
**Sustainability Education
for the 21st Century**



Date: March 19, 2009

Time: 8:00 AM – 4:00 PM

**Central Connecticut
State University
New Britain, CT**

The CT Outdoor Environmental Educators Association (COEEA) & the CT Partnership for Sustainability Education (CPSE)

Welcome Keynote Speaker Debra Rowe, Ph.D.



Dr. Rowe is a leading figure in the education for sustainable development movement. She is the **President of the U.S. Partnership for Education for Sustainable Development** (www.uspartnership.org) and serves on many other nationally prominent sustainability foundations. She is Senior Advisor to the Association for the Advancement of Sustainability in Higher Education, and a Senior Fellow of the Association of University Leaders for a Sustainable Future. She is a Professor of Sustainable Energies and Behavioral Sciences at Oakland Community College in Michigan.

Dr. Rowe received her Ph.D. in Business from the School of Business Administration at the University of Michigan in 1991. She received her M.A. in Psychology and her M.B.A. in Business from the University of Michigan in Ann Arbor in 1989 and 1988. Debra's Bachelor's degree is from Yale University in 1977.

Brief History of the Sustainable Development Movement

Sustainable development is defined by the United Nations (Brundtland Commission, 1987) as development that “meets the needs of the present without compromising the ability of future generations to meet their own needs.” The concept of sustainability evolved from the work of the World Commission on Environment and Development established in 1987 by the United Nations to examine worldwide problems of environmental deterioration and its relationship to hunger, poverty, public health and human rights violations and potential social unrest. The report concluded that dominant patterns of production and consumption were no longer sustainable and were depleting the planet’s finite resources and damaging life-supporting ecosystems.

The report emphasized the need to restore the Earth’s ecosystems, eradicate poverty, and provide all citizens with a natural and social environment that is supportive of human dignity, health, and well-being.

The logo of the U.S. Partnership depicts the three interdependent and mutually reinforcing pillars of environmental sustainability, economic sustainability, and social sustainability. The U.S. Partnership and its state affiliate, the Connecticut Partnership for Sustainability Education, Inc., strives to integrate the values, behaviors, and lifestyles required for a sustainable future into teaching and learning in both K-12 and higher education.



2009 COEEA & CPSE CONFERENCE

SCHEDULE AT A GLANCE

8:00 - 8:45 am	Registration and Refreshments
8:45 - 9:00 am	Welcome
9:00 - 10:00 am	Keynote Speaker Dr. Debra Rowe, Ph.D. Alumni Hall
10:10 - 11:25 am	Session A, Workshops
11:35 - 12:50 pm	Session B, Workshops
1:00 - 2:00 pm	Lunch, COEEA Awards and Exhibits
2:10 - 3:00 pm	Session C, Mini-panels
3:10 - 4:00 pm	Plenary Panel

MISSIONS OF COEEA AND CPSE



COEEA's mission is to support Connecticut's outdoor and environmental educators as they promote responsible environmental stewardship.

**Connecticut Partnership
for Sustainability Education, Inc.**

CPSE's mission is to foster education for sustainable development in Connecticut according to the principals and values established by the United Nations Decade for Education for Sustainable Development, the Earth Charter, and the U.S. Partnership for Education for Sustainable Development.

CONFERENCE SPONSORS



REGISTRATION PROCEDURE

To register for the conference, please visit <http://ctlearning.net/COEEA>

If you are unable to register online and require a paper registration contact: Kim Benton at membership@cocea.org

Registration for the conference includes all conference expenses as well as a one-year membership with COEEA and the Connecticut Partnership for Sustainability Education.

Full conference registration is provided to all levels of membership. The following costs reflect a \$10 early bird discount for registration before March 1, 2009. Membership levels are as follows:

Regular Professional - Defined as a full or part-time employee in the field of formal or informal education, administration, research or service within environmental careers, education systems or organizations. Cost: \$85

Retired Professional - Same as membership listed above, but those who have retired from full time careers. This membership level reflects full conference participation and privileges of membership but with a reduction in fees. Cost: \$70

Student - For those currently enrolled in colleges, universities or technical training systems, pursuing higher degrees or specialized training. This level provides a reduced fee, you will be asked to show a student ID at the Conference Registration Table. Cost: \$45

Group/Organization- If you would like to register a group of individuals for the conference from your organization or facility, please contact Kim Benton at membership@cocea.org.

Keynote Only- Includes attendance to the keynote only. Cost: \$20

Financial Aid Request- A limited number of scholarships are available for those with financial need. If you would be unable to attend the conference without financial assistance please choose this category. With your financial aid request registration, you will be asked to volunteer a small portion of your time to assist at the conference. Your volunteered time will not interfere with your participation in workshops, lunch or networking. Some sample volunteer jobs may include, workshop moderator, registration, or conference set up/take down. Upon completion of the registration you will be contacted to confirm receipt of your request and to discuss your specific volunteer assignment.

GENERAL CONFERENCE INFORMATION

Location

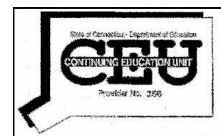
The conference will be held in the Student Center on the Central CT State University campus in New Britain, CT. Directions to the site are included at the end of this brochure.

Our Ecological Footprint

In order to reduce our environmental impact, we ask that you please bring a name tag, paper, writing utensil, and coffee mug. Also, look for and utilize the recycling bins around campus. With your help, we can reduce the “ecological footprint” of this conference.

Continuing Education Units

0.6 CEUs are available for those educators that need them. Please be sure to sign in at the start of the day and sign out at the end of the day.



Exhibits

Exhibits from a variety of organizations will be showcased in Alumni Hall from 10:00 am – 2:00 pm.

Session A Workshops

A1. Civics and the Environment – Lori Brant, CT Forest & Park Association

Democratic societies depend on involvement of citizens in policy making and decision making. Discover engaging activities that will help your students learn about the roles and responsibilities of various groups in environmental policies as well as how young people can become involved in the process. Enjoy interdisciplinary activities from Project Learning Tree that address service learning and civics.

A2. Energy Thinking – Arianna Collins, Northeast Sustainable Energy Association (NESEA)

Help empower your school and community! Gain a better understanding of scientific principles related to energy transformations, electricity, and light, which are central to many renewable energy technologies. Experiment with electric generators powered by wind, water, and light. Learn hands-on activities you can use to teach your students about renewable energy.

A3. Sustainable Fishing – MaryEllen Mateleska, Mystic Aquarium & Institute for Exploration

Through hands on activities you will learn the various techniques that are used in commercial and recreational fishing, learn how by-catch affects the ocean ecosystem, as well as explore current fishing regulations. At the conclusion of the program you will have gained the knowledge to become more responsible seafood consumers.

A4. Real World Projects – Karen Zwick, Cold Spring School

This workshop will discuss the process Cold Spring School students went through for creating environmental podcasts in the classroom. Providing students with incredible opportunities for exploration, the podcasts facilitate independent thinking and creative problem solving. Interacting with the environment, students learn to analyze issues from geographical, historical and ethical perspectives.

A5. Creating a GREEN School – Marjorie Drucker & Nicholas Perrone, Barnard Environmental Studies Magnet School

We will share strategies, and provide helpful resources to create school partnerships, begin exciting programs, and utilize technology in your school to make it GREENER. This will be especially helpful to schools that are new or completely revising their themes.

A6. Green Cuisine: Eating to Protect the Environment – Gowri Koneswaran, The Humane Society of the U.S. (HSUS)

The factory farming system that produces most of our meat, eggs, and milk not only threatens public health and impairs animal welfare—it devastates the environment. Animal agriculture even emits more greenhouse gases than the world's transportation. Learn how to present the issues to empower people to green their diets.

Session B Workshops

B1. We Eat the Foods We Grow – Nicholas Perrone & Marjorie Drucker, Barnard Environmental Studies Magnet School

This presentation will focus on using GrowBoxes and school gardens to have students grow their own food. We will share the ways that our school uses these resources and how they can help further a curriculum in environmental studies as well as health/well-being.

B2. The 100 Mile Diet – Sue Quincy, CT Dept of Environmental Protection

We have heard that buying local is good for the environment. But how and why? Through the use of materials provided by the Department of Agriculture and Project Food, Land and People you will be able to use the 100 Mile Diet concept to illustrate resource conservation and the power of choice.

B3. Communicating Climate Change & Sustainability to Multiple Audiences - Jim Sirch & David Heiser, Yale Peabody Museum of Natural History

An increasingly changing climate requires educators to teach about sustainability on both local and global levels. The Yale Peabody Museum is addressing this need through the traveling exhibition “Sustainable Choices”; an event-based unit on the lobster die-off in Long Island Sound; and high school students teaching about climate change on the Museum floor. Participants will leave with numerous resources about climate change and sustainability.

B4. No Child Left Inside at the National and State Level – Tedor Whitman, Connecticut’s Beardsley Zoo

An update of the No Child Left Inside bill and its possible impacts on EE within the state of Connecticut and upon COEEA in particular.

B5. Measuring Your Ecological Footprint – Laurel Kohl, Institute for Sustainable Energy, Eastern CT State University

How much of our world resources do you use? This paper calculator tool is the basis of a multifaceted lesson that spans grades 4-adult, plus free resources from www.ctenergyeducation.com.

B6. Sustainability as an Integrating Theme for 21st Century Learning – Matt Dubel, Sustainable Schools Project Coordinator, Shelburne Farms

Shelburne Farms’ Sustainable Schools Project works with schools to use sustainability as an integrating theme, linking curriculum, campus stewardship, and community engagement. Using conceptual frameworks, tools, and case studies drawn from our pilot sites, we’ll explore how the concept of sustainability can connect curricula, build common ground among community partners and engage students as citizens working toward a desirable future. Participants will work collaboratively to imagine the possibilities for their own schools and communities.

Session C Mini-Panels

C1. Creating Sustainable School Communities

Schools have a special role to play in our society. As places of learning, our schools can help students understand our impact on the planet, and become places where sustainable living and working is modeled for the larger community.

Panelists: Matt Dubel, Shelburne Farms; Plato Karafelis, Wolcott Elementary; Heidi Golden, West Hartford Public Schools; Oliver Barton, Common Ground High School.

C2. Make a Difference through Service Learning

Service learning actively engages students in meaningful and personally relevant activities that explore societal issues and serve the community. Students utilize skills from across various disciplines and apply their learning toward solving real-world problems.

Panelists: Stephanie Sperber, Watkinson School; Tyson Boisvert, Big Picture High School; Lori Paradis-Brant, CT Forest & Parks Association; Linda Kalish, Girl Scouts.

C3. Learning Sustainability through Place-Based Education

Place-based education is a holistic approach to education, conservation and community development that uses the local community as an integrating context for learning at all ages. It fosters vibrant partnerships between schools and communities to both boost student achievement and improve community health and vitality-- environmental, social and economic. (from *Promise of Place*)

Panelists: Beth Piggush, CT Clean Energy Fund; Valerie Conoyeur, Amity High School; Kelly Matis, Mystic Aquarium; Bruce Morton, Goodwin College; Rebecca Ann Meyers, CT Energy Efficiency Fund.

C4. Healthy Food for a Healthy Planet

Sustainable food production and consumption is vital to maintaining a healthy planet. Food can be an effective way to integrate learning about sustainability principles and a fun way to put those principles into practice.

Panelists: Marissa Cloutier, University of Hartford; Joe Rodriguez, Bloomfield Farm-to-School Program; Bill Duesing, CT NOFA; Jerica Sandiford, Hartford Food Systems.

C5. Connecting Local and Global Sustainability Issues

Sustainability issues affect the entire planet but their solutions start close to home. How can we connect pressing global environmental, economic, and human rights issues to meaningful learning experiences at the local level?

Panelists: Madelyn Colon, State Treasurer's Office; Helena Nitowski, International Studies Magnet; Charles Button, Central CT State University; David Downey, Fairfield University; Meredith Miller, State Treasurer's Office.

Plenary Panel Information

Plenary Panel closing discussion from state leaders on the plans for developing state wide initiatives and plans for developing sustainable thinking, action and goals in the area of education, environment and public involvement. Representatives include leaders in Higher Education, Department of Environmental Protection and Public Organizations.

Directions to the Central CT State University Student Center Conference Site

From the North (Massachusetts):

Take 91 South to 84 West to Exit 39A, to Rte. 9 South.

Get off Exit 29 and take a right at the end of the exit ramp onto Ella T. Grasso Boulevard.

At the third traffic light, take a left into the Student Center Parking Lot and feel free to park in the garage in the event of inclement weather.

From the Southwest (Stamford/New Haven):

Take 95 North to 91 North to Exit 22 North, to Rte. 9 North.

Follow Rte. 9 North and take Exit 29, Rte. 175.

At the traffic light at the end of the exit ramp, go straight and follow Fenn Road to the second traffic light, and take a left turn onto Ella T. Grasso Boulevard.

At the fourth traffic light, take a left into the Student Center Parking Lot and feel free to park in the garage in the event of inclement weather.

From the Southeast (Groton/New London):

Take 95 South to Rte. 9 North to Exit 29, Rte. 175.

At the traffic light at the end of the exit ramp, go straight and follow Fenn Road to the second traffic light, and take a left turn onto Ella T. Grasso Boulevard.

At the fourth traffic light, take a left into the Student Center Parking Lot and feel free to park in the garage in the event of inclement weather.

From the East (Hartford):

Take 84 West to Exit 39A, to Rte. 9 South.

Get off Exit 29 and take a right at the end of the exit ramp onto Ella T. Grasso Boulevard.

At the third traffic light, take a left into the Student Center Parking Lot and feel free to park in the garage in cases of inclement weather.

From the West (Danbury/Waterbury):

Take 84 East to Exit 39A, to Rte. 9 South.

Get off Exit 29 and take a right at the end of the exit ramp onto Ella T. Grasso Boulevard.

At the third traffic light, take a left into the Student Center Parking Lot and feel free to park in the garage in the event of inclement weather.