



**The Kathryn Fuller Science for Nature Fund
2008 Science for Nature Symposium**

November 19-20, 2008

Biofuels – Which are More Sustainable?

1250 24th St, NW, Washington, DC 20037

Agenda

Goal(s) of symposium:

To present the state of the science with regard to biofuels, to identify measurable standards that could be used to illustrate the impacts of biofuels at a global level, and to build consensus around key impacts on biodiversity, the environment, greenhouse gas emissions, and food supply.

Day 1:

8.00 – 9.00 Continental Breakfast

9.00 – 9.20 Welcome: Carter Roberts and Kathryn Fuller

9.20 – 10.00 Jason Clay, WWF-US: Biofuels – Which are More Sustainable?

10.00 – 10.30 Coffee Break

10.30 – 12.00 Session 1: Biofuels – The Context

10.30 – 11.00 **Sean Cuthbert, Ødegaard & Danneskiold-Samsøe A/S:** Biofuels, Peak Oil, Renewable Energy, and Technological Trends

11.00 – 11.30 **Dr. André Faaij, Copernicus Institute for Sustainable Development (Utrecht University):** Sustainable Biofuels: Finding the Right indicators and Performance Levels

11.30 – 12.00 Q&A

12.00 – 13.30 Lunch Break – Mark Jacobson, Stanford University: Biofuels in Context / Energy Solutions

13.30 – 15.00 Session 2: Biofuels, Carbon, and Energy

13.30 – 13.50 **Holly Gibbs, Center for Sustainability and the Global Environment (University of Wisconsin):** Biofuels and Carbon Payback times: Range of Payback by Throughput

13.50 – 14.10 **Daniel Kammen, University of California, Berkeley:** GHG Impacts of Biofuels Generation and Use; PHEV Vehicles as an Alternative

14.10 – 14.30 Q&A

14.30 – 15.00 Break

15.00 – 16.30 Session 3: Biofuels, Soil, and Water

15.00 – 15.30 **Jan Koninckx, DuPont:** The Impact of Biofuels Production on Soil Carbon, Erosion, and Nitrogen

15.30 – 16.00 **Stuart Orr, WWF-UK:** Biofuels and Water

16.00 – 16.30 Q&A

16.30 – 17.00 Wrap-up

17.00 – 19.00 Reception / Cocktails

Day 2:

8.00 – 8.45 Continental Breakfast

8.45 – 9.00 Carter Roberts

9.00 – 10.15 Session 4: Biofuels, Biodiversity, and Habitat Loss

9.00 – 9.30 **Dennis Keeney, Institute for Agriculture and Trade Policy:** Biofuels and Biodiversity

9.30 – 10.00 **Timothy Searchinger, Princeton University:** Biofuels and Habitat Loss—Current Realities, Likely Trends

10.00 – 10.15 Q&A

10.15 – 10.30 Coffee Break

10.30 – 12.00 Session 5: Biofuels, Food, and Policy Considerations

10.30 – 11.00 **Doug Koplow, Earth Track:** Subsidies and Biofuels—Key Considerations

11.00 – 11.30 **C. Ford Runge, University of Minnesota:** US Biofuel Policies—Domestic and International Implications

11.30 – 12.00 Q&A

12.00 – 13.30 Lunch Break – Bruce Tozer, JP Morgan Chase: The Importance of Sustainability for Biofuel Investments

13.30 – 15.00 Session 6: Key Issues and Moving Forward

13.30 – 13.50 **Steve Hutcheson, University of Maryland/Zymetis:** Technical Challenges to Second Generation Biofuels

13.50 – 14.10 **Jim Bowyer, Dovetail Partners:** The Implications of Cellulosic Sources of Biofuels for Global Forests and Plantations

14.10 – 14.30 **Jason Hill, University of Minnesota:** Biofuels and Degraded Land—The Global Potential and Implications

14.30 – 15.00 Q&A

15.00 – 15.30 Break

15.30 – 16.30 Session 7: Conclusions

15.30 – 15.50 **Suzanne Hunt, Hunt Green, LLC:** Biofuel Certification Programs – What Are They Doing

15.50 – 16.10 **Jason Clay, World Wildlife Fund:** The Fuller Findings—Key Impacts and Implications

16.10 – 16.30 Closing Remarks—The Way Forward