

Forest Management and Conservation in an Information Age

Anthony C. Janetos
The Heinz Center

Forests in an Information Age

Steering Committee

- ▶ Anthony Janetos, H. John Heinz III Center for Science, Economics and the Environment (co-chair)
- ▶ Niro Higuchi (co-chair), Instituto Nacional de Pesquisas de Amazonia
- ▶ Dirk Bryant, World Resources Institute
- ▶ Allen Hammond, World Resources Institute
- ▶ Jerry Melillo, Marine Biological Laboratory
- ▶ Sten Nilsson, International Institute for Applied systems Analysis
- ▶ Hank Shugart, University of Virginia
- ▶ Phillippe Mayaux, Joint Research Centre of the European Community
- ▶ John Townshend, University of Maryland
- ▶ Osvaldo Sala, University of Buenos Aires

Forests in an Information Age

The overall objective of this project is to create a solid intellectual foundation for improved/enhanced, innovative applications of remote sensing, GIS, modeling and Internet technologies for productive forest management.

Forests in an Information Age

- ▶ **Workshop Objective:** The objective of the workshop is to emerge with a manuscript describing that foundation, ultimately suitable for publication in a reviewed journal, and to create a concrete plan for moving forward with additional research on this topic.

Forests in an Information Age

The manuscript will need to address, at a minimum:

- ▶ a review of the current state of the art with respect to the use of existing and new remote sensing technologies for forest management and the links to both regional and global environmental issues;
- ▶ a review of the current state of activities to coordinate the production and dissemination of remote sensing information in both government, private, and NGO communities;
- ▶ a review of the policy and institutional issues with respect to data sharing, costs of data, and value-added products as they relate to improvements in forest management and both regional and global environmental issues; and.
- ▶ an examination of future challenges in forest conservation and management and how these technologies can be used to minimize them.

Forests in an Information Age

Sunday 15 December

- ▶ 2:00 PM: Welcome and Introductions
- ▶ 2:15: Setting the Stage: Forests, EGIS, and Objectives for the Workshop: Tony Janetos
- ▶ 2:45: Break
- ▶ 3:15 Introduction to SCOPE: Jerry Melillo
- ▶ 3:30: Discussion
- ▶ 4:00: Rapid Land-Cover Change and Deforestation Monitoring: Report from the Millennium Ecosystem Assessment Workshop: Tony Janetos
- ▶ 4:30: Discussion
- ▶ 5:00: Adjourn

Forests in an Information Age

Monday 16 December

- ▶ 7:30-8:30: Breakfast
- ▶ 8:45: Global Forest Watch: Dirk Bryant
- ▶ 9:15: Discussion of Global Forest Watch
- ▶ 10:00: Break
- ▶ 10:30: Fire Detection with MODIS: Ivan Csiszar
- ▶ 11:00: Discussion of Fire Detection
- ▶ 11:30: General Discussion
- ▶ Noon: Break for lunch

Forests in an Information Age

Monday 16 December

- ▶ 1:30: Taking Stock-What are the lessons so far?
- ▶ 2:00: Detecting Environmental Change: Tony Janetos
- ▶ 2:30: Discussion
- ▶ 2:45: Break
- ▶ 3:15 Current status and future of the Miombo Woodlands: Paul Desanker
- ▶ 4:00: Discussion
- ▶ 4:30: Major topics for the synthesis paper
- ▶ 5:15: Adjourn for the day and Writing Time

Forests in an Information Age

Tuesday 17 December

- ▶ 8:45: Using Remote Sensing and GIS to Investigate Alternative Futures: Mark Cochrane
- ▶ 9:30: Discussion
- ▶ 10:00: Break
- ▶ 10:30: Writing Time
- ▶ 11:30: Discussion: Is there a digital dividend? Role of the private sector? (Harvard Business Review paper): Al Hammond by phone
- ▶ Noon: Lunch

Forests in an Information Age

Tuesday 17 December

- ▶ 1:30: Global Carbon Issues: Rob Socolow
- ▶ 2:15 Research and Institutional Needs
- ▶ 2:45: Break
- ▶ 3:15: Future of Technology and Natural Resources (Jan Hauser by phone)
- ▶ 4:15: Next phases for SCOPE Rapid Assessment
- ▶ 4:45: Discussion of synthesis outline
- ▶ 5:15: Adjourn for Day and Writing Time

Forests in an Information Age

Wednesday 18 December

- ▶ 9:00: Plenary Discussion of Writing Assignments
- ▶ 10:00: Workshop Summary and Next Steps
- ▶ 10:30: Adjourn

Forests in an Information Age

Next Steps

- ▶ Manuscript preparation
- ▶ Second phase: More extensive international participation