



Workshop on Land Use/Land Cover Change and the Carbon Cycle

8-9 June 2009, Ann Arbor, Michigan

Day 1

8:00 - 8:30 Registration/coffee

Morning Session: Background and Setting the Stage

8:30 - Introduction and Goals of Workshop - **Dave Skole**

9:30 - Plenary Presentations

- Contribution of terrestrial land surface to the carbon cycle, evidence from atmospheric models - *Anna Michalak*
- Sources and Sinks of Carbon from Land-Use Change & Management - *Richard (Skee) Houghton*
- Climate Change and Land Use - *Robert Mendelson*
- Design and Planning to Manage the Carbon Cycle: Invention and Variation in Land Use and Land Cover - *Joan Nassauer*

11:45 - Break – get box lunches

Afternoon Session: 1st and 2nd Breakout Sessions

Working Lunch with Box Lunch and Charge to the Breakout Groups

12:00 - Review of breakout structure/purpose and 1st Breakout Presentation

The goal of the breakout groups is to define and prioritize research questions to help guide the US Global Change Research Program. Each of the breakout groups needs to determine the relative priorities of the research questions and whether they are sufficiently mature for short-term research or are more long-term in scope.

Land Management and Carbon - Ron Huntsinger

- What management activities have the biggest potential to affect measurable long-term carbon storage?
- What don't we know about the limits and potential for management to affect carbon cycle?
- What types of policies or institutions need to be implemented to make the necessary changes in land use and practices?

12:30 - 1st breakout Session: Management Challenges (12:30-2:15)

2:30 - Breakout reports

3:00 - 2nd breakout Presentation

Observations for Land Use and Land Cover Change and Carbon Cycle Investigations - Tom Loveland

- What ecosystem observations are needed to improve our understanding of carbon on land?
- What land-use observations are needed to improve our understanding of how carbon can be managed?

3:30 - 2nd Breakout Session: Observations (3:30-5:00)

Evening Session: Posters

5:00 - Poster session reception with cash bar

6:30 - Adjourn



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Day 2

8:00 Coffee – time for breakout groups to set up for progress reports

Morning Session: 3rd Breakout Session

8:30 - 2nd Breakout reports

9:00 - 3rd breakout Presentation

Integrated Modeling of Land Use/Cover and the Carbon Cycle- *Dan Brown*

- What are the key land use/land management processes that need to be represented?
- How do we integrate models at multiple scales?
- What is needed to integrate observations and couple carbon and land use/land cover models?

9:30 - 3rd Breakout Session: Modeling and Integrating Science and Management (9:30-11:15)

11:30 - Breakout reports

12:00 - Lunch Provided

Afternoon Session: Plenary Discussions & Workshop Results

1:00 - Panel discussion and review of breakout outputs (speakers & breakout leaders)

2:30 - Assimilation of group reports and identification of actions (organizing committee)

3:30 - Summary and the way forward

4:00 - Adjourn