

**Provisional Agenda for the LCLUC Science Team Meeting on GOFC and Disturbance  
20<sup>th</sup> – 22<sup>nd</sup> September 2000, DoubleTree Hotel, Rockville, Maryland.**

**Day 1, September 20<sup>th</sup>**

**8.30 Introduction and GOFC Program Context**

Welcome, the LCLUC Program and Objectives of the Meeting – Garik Gutman (LCLUC Program Manager)

GOFC and GTOS – Chris Justice (for John Townshend, GOFC Chair)

NASA's goals for GOFC – Martha Maiden (NASA GOFC-lead)

LCLUC, GOFC and Disturbance – Chris Justice (LCLUC Project Scientist)

10.30 – 11.00 Break

**11.00 Regional Forest Monitoring and Characterization Studies, Contributions to the GOFC Regional Networks**

Nadine Laporte (U. Maryland) An Integrated Forest Monitoring System for Central Africa

Jianguo Qi (Michigan State U.) GOFC Data and Information for Tropical Forest Assessment and Management

Paul Desanker (U. Virginia) Operationalizing GOFC in the Miombo Region and Questions of Carbon: Miombo Region a Source or Sink?

Guoqing Sun (U. Maryland) Monitoring Forest Dynamics in Northeastern China in support of GOFC

Eric Kasischke (University of Maryland) Summary of the GOFC Boreal Forest Meeting (Novosibirsk)

**12.45 - 2.15 Lunch**

**2.15 North American Land Cover and Fire Studies**

Peng Gong (UC, Berkeley) and Wei Min Hao (USFS) Development of a Long-term Inventory of Burned Areas and Emissions of North America's Boreal and Temperate Forests

Tom Loveland (USGS) The Spatial and Temporal Dimensions of Contemporary U.S. Land Cover and Land Use Change and Implications for Carbon Dynamics

Josef Cihlar (CCRS) Satellite Observation of Boreal Land Cover: Methods, Data Sets and Applications

### **3.15 – 3.45 Coffee Break**

#### **3.45 GOFC Microwave Studies and Datasets**

Bruce Chapman (JPL) The Development of a Fine Resolution, Continental Scale Forest Monitoring System Using SAR Imagery

Kyle McDonald (JPL) Monitoring Boreal Landcover and Ecosystem Dynamics at Regional Scales using Integrated Spaceborne Radar Remote Sensing and Ecological Modeling

#### **4.30 Advanced Method Development**

Ruth DeFries (U. Maryland) Towards Methodologies for Global Monitoring of Forest Cover Characteristics with Coarse Resolution Data

Youngsinn Sohn (U. Maryland, Baltimore Campus) – A Comparative Study of Forest Mapping Methods and Algorithms: Towards Optimal Solutions for Operational Global Forest Mapping/Monitoring

John Townshend (U. Maryland) Improvements in Landsat Pathfinder methods for monitoring tropical deforestation and their extension to extra-tropical areas

### **5.30 End of Day 1**

## **Day 21, September 21<sup>st</sup>**

#### **8.30 LCLUC Disturbance**

Susan Conard (USFS) Estimating and Monitoring Effects of Area Burned and Fire Severity on Carbon Cycling, Emissions, and Forest Health and Sustainability in Central Siberia

Andrew Hansen (Montana State U.) Monitoring Forest Response to Past and Future Global Change in Greater Yellowstone

Michael Binford (U. Florida) Land-Use and Land-Cover Change: Decadal-Scale Dynamics of Land Ownership Land Management and Carbon Storage Patterns in

the Southeastern Lower Coastal Plain Region of the U.S.

Janet Franklin (San Diego State U.) Operational Monitoring of Alteration in Regional Forest Cover Using Multitemporal Remote Sensing Data

### **10.00 – 10.30 Coffee Break**

### **10.30 Disturbance Cont'd.**

Marc Imhoff (NASA GSFC) Measuring Human Impacts on the Biodiversity of Ecosystems

Chris Elvidge (NOAA NGDC) Development Sprawl Impacts on the Terrestrial Carbon Dynamics of the United States

John Pastor (U. Minnesota) Mapping and Modeling Forest Change in a Boreal Landscape

### **11.45– 1.15 Buffet Lunch**

### **1.15 Remote Sensing and Operational Monitoring in the USFS**

Chuck Dull (USFS) - Overview of operational remote sensing in the USFS

Alex Moad (USFS) – Technical Cooperation, International Programs (to be confirmed)

Ray Czaplewski (USFS) – Forest Inventory and Analysis Project

Mike Hoppus (USFS) - The Remote Sensing Band: FIA remote sensing issues

John Scrivani (USFS) - Landsat TM and Forest Monitoring: a case study

Open Discussion on Potential Areas for GOFC Collaboration

### **3.30 – 4.00 Coffee Break -**

### **4.00 GOFC Implementation**

Dave Skole - GOFC Implementation: Land Cover

Chris Justice - GOFC Implementation: Fire

Jeff Privette – GOFC and the CEOS CV Working Group on Land Product Validation

Matt Schwaller – GOFC and the CEOS WGISS Test Facility

**5.30 pm End of Day 2**

**Day 3, September 22<sup>nd</sup>**

**8.30 – 10.30 LCLUC / GOFC Coordination Breakout Groups**

LCLUC GOFC Fire Coordination – Peng-Gong, Sue Conard (Co-Chairs)

LCLUC GOFC Land Cover Coordination - Co-Chairs Ruth DeFries, Tom Loveland (Co-Chairs)

NASA/GOFC and USFS Opportunities for Collaboration – Martha Maiden, Ray Czaplewski (Co-Chairs)

**10.30 – 11.15 Co-Chairs Report Back Session**

Chris Justice – LCLUC Program Logistics

Garik Gutman - LCLUC and GOFC coordination next steps

**12.00 End of Meeting – Lunch Optional**