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 Jiaguo Qi (Michigan State U.)
  GOFC 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, Jacqueline Le Moigne (UMd, College Park & NASA GSFC)
  An Integrated Forest Monitoring System for Central Africa
- ❑ 4:30 Paul Desanker (UVa)
  Operationalizing GOFC 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 Messocale 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