

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

Roundtable on Science and Technology for Sustainability
November 12-13, 2015

National Academy of Sciences
Lecture Room
2101 Constitution Ave NW
Washington, DC

Thursday, November 12, 2015

8:30 am Breakfast available
9:00 am *Welcome, Introductions and Meeting Goals*
 David Dzombak (NAE), Carnegie Mellon University, STS Roundtable Co-Chair
 Lynn Scarlett, The Nature Conservancy, STS Roundtable Co-Chair
 Jerry Miller, National Academies of Sciences, Engineering, and Medicine

Measuring Progress towards Sustainability: Social and Economic Indicators and Metrics for Urban Sustainability

9:15 am *Introduction to Panel*
 David Dzombak (NAE)/Lynn Scarlett, STS Roundtable Co-Chairs
9:25 am *Keynote Remarks*
 Heather Tallis, The Nature Conservancy (Rethinking Sustainability Indicators: Evidence from the Globe to the Ground)
10:00 am BREAK
10:15 am **Panel I: Overview of Social and Economic Indicators and Metrics: Characterizing the Issue**
 Moderator: Steve Bergman, Shell International Exploration & Production Company
 • Diane Pataki, University of Utah (Urban Ecological Indicators)
 • Charles Redman, Arizona State University (Models for Supporting Sustainability Decision Making)
 • Robin Morris Collin, Willamette University College of Law (Social Equity and Urban Sustainability)
11:15 am Q&A and Discussion
11:45 am LUNCH

12:45 pm	Panel II: Examples of Innovative Public Sector Sustainability Indicators and Metrics Moderator: Richard Spinrad, National Oceanic and Atmospheric Administration <ul style="list-style-type: none">• Duane Verner, Argonne National Laboratory (Using Climate Data to Inform Critical Infrastructure Resilience and Urban Sustainability Decision-Making)• Gerardo J. Ruiz-Mercado, U.S. Environmental Protection Agency (Sustainability Indicators for Chemical Processes)• Michael Culp, Federal Highway Administration (Sustainability Indicators for Transportation)
1:45 pm	Q&A and Discussion
2:15 pm	BREAK
2:30 pm	Panel III: Examples of Innovative Private/NGO Sustainability Indicators and Metrics Moderator: Lynn Scarlett, The Nature Conservancy <ul style="list-style-type: none">• Matthew Mehalik, Sustainable Pittsburgh (Sustainable Pittsburgh)• Fiona Cousins, Arup (Sustainability Performance and Metrics)• Nancy Kete, Rockefeller Foundation (City Resilience Index)• Maureen Hart, International Society of Sustainability Professionals (Measuring Sustainability for Communities)
3:50 pm	Q&A and Discussion
4:20 pm	<i>Discussion and Next Steps</i> Moderator(s): David Dzombak (NAE)/Lynn Scarlett, STS Roundtable Co-Chairs
4:50 pm	Wrap up and plans for next day (STS Roundtable Co-Chair)
5:00 pm	Adjourn