

THE NATIONAL ACADEMIES

Advisers to the Nation on Science, Engineering, and Medicine

Roundtable on Science and Technology for Sustainability May 5-6, 2011

**Keck Center of the National Academies
500 Fifth Street, NW
Washington, DC**

May 5 (Keck 100)

8:30 – 9:00 Breakfast available

9:00 – 9:30 **Welcome, Introductions and Meeting Goals** (Tom Graedel / Ann Bartuska, STS Roundtable Co-Chair)

The Sustainability of Non-Renewable Materials (Tom Graedel)

9:30 – 9:45 *Review of Sustainability Linkages Approach* (Tom Graedel, Yale University)

9:45 – 10:00 *Introduction to Panel* (Mike Kavanaugh, Geosyntec Consultants)

10:00 – 10:30 *Sustainability of the Energy Materials* (Diana Bauer, U.S. Department of Energy)

10:30 – 11:00 *The Materials-Sustainability Nexus* (Martin Green, National Institute of Standards and Technology)

11:00 – 11:15 Break

11:15 – 11:45 *Material Stockpiles, Past and Future* (Stephen Surface, Defense Logistics Agency)

11:45 – 12:15 *The Recycling Potential of Non-Renewable Materials* (Tom Graedel, Yale University)

12:15 – 12:45 *Open Discussion*

12:45 – 1:40 LUNCH

Current Activities (Ann Bartuska, STS Roundtable Co-Chair)

1:40 – 2:00 *Incorporating Sustainability in the U.S. Environmental Protection Agency* (Bernard Goldstein, University of Pittsburgh)

2:00 – 2:20 *A Sustainability Challenge: Food Security for All: First Workshop held February 16-17, 2011 and Second Workshop May 2-4, 2011* (Per Pinstrup-Andersen, Cornell University)

2:20 – 2:35 *Pathways to Urban Sustainability: Houston Metropolitan Region: Workshop planned Summer 2011* (Glen Daigger, CH2M HILL)

2:35 – 2:45 Update: *Network for Emerging Leaders in Sustainability (NELS)*
Energy Sustainability: A Meetings Series: Project in Development
(Marina Moses, The National Academies)

2:45 – 3:00 Break

Breakout Discussions

3:00 – 4:00 Breakout Discussions

- *Connecting Sustainability Silos* (Dennis Treacy, Smithfield Foods) (Keck 100)
- *Federal Budgets and Sustainability Research* (Bruce Hamilton, National Science Foundation) (Keck 105)

4:00 – 4:30 Report Back and Discussion of Breakouts

4:30 – 5:00 Open Discussion

6:00 – 6:30 **Reception** – *The Melrose Hotel*

6:30 – 8:30 **Working Dinner** – *The Melrose Hotel*
(Speaker: Steve Koonin, U.S. Department of Energy)

May 6 (Keck 100)

8:30 – 9:00 Breakfast available

9:00 – 9:10 *Welcome* (Tom Graedel)

Global Sustainability Initiative – The Influence of Business on Prospects for the Sustainability Transition

9:10 – 9:20 *Introduction to Panel* (Bob Stephens, Multi-State Working Group on Environmental Performance)

9:20 – 9:50 *The Context – Overview of Global Progress since Rio: what is driving sustainability efforts and 20 years of progress?*
(Terry Yosie, President and CEO, World Environment Center)

9:50 – 10:35 *Overview of Leading Corporate Sustainability Activities*

- Glen Daigger (CH2MHill)
- Theresa Kotanchek (The Dow Chemical Company)
- Ephi Banaynal dela Cruz (SAP Corp)

10:35 – 10:50 Break

10:50 – 11:20 *The View from Outside (Panel Discussion I)*

- James Griffiths (World Business Council on Sustainable Development)
- Cary Coglianese (University of Pennsylvania)
- Matt Arnold (PricewaterhouseCoopers)

11:20 – 11:50	<i>Dialogue between Insiders and Outsiders (Panel Discussion 2)</i>
11:50 – 12:10	General Discussion – Potential next steps
12:10 – 12:30	<i>Strategic Planning for Future Roundtable Activities</i> (Tom Graedel and Ann Bartuska)
12:30 pm	Wrap up (Tom Graedel / Ann Bartuska)
12:45 pm	Adjourn