boyette
Matthew Browning
Kimberly Burge
Elizabeth Burke
Karen Clark
Beth Cranford
William Crowell
Patrick Curley
Martha Fisk
Elizabeth Folta
Sarah Fuller-Allman
Jeanna Goodson
Stacy Gray
Terri Hathaway
D’Nise Hefner
Loren Hintz
Kelly Hoke
Sheila Jones
Rebecca Kirlin
Shelby Laird
Grace Lawrence
Kelly Leovic
Catherine Matthews
Dana Matics
Ann May
Ire McGee
Frank McKay
Deborah Miller
Lois Nixon
Mary Blair Ogburn
Kelly Onderk
Lara Overby
Sarah Palmer
Rhana Paris
Sarah Phillips

**Texas**
Brenda Weiser

**Utah**
Andree’ Walker Bravo
Jennifer Visitacion

TURTLE TIP: Where our food comes from: The North Carolina “10%” program is a commitment to purchase at least 10% of the food served at our conference from local sources. Lots of fresh produce comes from local Farmers’ Markets.

Where our leftovers go: Local food banks receive useable leftover food. All other food wastes are composted. No food goes in the landfill!
As a Progress Energy efficiency expert, I know how to help you save energy and money. And with a household to run, I understand why it matters. I can help you manage your bill with efficiency tips, equal payment plans and online energy analysis. Get the energy help you need from Progress Energy. Visit progress-energy.com.

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Alternatives is Canada’s environmental magazine, celebrating 40 years of publishing in 2011.

Subscribe today at: alternativesjournal.ca
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<th>Years</th>
<th>Conference Location</th>
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<td>1973-1974</td>
<td>St. Louis, MO</td>
<td>George R. Francis, University of Waterloo, Ontario, Canada</td>
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<td>1975-1976</td>
<td>New Orleans, LA</td>
<td>Arden L. Pratt, Southern Illinois University-Carbondale, IL</td>
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<td>1976-1977</td>
<td>Atlanta, GA</td>
<td>Robert E. Roth, The Ohio State University, OH</td>
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<td>James J. Gallagher, Michigan State University, MI</td>
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<td>Robert Marlett, Texas Tech University, TX</td>
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<td>John C. Miller, Minnesota Department of Education, MN</td>
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<td>1980-1981</td>
<td>Albuquerque, NM</td>
<td>Clay Schoenfeld, University of Wisconsin-Madison, WI</td>
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<td>Kentucky Dam</td>
<td>Craig B. Davis, Iowa State University, IA</td>
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<td>Judith M. Schultz, University of Cincinnati, OH</td>
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<td>Ypsilanti, MI</td>
<td>William B. Stapp, The University of Michigan, MI</td>
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<td>Arthur B. Sacks, University of Wisconsin-Madison, WI</td>
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<td>William G. Berberet, Willamette University, Salem, OR</td>
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<td>1988-1989</td>
<td>Estes Park, CO</td>
<td>Louis A. Iozzi, Cook College, Rutgers, NJ</td>
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<td>1989</td>
<td>San Antonio, TX</td>
<td>Richard J. Wilke, University of Wisconsin, WI</td>
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<td>1991</td>
<td>Toronto, Canada</td>
<td>Lori Mann, Coyote Point Museum, Burlingame, CA</td>
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<tr>
<td>1992</td>
<td>Big Sky, MT</td>
<td>John Baldwin, University of Oregon, Eugene, OR</td>
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<td>1993</td>
<td>Cancun, Mexico</td>
<td>Lynn Hodges, TVA, Knoxville, TN</td>
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<td>1994</td>
<td>Portland, ME</td>
<td>Kathy McGlauflin, PLT, Washington, DC</td>
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<td>1995</td>
<td>Burlingame, CA</td>
<td>Bora Simmons, Northern Illinois University, DeKalb, IL</td>
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<td>1996</td>
<td>Vancouver, Canada</td>
<td>Peter Blaze Corcoran, Florida Gulf Coast University, Sanibel, FL</td>
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<td>1997</td>
<td>Atlanta, GA</td>
<td>Paul Zeph, National Audubon Society, Des Moines, IA</td>
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<td>1998</td>
<td>Cincinnati, OH</td>
<td>Judy Braus, World Wildlife Fund, Washington, DC</td>
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<td>1999</td>
<td>South Padre Island, TX</td>
<td>David Wicks, Jefferson County Public Schools, Louisville, KY</td>
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<td>2000</td>
<td>Little Rock, AR</td>
<td>Elaine Andrews, University of Wisconsin Extension, Madison WI</td>
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<td>2001</td>
<td>Boston, MA</td>
<td>Terry Wilson, Western Kentucky University, Bowling Green, KY</td>
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<td>2002</td>
<td>Anchorage, AK</td>
<td>Joe Heimlich, The Ohio State University, Columbus, OH</td>
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<td>2003</td>
<td>Biloxi, MS</td>
<td>Abigail Ruskey, National EE Advancement Project, UW-Stevens Point, WI</td>
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<td>2004</td>
<td>Albuquerque, NM</td>
<td>Joseph Baust, Murray State University, Murray, KY</td>
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<td>2005</td>
<td>St. Paul, MN</td>
<td>Martha Monroe, University of Florida, Gainesville, FL</td>
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<tr>
<td>2006</td>
<td>Virginia Beach, VA</td>
<td>Karen Hollweg, Consultant, Boulder, CO</td>
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<td>2007</td>
<td>Wichita, KS</td>
<td>Diane Cantrell, Consultant, OH</td>
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<td>2008</td>
<td>Portland, OR</td>
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<td>2009</td>
<td>Buffalo-Niagara NY</td>
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<tr>
<td>2010</td>
<td>Raleigh, NC</td>
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This page gratefully acknowledges those who provide so much time and talent to NAAEE and to all the volunteers who do the work of our organization, whose names are too numerous to print here.

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