

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

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

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

1:45 – 2:00	<i>Material Science Sustainability</i> : in discussion with NIST (Tom Graedel)
2:00 – 2:15	<i>General Discussion / Q&A on Current Activities</i>
2:15 – 2:30	Break

Sustainability and the Pace of Technological Change

2:30 – 2:45	<i>Overview</i> (Neil Hawkins, The Dow Chemical Company)
2:45 – 3:30	<i>Modeling Technological Change – Part 1</i> (Richard Newell, Energy Information Administration)
3:30 – 4:15	<i>Growing Pains of Low-Carbon Technologies</i> (Gert Jan Kramer, Shell Global Solutions International)
4:15 – 4:45	<i>Open Discussion</i>
4:45 – 5:00	<i>Other Areas for Roundtable Consideration</i> (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	<i>Welcome</i> (Tom Graedel)
8:45 – 9:00	<i>Overview of Sustainability Linkages in the Federal Government Initiative</i> (Tom Graedel)
9:00 – 10:00	Breakout Discussions <ul style="list-style-type: none"> • <i>Our Common Challenge</i> (Tom Graedel) (Keck 100) • <i>Public Sector Innovation</i> (Bob Stephens, Multi-State Working Group on Environmental Performance) (Keck 100) • <i>Higher Education Programs in Sustainability</i> (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	<i>Briefing: Organizational Effectiveness Initiative</i> (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**.