

# Day-by-Day Agenda

## Nov 04 – Pacifico Room

### Plenary Session–Introduction and Status of Forest Programmes

8h00–9h00            **Check-in and Registration**

9h00–10h00        Welcome and Introduction

- Plenary Address – Mr. Tasso Azevedo, Director General, Brazil Forest Service
- Charge and Schedule – Dalton de Morisson Valeriano and Douglas Muchoney
- GEO – José Achache
- INPE – João Vianeir Soares

10h00–10h30       **Recent Workshops and Technical Meetings Reports**

- Remote Sensing Requirements for Global Forest Monitoring Workshop (London, 20–21 Oct 2008) – Alan Grainger
- 3<sup>rd</sup> GOFC–GOLD Land Cover Symposium (Jena, 13–17 Oct 2008) – Curtis Woodcock
- UN REDD Workshop on Monitoring, Assessment and Verification (Washington, 16–17 Sept 2008) – Jinlong Fan

10h30 – 11h00     Break

11h00 – 12h00     **Forest-related activities in the GEO Framework**

- GEO Forest Observation Current Tasks – Douglas Muchoney
- GEO Forest Community of Practice – Michael Brady
- Approach and Overview of the 2009–2011 Workplan – José Achache
- GEO Committees overview – José Achache

12h00 – 1h30      Lunch

1h30 – 2h45        **Forest Monitoring Programs**

- FAO Forest Resource Analysis – Adam Gerrand, FAO
- Global Observation of Forest Cover – Michael Brady, GOFC–GOLD
- Globcover – Hugh Eva, EC–JRC
- New sampling approaches for forest monitoring – TBD

2h45 – 3h45        **National Forest Inventories** – Chair: Karan Deo Singh, FAO

- Forest National Inventories Status (Introduction by the Chair)

- INPE Long-Term Forest Monitoring – Dalton de Morisson Valeriano
- National Forest Inventory USFS – Ken Brewer
- National Forest Inventory Canada – Michael Brady
- Regional and Global Forest Monitoring and Assessment programme – FAO – Adam Gerrand
- Indonesia Forest Inventory – Wardoyo, MOF

3h45 – 4h00      Break

- 4h00 – 4h45      **Key Users Perspectives** – Chair: Alan Grainger
- Foundations – Roger Sedjo, RFF
  - Donors – Per Erik Skrøvseth, Norway Space Centre)
  - IGO and NGO, Carlos Alberto Scaramuzza, *WWF Brasil*
  - Communities and Local Users, Rafael Salles Valente, FAS

4h45 – 5h30      **Update on Recent Developments** – Thelma Krug, INPE

6h30 – 7h30      **Welcome Drink with Talk on Perspective on Forests through Time** – Roger Sedjo, RFF

## **Nov 05 – Concurrent Thematic Break-Out Groups**

8h30 – 9h00	Welcome and Introduction to Concurrent Thematic Break-Out Groups
9h00 – 10h00	Concurrent Thematic Break-Out Groups
10h00 – 10h30	Break
11h00 – 12h00	Concurrent Thematic Break-Out Groups
12h00 – 1h30	Lunch
1h30 – 3h00	Concurrent Thematic Break-Out Groups
3h00 – 3h30	Break
3h30 – 5h30	Concurrent Thematic Break-Out Groups
5h30	Adjourn Day 2

## **Nov 06 – Morning – Thematic Break-Out Groups and Group Reports**

8h30 – 9h15	Plenary–Thematic Group updates
9h15 – 11h30	Concurrent Thematic Break-Out Groups, report drafting
12h00 – 1h30	Lunch, afternoon break / Field Trip

## **Nov 07 – Morning – Report Preparation**

8h30 – 9h00	Reports from the Thematic Break-out Groups and discussion
9h00 – 10h00	“Climate Action for Poverty Reduction– CPR Roundtable” by the World Agroforestry Centre – Nairobi, Kenya
10h00 – 10h30	Break
10h30 – 12h00	3 Thematic & New Immediate Actions Group Break-out Meetings (report refinement, links to presentations & transverse areas)
12h 00 – 1h30	Lunch

## **Nov 07 – Afternoon – Plenary, 4 Reports and Synthesis**

1h30 – 3h00	<b>Reports from 3 Thematic &amp; Immediate Actions Group</b>
3h00 – 3h30	<b>Break</b>
3h30 – 4h30	Discuss report final draft, any further writing assignments, report to GEO Plenary, future GEO forest events?
4h30	<b>Adjourn and Close of Symposium</b>

## Thematic Group Session Outlines

### Thematic Group 1 Biodiversity, Invasive Species, Forest Ecology and Protected Areas (Chairs: Doug Muchoney, Jorn Scharlemann, Mario Hernandez, Bradley Reed)

#### Montevideo Room

1. Description and links to ongoing GEO tasks and progress reports
  - Overview of GEO Biodiversity Network – Doug Muchoney, USGS
  - Overview of GEO Invasive Species – Doug Muchoney, USGS
  - GEO Global Phenology Network – Bradley Reed, USGS
  - GEO Ecosystems – Doug Muchoney, USGS
  - Socio-economic benefits of GEOSS with focus on Biodiversity and Ecosystems – S. Fritz, IIASA Forestry Program
  - Forest Fauna – C. Perez, U. of New East Anglia, UK
  - Overview of GEO Protected Areas Assessment and Monitoring – D. Muchoney
    - o UNEP – WCMC and the WDPA – J. Scharlemann, UNEP-WCMC
    - o IUCN – D. Cordero, IUCN
    - o UNESCO – Mario Hernandez
2. Discussion on Task interactions – Task Leads

### Thematic Group 2 Forest Biomass and Carbon

(Chairs: Thelma Krug, Roger Sedjo and Alex Held)

#### Pacifico Room

1. Context and Overview:
  - Proposed GEO Task on Forests and Carbon –Per Erik Skråvseth, Norway Space Centre
  - Introduction to REDD and associated estimation and monitoring issues – Thelma Krug, INPE
2. Global and National Activities:
  - National Experiences
    - Australian National Carbon Accounting System: Elements and functionality – Alex Held, CSIRO – Australia
    - National Carbon Accounting System of Indonesia – Ministry of Environment or Forestry – Indonesia
    - The EC Approach to Forest Biomass Monitoring – Barbara Koch
    - US Forest & Carbon Experiences – Ken Brewer and Charles Dull, USFS
    - Canada Carbon Accounting System – Michael Brady
  - Global Initiatives
    - The International Forests and Carbon Initiative – Alex Held, CSIRO – Australia
    - Global Observation of Forest and Land Cover Dynamics – Curtis Woodcock, GOFCC-GOLD

### 3. Methodologies and Approaches to Estimate Forest Change, Biomass and Carbon – 2 hours

- Review of Global Methodological Coordination Activities – GOFC–GOLD Sourcebook – Carlos de Souza, IMAZON
- Models to estimate carbon in the Brazilian Amazon, and comparison with other data sets – Carlos de Souza, IMAZON
- Deforestation results in Central and South America – Marc Steininger, Conservation International
- Biomass and Carbon in the Brazilian Amazon – Niro Higuchi, INPA
- Estimates of biomass and carbon from destructive sampling: General allometric equations for Amazonia – Niro Higuchi – National Institute for Amazonia Research

### 4. Coordination of Existing and Planned Remotely Sensed Systems for Carbon Forest Assessment –The CEOS land Surface Imaging Virtual Constellation concept (CEOS, USGS, John Townshend, GOFC–GOLD)

- National Systems, Continuity, General Data Availability
  - CBERS – Fernando Ramos, INPE
  - Landsat – Curtis Woodcock
  - RADARSAT
  - ALOS
  - IRS
- Continuity, data needs (spatial and temporal) resolution of future systems, identification of current gaps in for use in routine monitoring forest change and biomass
- Establishment of Global Test Sites for Sensor Evaluation, and Processing Methodology Refinement.

### 5. Discussion and Refinement of proposed task description

## **Thematic Group 3 Forest and Land Cover Dynamics (including effects of fire and agriculture**

**(Chairs: Michael Brady, Dalton Valeriano, Alberto Setzer)**

### **Assuncion Room**

#### 1. Overview of global scale GEO tasks

- Description and links to ongoing GEO tasks and progress reports – Jinlong Fan, GEO Sec
- Global Land Cover – Michael Brady, GOFC–GOLD and Tom Loveland, USGS
  - GLOBCOVER – Hugh Eva, EC–JRC
- Forest mapping and change monitoring – FRA 2010 – Adam Gerrand, FAO
  - TREES – Hugh Eva, EC–JRC
- Agriculture Monitoring – Jinlong Fan, GEO

- Global Fire Early Warning System – Alberto Setzer, INPE
- Forest Community of Practice – Michael Brady, CFS

## 2. Regional activities:

### Cover mapping

- Corine (tbd)
- Africover – Adam Gerrand, FAO
- North America Land Cover – Ken Brewer and Chuck Dull, USFS
- Africa CARPE – Matt Hansen, SDSU
- Fire and Agriculture – Ken Brewer, USFS
- Regional Networks on Fire – Alberto Setzer, INPE and Redlatif
- Circumboreal: results of GOFCC–GOLD workshop – Curtis Woodcock, GOFCC–GOLD

### Linkages to Forest inventory systems

- Europe – tbd
- North America – Ken Brewer, USFS

## 3. National activities:

### Tropics

- Brazil – Dalton Valeriano, INPE
- Africa – tbd
- Indonesia – Hermawan or Wardoyo, DEPHUT

### Temperate

- USA – Ken Brewer and Chuck Dull, USFS
- China – Jinlong Fan, GEO
- Australia – Peter Caccetta, CSIRO

### Boreal

- Canada – Michael Brady, CFS
- Russia – Alexander A. Maslov, RAS/Scanex

## 4. Methods

- Current applications of sensors in forest monitoring and mapping – Ruedi Wagner, Leica Geosystems AG
- Emerging radar techniques to support regional and local scale monitoring of tropical forests – Niels Wielaard, SarVision and Dirk Hoekman, Wageningen University

## 5. Discussion on Task Integrations, observation gaps, data needs, synthesis