

LCLUC ST Tropical and Subtropical Agenda
UMUC Inn and Conference Center
November 19-21, 2001

Day 1 November 19th Room 1105

- 9:00 Welcome, objectives for the meeting, status of LCLUC within NASA, Project Reporting and Review – Garik Gutman (NASA HQ)
9:20 National and International Context – Chris Justice (UMd, College Park)
9:40 Current state of LUCC – Emilio Moran (Indiana U.)
10:00 The LCLUC contribution to LBA – Dave Skole (Michigan State U.)

10:20 – 10:45 Break

10:45 – 12:15 Results Presentations (30 mins)

- 10:45 Ron Smith (Yale)
Landscape Changes in the Middle East: A regional assessment using remote sensing
- 11:15 Jianguo Qi (Michigan State U.)
GOFCC Data and Information for Tropical Forest Assessment and Management
- 11:45 Robert Walker (Michigan State U.)
Pattern to Process: Research and Applications for Understanding Multiple Interactions and Feedbacks on Land Cover Change

12:15 - 1:15 Lunch 1:15 Group Photo

1:30 – 3:30 Results Presentations

- 1:30 Ruth DeFries (UMd, College Park)
Towards Methodologies for Global Monitoring of Forest Cover Characteristics with Coarse Resolution Data
- 2:00 Youngsinn Sohn (UMd, Baltimore)
A Comparative Study of Forest Mapping Methods/Algorithms: Towards Optimal Solutions for Operational Global Forest Mapping/Monitoring
- 2:30 John Townshend (UMd, College Park)
Improvements in Landsat Pathfinder methods for monitoring tropical deforestation and their extension to extra-tropical areas

3:00 – 3:30 Afternoon Tea

3:30 – 5:30 Results Presentations

- 3:30 Steve Prince (UMd, College Park)
Inter- Annual Land Surface Variation
- 4:00 Nadine Laporte (UMd, College Park)
An Integrated Forest Monitoring System for Central Africa
- 4:30 Paul Desanker (UVa)
Operationalizing GOFCC in the Mambo Region and Questions of Carbon
- 5:00 Bruce Chapman (NASA JPL)
The Development of a Fine Resolution, Continental Scale Forest Monitoring System Using SAR imagery

Day 2 November 20th Room 1105

9:00 The Landsat Data Buys and CRSP – Rose Fletcher (Lockheed Martin)

9:20 Landsat Data Continuity Mission - Jim Irons (NASA GSFC)

9:40 Status of Terra – Jon Ranson (NASA GSFC)

10:00 – 10:30 *Coffee break & hang posters*

10:30 – 12:30 Results Presentations (30 mins)

- 10:30 Emilio Moran (Indiana U.)
Human and Physical Dimensions of Land Use/Cover Change in Amazonia: Forest Regeneration and Landscape Structure
- 11:00 Steve Sader (U. of Maine)
Mesoamerica Biological Corridor Project
- 11:30 Richard Bilsborrow (U. of North Carolina, Chapel Hill)
Agricultural Colonization in the Ecuadorian Amazon: Population, Biophysical, and Geographical Factors Affecting Land Use/Land Cover Change and Landscape Structure
- 12:00 Dan Nepstad (Woods Hole Research Center)
A Panamazonian Model of Deforestation, Logging and Forest Fire: the Amazon Scenarios Project

12:30 – 1:30 *Lunch & finish hanging posters*

1:30 – 3:00 Poster Session Room 1101

- Mohamed Sultan (Argonne National Laboratory)
Assessment, Monitoring, and Modeling of LCLUC and Their Impacts on Groundwater Resources, Ecosystems, and Carbon Cycling in Saharan Africa: A Case Study, SW Egypt
- Mike Coe, et al. (U. of Wisconsin)
Climate and Human Impacts on Water Resources in Africa
- Billie Turner, Deborah Lawrence (Clark U. & UVa)
LCLUC-SYPR II
- David Roy (UMd, College Park)
Burned Area Mapping in Southern Africa: Case Study Synthesis and Regional Application of MODIS Data
- Curtis Woodcock, Mutlu Ozdogon (Boston U.)
The Effects of Agricultural Expansion on Regional Hydrology in Southeastern Turkey
- Lisa Curran (U. of Michigan)
Influence of Humans, Climate, and Fire on Forest Ecosystems and Carbon Dynamics in Indonesian Borneo
- Trent Biggs (U. of California, Santa Barbara)
Regional Biogeochemistry of Land Use Change in the Humid Tropics Detection and Modeling of the Aqueous Land Use Signal for Mesoscale Basins

- Greg Asner (U. of Colorado, Boulder)
Land-use Impacts on Regional Biogeochemical Cycles in Sub-tropical Ecosystems
- Brian Markham, John Barker (NASA GSFC)
Landsat Radiometric Calibration: Towards a 20-Year Record of Calibrated Thematic Mapper Class Data for Carbon Cycle Studies
- Brent McCusker (West Virginia U.)
Vulnerability, Livelihoods, and Land Cover/Land Use Change in South Africa: Integrating Social Science and Remote Sensing Perspectives
- Chandra Giri (Columbia U.)
Monitoring Land Use/Land Cover Change in Southeast Asia
- Andy Hansen, Ruth Defries (Montana State U., UMd, College Park)
Land Use Change Around Protected Areas in LCLUC Sites: Synthesis of Rates, Consequences for Biodiversity, and Monitoring Strategies

(At the beginning of the poster session, presenters will be asked to give a brief presentation in the order above (2 min per poster) to introduce themselves & their topic)

3:00 – 3:30 Invited Presentation – Brian Turner (Australian National University)
Australia's National Multitemporal Landsat Land Cover Database for Carbon Accounting

3:30 – 5:00 Results Presentations

- 3:30 Dave Skole (Michigan State U.)
Case Studies and Diagnostic Models of the Inter-annual Dynamics of Deforestation in Southeast Asia
- 4:00 Foster Brown (Woods Hole Research Center)
Land-Cover/Land-Use Change and Carbon Dynamics in an Expanding Frontier in Western Amazonia: Acre, Brazil
- 4:30 Nadja Lepsch (National Institute for Research in the Amazon)
Anthropogenic Landscape Changes and the Dynamics of Amazon Forest Biomass

Day 3 November 21st Room 1105

9:00 USGCRP Carbon and the NASA Carbon Initiative – Jim Collatz (NASA GSFC)

9:20 AVIRIS update – Rob Green (NASA JPL)

9:40 Summary of EO-1 Science Team Activities – Greg Asner (U. of Colorado)

10:00 IKONOS Status – Bill Baer (Space Imaging)

10:20 – 10:35 Break

10:35 – 12:00 Open Discussion

- Program Direction
- Results Packaging
- The LCLUC Book
- Possible Program Workshops
- LBA LCLUC Coordination
- Other Issues (TBD)

12:00 – 12:30 Wrap Up and Program Feedback Session – Chris Justice/Garik Gutman

12:30 Close of Workshop