

THE NATIONAL ACADEMIES
Advisers to the Nation on Science, Engineering, and Medicine

Roundtable on Science and Technology for Sustainability
May 6-7, 2010

Keck Center of the National Academies
500 Fifth Street, N.W.
Washington, D.C.

May 6 (Keck 100)

8:00 – 8:30	Breakfast available
8:30 – 9:00	Welcome, Introductions and Meeting Goals (Tom Graedel / Emmy Simmons, STS Roundtable Co-Chair)

Sustainability Linkages (Tom Graedel, STS Roundtable Co-Chair)

9:00 – 9:15	<i>Overview of Sustainability Linkages Approach</i> (Tom Graedel, Yale University)
9:15 – 9:45	<i>Water and Energy</i> (Michael Kavanaugh, Malcolm Pirnie, Inc.)
9:45 – 10:15	<i>Water, Public Health and Urban Development</i> (Nancy Stoner, U.S. Environmental Protection Agency)
10:15 – 10:30	Break
10:30 – 11:00	<i>Water, Food and Sustainable Livelihood</i> (Steve Murawski, National Oceanic and Atmospheric Administration)
11:00 – 11:30	<i>Water and Biodiversity</i> (Carl Shapiro, U.S. Geological Survey)
11:30 – 12:00	<i>Open Discussion</i>
12:00 – 1:00	Lunch

Current Activities (Emmy Simmons, STS Roundtable Co-Chair)

1:00 – 1:15	New Publications (Marina Moses, STS) • <i>Enhancing the Effectiveness of Sustainability Partnerships</i> : December 2009 • <i>Certifiably Sustainable?</i> : Prepublication, February 2010 • <i>Expanding Biofuel Production and the Transition to Advanced Biofuels</i> : April 2010 • <i>Federal R&D Forum on Urban Sustainability</i> : Workshop held September 2009
1:15 – 1:30	<i>A Sustainability Challenge: Food Security for All</i> (Per Pinstrup-Andersen, Cornell University)
1:30 – 1:45	<i>Pathways to Urban Sustainability: Lessons from U.S. Metropolitan Regions</i> (Denise Stephenson Hawk, The Stephenson Group, LLC)

1:45 – 2:00 *Material Science Sustainability*: in discussion with NIST (Tom Graedel)

2:00 – 2:15 *General Discussion / Q&A on Current Activities*

2:15 – 2:30 Break

Sustainability and the Pace of Technological Change

2:30 – 2:45 *Overview* (Neil Hawkins, The Dow Chemical Company)

2:45 – 3:30 *Modeling Technological Change – Part 1* (Richard Newell, Energy Information Administration)

3:30 – 4:15 *Growing Pains of Low-Carbon Technologies* (Gert Jan Kramer, Shell Global Solutions International)

4:15 – 4:45 *Open Discussion*

4:45 – 5:00 *Other Areas for Roundtable Consideration* (Tom Graedel and Emmy Simmons)

5:00 – 6:00 **Reception** (Keck 1024)

6:00 – 8:00 **Working Dinner** (Keck 1024) (Tad D. Davis IV, U.S. Department of Defense)

May 7 (Keck 100)

8:00 – 8:30 Breakfast available

8:30 – 8:45 *Welcome* (Tom Graedel)

8:45 – 9:00 *Overview of Sustainability Linkages in the Federal Government Initiative* (Tom Graedel)

9:00 – 10:00 Breakout Discussions

- *Our Common Challenge* (Tom Graedel) (Keck 100)
- *Public Sector Innovation* (Bob Stephens, Multi-State Working Group on Environmental Performance) (Keck 100)
- *Higher Education Programs in Sustainability* (Nancy Cantor, Syracuse University) (Keck 106)

10:00 – 10:15 Break

10:15 – 11:15 Report Back and Discussion of Breakouts

11:15 – 11:30 *Briefing: Organizational Effectiveness Initiative* (Marina Moses, STS)

11:30 pm **Wrap up** (Tom Graedel / Emmy Simmons)

12:00 pm **Adjourn**

Thank you and safe travels!

Please mark your calendars: The next meeting of the Roundtable on Science and Technology for Sustainability will take place on **October 27-29, 2010**.