

**U.S. Environmental Protection Agency
Collaborative Science and Technology Network for Sustainability (CNS)
Grantees Workshop**

*in Concert With the P3 (People, Prosperity and the Planet)
National Sustainable Design Expo*

**April 22 - 23, 2008
Grand Hyatt Washington
Washington, DC**

AGENDA

Tuesday, April 22, 2008

7:00 a.m. – 8:00 a.m. **Registration**

8:00 a.m. – 8:05 a.m. **Welcome**
Leanne Nurse, U.S. Environmental Protection Agency (EPA),
Office of Research and Development (ORD), National Center for
Environmental Research (NCER)

8:05 a.m. – 8:15 a.m. **Opening Remarks**
William H. Sanders III, EPA, ORD, Director, NCER

8:15 a.m. – 10:15 a.m. **CNS Project Briefs** (10 minutes per project)

Energy, Water, and Land Use: A Framework for Incorporating
Science Into Sustainable Regional Planning
Richard Taupier, University of Massachusetts

Building Sustainability Indicators To Assess the Physical, Social,
and Economic Values of Greening Cities—A Study of the Million
Trees Initiatives in Los Angeles, CA
Jean-Daniel Saphores, University of California at Irvine

Promoting Sustainable Pollutant Control Policies Through
Consideration of Social and Biological Indicators: An Application
to Mercury Control in New England
Mark Borsuk, Dartmouth College

Testing Sustainable Building Materials and Practices During Gulf
Coast Reconstruction
Jack Geibig, University of Tennessee

Metropolitan Accessibility and Transportation Sustainability:
Comparative Indicators for Policy Reform
Jonathan Levine, University of Michigan

Tuesday, April 22, 2008 (continued)

CNS Project Briefs, continued

Mapping Regional Development for Smart Growth Planning To Minimize Degradation of Water Quality and Enhance Green Infrastructure

Donald Katnik, Maine Department of Inland Fisheries and Wildlife

Reality Check Plus: Envisioning a Sustainable Maryland

Jason Sartori, University of Maryland

Glenn Moglen, University of Maryland

Sustainable Lake Management in Maine's Changing Landscape

Kathleen Bell, University of Maine

Partnership for Industrial Ecology in Central Ohio

Joseph Fiksel, Ohio State University

Grant Protection of Critical Source Areas for Achieving Long-Term Sustainability of Water Resources

Zeyuan Qiu, New Jersey Institute of Technology

10:15 a.m. – 1:00 p.m.

CNS Grantees' Visit P3 Expo and Lunch (on your own)

For more information on the P3 Expo, please visit:

<http://es.epa.gov/ncer/p3/expo/index.html>

Interagency Panels (at the Grand Hyatt Washington)

1:00 p.m. – 1:05 p.m.

Welcome to Panel Discussions

Diana Bauer, EPA, ORD, NCER

1:05 p.m. – 2:15 p.m.

Energy and Materials

Grecia Matos, U.S. Geological Survey

Joseph Fiksel, Ohio State University, Co-Director, Center for Resilience (CNS grantee)

Laura Draucker, EPA, ORD, National Risk Management Research Laboratory

- What types of models and metrics are most useful to understand materials and energy sustainability at a regional scale in transportation, energy supply, the industrial sector, and the built environment?
- How can these analyses inform development patterns or economic activity?
- How do regional scale decisions regarding energy and materials relate to larger scale effects?

Tuesday, April 22, 2008 (continued)

Interagency Panels, continued

2:15 p.m. – 3:30 p.m.

Water, Urban Forests, and Land Use

Heather Whitlow, Casey Trees
Hannah Campbell, National Oceanic and Atmospheric
Administration, Regional Integrated Sciences and Assessments
Program
Zeyuan Qiu, New Jersey Institute of Technology (CNS Grantee)
John Lyon, EPA, ORD, Office of the Science Advisor

- At the regional scale, how can water management be informed by development patterns; how can development decisions be informed by water management needs; and how can both take into account uncertain changes beyond local and regional control such as climate change?
- How do urban forests and other ecosystems located in densely developed areas affect greenhouse gas emissions, air quality, local water quality, local temperatures, etc., and how is this measured?
- How can this knowledge and information best inform economically sound land use planning at a regional scale?

3:30 p.m. – 4:45 p.m.

Getting to Shared Information (Distributed Decision Making)

Stuart Schwartz, University of Maryland (former CNS Grantee)
Richard Taupier, University of Massachusetts – Amherst, The
Environmental Institute, Associate Director, International
Research (CNS grantee)
Britta Bierwagen, EPA, ORD, National Center for Environmental
Assessment (NCEA)
Steve Young, EPA, Office of Environmental Information

- What are some approaches to make the concept of sustainability easy to understand and compelling to act on across a diverse population?
- What is the role of geographic information, material flow data, and other data and models?
- When and how does scientific understanding best interface with a collaborative process to inform creative and effective solutions?

6:30 p.m. – 8:00 p.m.

CNS Grantees' Opportunity to Attend the P3 Awards Ceremony

For more information on the P3 Expo, please visit:
<http://es.epa.gov/ncer/p3/expo/index.html>

Wednesday, April 23, 2008

9:00 a.m. – 12:30 p.m.

CNS Grantees Meet With EPA Program Offices
(P3 teams are welcome to attend at EPA offices.)

EPA program offices host individual interactive conversations with CNS grantees and other federal, state, and local sustainability leaders. Grantees will briefly review their project goals and findings to date. This also will be an opportunity to provide input and suggestions to the projects and identify opportunities for future collaboration and exchange.

- **CNS Grantee:** *Energy, Water, and Land Use: A Framework for Incorporating Science Into Sustainable Regional Planning*
Richard Taupier, University of Massachusetts
EPA Host: Bernice L. Smith, EPA, ORD
9:00 a.m. – 10:30 a.m., Woodie's Building,
1025 F Street, NW, Room 3127, 3rd Floor,
South Conference Room
- **CNS Grantee:** *Building Sustainability Indicators To Assess the Physical, Social, and Economic Values of Greening Cities—A Study of the Million Trees Initiatives in Los Angeles, CA*
Jean-Daniel Saphores, University of California at Irvine
EPA Host: Anne Sergeant, EPA, ORD
9:00 a.m. – 10:30 a.m., Woodie's Building,
1025 F Street, NW, Room 3306, 3rd Floor,
East Conference Room
- **CNS Grantee:** *Promoting Sustainable Pollutant Control Policies Through Consideration of Social and Biological Indicators: An Application to Mercury Control in New England*
Mark Borsuk, Dartmouth College
EPA Host: Pasky Pascual, EPA, ORD
10:30 a.m. – 12:00 p.m., Woodie's Building,
1025 F Street, NW, Room 3127, 3rd Floor,
South Conference Room
- **CNS Grantee:** *Testing Sustainable Building Materials and Practices During Gulf Coast Reconstruction*
Jack Geibig, University of Tennessee
EPA Host: Dale Manty, EPA, ORD
10:30 a.m. – 12:30 p.m. – Ronald Reagan Building,
1300 Pennsylvania Avenue, NW, "Fishbowl"
Conference Room

Wednesday, April 23, 2008 (continued)

CNS Grantees Meet With EPA Program Offices, continued

- CNS Grantee: *Metropolitan Accessibility and Transportation Sustainability: Comparative Indicators for Policy Reform*
Jonathan Levine, University of Michigan
EPA Host: Kevin Nelson, EPA, Office of Policy, Economics and Innovation
10:30 a.m. – 12:00 p.m., EPA East,
1201 Constitution Avenue NW, Room 2379
- CNS Grantee: *Mapping Regional Development for Smart Growth Planning To Minimize Degradation of Water Quality and Enhance Green Infrastructure*
Donald Katnik, Maine Department of Inland Fisheries and Wildlife
EPA Host: Laura Gabanski, EPA, Office of Water
10:30 a.m. – 12:00 p.m., EPA West,
1301 Constitution Avenue, NW, Room 7201
- CNS Grantee: *Reality Check Plus: Envisioning a Sustainable Maryland*
Matthias Ruth, University of Maryland
EPA Host: Carlton Eley, EPA, Office of Policy, Economics and Innovation
9:00 a.m. – 10:30 a.m., EPA East,
1201 Constitution Avenue, NW, Room 2379
- CNS Grantee: *Sustainable Lake Management in Maine's Changing Landscape*
Kathleen Bell, University of Maine
EPA Host: Robert Goo, EPA, Office of Water
9:00 a.m. – 10:30 a.m., EPA West,
1301 Constitution Avenue, NW, Room 7129
- CNS Grantee: *Partnership for Industrial Ecology in Central Ohio*
Joseph Fiksel, Ohio State University
EPA Host: Angela Leith, EPA, Office of Solid Waste and Emergency Response
10:30 a.m. – 12:00 p.m., EPA West,
1301 Constitution Avenue, NW, Room 4118
- CNS Grantee: *Grant Protection of Critical Source Areas for Achieving Long-Term Sustainability of Water Resources*
Zeyuan Qiu, New Jersey Institute of Technology
EPA Host: Angela Page, EPA, ORD
10:30 a.m. – 12:00 p.m., Woodie's Building,
1025 F ST NW, 3rd floor, Room 3306 East
Conference Room

Wednesday, April 23, 2008 (continued)

12:30 p.m. – 2:00 p.m. **CNS Group Lunch/Networking** (individually paid)
Location: TBA

2:00 p.m. **Adjournment**