Appendix A
Agenda

A National Academies Workshop

DIRECT AND INDIRECT HUMAN CONTRIBUTIONS TO TERRESTRIAL GREENHOUSE GAS FLUXES

The National Academies
Keck Center, Room 100
500 Fifth St., NW
Washington, DC 20001
September, 23-24, 2003
8:00 am to 5:30 pm

September 24th, 2003
Keck Center, Room 100

8:00 a.m.	Breakfast – Room 100
8:30	Introductory Remarks: Goals and Statement of Work, Definitions, Product of Workshop *Michael Prather, Chair*
8:45	Sponsor Perspective *William Hohenstein, USDA Global Change Program Office*

9:10	Terrestrial Ecosystems, Carbon Stocks, and the UNFCCC *Bob Watson, World Bank*
9:40	Discussion *Ian Roy Noble, World Bank*
10:30	Break
11:00	National and International Greenhouse Gas Inventory System: Technical Requirements, Project Accounting, and Uncertainty *Dina Kruger, EPA*
11:30	Discussion *John Kimble, USDA/Natural Resources Conservation Service*
12:00 p.m.	Lunch ─ Room 100
1:30	Consideration of Spatial Scales and Timescales in Assessing Carbon Stocks and Fluxes *George Hurtt, University of New Hampshire*
1:50	Separating Direct Human-Induced Changes from Other Effects *Jen Jenkins, University of Vermont (presented by Richard Birdsey)*
2:10	Discussion *Ann Camp, Yale University*
2:30	Break
3:00	Estimates of Carbon Stocks and Fluxes from Land Use Change *Christine Goodale, Woods Hole Research Center*
3:30	Estimates of Carbon Stocks and Fluxes from Forestry Activities *Evan DeLucia, University of Illinois Urbana-Champagne*
3:50	Estimates of Carbon Stocks and Fluxes from Agricultural Activities *Cesar Izaurralde, Battelle, Pacific Northwest National Laboratory*
4:20	Discussion *Perry Hagenstein*
4:50	Summary of Key Issues, General Discussion *Richard Houghton, Woods Hole Research Center*
5:30	Wrap-up and Adjourn for the Day *Michael Prather, Chair*

September 24, 2003
Keck Center, Room 201

8:00 a.m.	Breakfast – Room 208
8:30	Carbon Cycle – Overview of CO_2 and CH_4 cycles *William Schlesinger, Duke University*
9:00	Indirect Human-Induced Effects (CO_2 fertilization, nitrogen, climate change) *Dennis Ojima, Colorado State University*
9:30	Natural Effects (fire, pests, and climate variability) *Nate Stephenson, USGS West Ecological Research Center, Sequoia and Kings Canyon*
10:00	Discussion *Ruth Defries, University of Maryland*
10:20	Break
10:40	Efficacy and Longevity of Varying Carbon Storage Practices *Tristram West, Oak Ridge National Laboratory*
11:10	Implications for Indirect and Natural Effects on National and International Greenhouse Gas Inventories *Chris Field, Carnegie Institution*
11:40	What Research is Needed to Enable Partitioning of Direct and Indirect Effects? *Jim Randerson, University of California, Irvine*
12:10 p.m.	*Discussion* *Jason Hamilton, Ithaca College*
12:30	Lunch – Room 208
1:30	Land Succession Effects (historical forest practices, agriculture to forests) *Chris Potter, NASA Ames*
2:00	U.S. Forests: Inventories, Ecosystem Models, and Other Approaches *Linda Heath, USDA*
2:30	Tropical Forests: Inventories, Ecosystem Models, and Other Approaches ***Sandra Brown,*** *Winrock International*
3:00	Discussion *Ian Roy Noble, World Bank*

3:20	Break
3:40	What Data Resolution for Direct and Indirect Effects? When Can This Be done? *Richard Birdsey, USDA Forest Service*
4:10	Issues of Scientific Methodology – Lessons from the UNFCCC Brazil Proposal *Michael Prather, University of California, Irvine*
4:20	Current State of the Science Regarding Partitioning of Net Carbon Fluxes *Eric Sundquist*
5:20	Anticipated Future Capability (Climate Change Science Program / Water Resources Applications Project) to Quantify Specific Processes *Bryan Hannegan, Council on Environmental Quality*
6:20	Wrap-up and Our Report
6:30	Adjourn