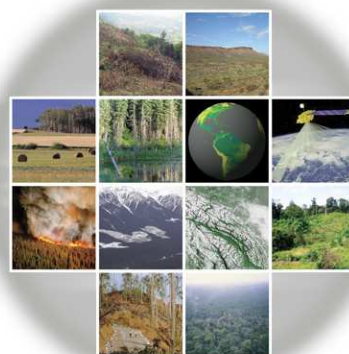


GOFC-GOLD

Global Observation of Forest and Land Cover Dynamics



4th GOFC-GOLD REDD Sourcebook development workshop:

**“Responding to the UNFCCC COP 15 outcomes:
experiences, requirements, and actions to develop the next
version of the GOFC-GOLD REDD Sourcebook”**

**Canadian Forest Service, Victoria, Canada
5-9 July 2010**

Announcement and Program

Draft: 26-May-10

Organized by:
GOFC-GOLD Project Office and Canadian Forest Service, Canada

and

Center for Geoinformation, Wageningen University, Netherlands



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Content

Content	2
Introduction	3
Local host and venue	4
Organizing Committee	4
Overview of Agenda	5
Participants	6
Travel and Accommodation	6
Appendix 1. List of Invitees	7
Appendix 2. Detailed agenda	9

Introduction

At the beginning of the 21st century, there is a growing global consensus that the cumulative effects human activities are impacting the Earth's ecosystems, atmosphere, and climate, and on their ability to support sustainable development. We need to improve our knowledge of biophysical and social systems and change policies and management practices throughout a broad range of human activities. A key, underpinning requirement to support these activities is to have systematic long-term observations of the forest and land cover characteristics and changes from local to global scales.

Global Observation of Forest and Land Cover Dynamics (GOFC-GOLD) is a coordinated international effort to ensure a continuous program of space-based and in situ forest and land cover observations to better understand global change, to support international assessments and environmental treaties and to contribute to natural resources management. GOFC-GOLD encourages countries to increase their ability to measure and track forest and land cover dynamics by promoting and supporting participation on implementation teams and in regional networks. Through these forums, data users and providers share information to improve understanding of user requirements and product quality. GOFC-GOLD is a panel of the Global Terrestrial Observing System (GTOS), sponsored by FAO, UNESCO, WMO, ICSU and UNEP.

In contribution to the UNFCCC/REDD process, GOFC-GOLD has organized three previous technical workshops:

- in March 2006 in Jena, Germany (Report: http://nofc.cfs.nrcan.gc.ca/gofc-gold/Report%20Series/GOLD_27.pdf),
- in April 2007 in Santa Cruz, Bolivia (Report: http://nofc.cfs.nrcan.gc.ca/gofc-gold/Report%20Series/GOLD_30.pdf), and
- in October 2008 in Jena (http://nofc.cfs.nrcan.gc.ca/gofc-gold/Report%20Series/GOLD_39.pdf).

The activities have resulted in several rounds of updates the GOFC-GOLD sourcebook on: “A Sourcebook Of Methods And Procedures For Monitoring And Reporting Anthropogenic Greenhouse Gas Emissions And Removals Caused By Deforestation, Gains And Losses Of Carbon Stocks In Forests Remaining Forests, And Forestation”. Thirty-six international experts have contributed to the Sourcebook development to date. This group effort aims to provide further explanation, clarification, and methodologies in addition to IPCC Guidelines for reporting changes in forest carbon stocks at the national level, and to support REDD early actions and readiness mechanisms for building national REDD monitoring systems. Version COP 15.1 has been released at the UNFCCC COP 15 and is available for download (<http://www.gofc-gold.uni-jena.de/redd/index.php>). Given the outcomes of COP 15, the ongoing use of the Sourcebook by countries and other actors involves in REDD MRV, the starting discussions by the IPCC national GHG inventory task force, the developments of evolving technologies, and the request and motivations by several experts and organizations to further engage in Sourcebook evolution, the GOFC-GOLD REDD working is organizing a 4th GOFC-GOLD REDD workshop with the title:

“Responding to the UNFCCC COP 15 outcomes: experiences, requirements, and actions to develop the next version of the GOFC-GOLD REDD Sourcebook”

The specific objectives include:

- Present and discuss UNFCCC-related developments and evolving requirements (i.e. from IPCC GHG inventory meeting) for monitoring forest carbon changes in developing countries
- Discuss key challenging issues and formulate technical and methodological recommendations to support building national level REDD MRV capabilities, data collection and develop national implementation strategies. The aim is to expand and improve what is already provided by the current Sourcebook and to expand to new topics that have been brought up in the recent political discussions and technical experiences on the national level, with a particular focus on:
 - Make recommendations through synthesizing experiences from developing countries working on REDD MRV development with particular emphasis on lessons learned from applying the current Sourcebook
 - Role of the monitoring of drivers and processes of forest carbon stock change and safeguards, and related links to policy developments on national level
 - Progress and assessment on evolving technologies, including activities of the GEO Forest Carbon Tracking task
 - Monitoring forest regrowth and degradation/changes in remaining forest areas to address issues related to sustainable forest management, forest conservation, and increase in forest carbon stocks
 - Methods and experiences on the accuracy assessments for forest area and area change
 - Management of information flows and building data infrastructures for estimation, reporting and uncertainty analysis and management on the national level
- Develop an action plan for sourcebook updating. All current Sourcebook authors and new experts will be invited and asked to participate in the next round of Sourcebook updates
- Outline developments and discuss contributions of GOFC-GOLD to related international activities and processes (UNFCCC, national and regional activities, IPCC, UN-REDD, GEO..)
- Discussions on implications for global forest monitoring and broader GOFC-GOLD objectives

Local host and venue

The meeting is hosted by the Canadian Forest Service Unit in Victoria, Canada and co-organized with Wageningen University and the GOFC-GOLD Project Office Edmonton, Canada.

Organizing Committee

GOFC-GOLD Project Office and Canadian Forest Service, Canada:

Michael Brady (mbrady@nrcan.gc.ca)

Werner Kurz (wkurz@pfc.cfs.nrcan.gc.ca)

Wageningen University:

Martin Herold (martin.herold@wur.nl)

Antoinette Stoffers (antoinette.stoffers@wur.nl)

START office

Kathleen Landauer (klandauer@agu.org)

The individual workshops will be organized by members of the GOFC-GOLD REDD implementation team as indicated in the table below.

Overview of Agenda

The meeting should included a number of different sections to cover the range of issues as described above and will be distributed for the full 5 days of workshop duration. Different people of the organizing group will to take responsibility to lead specific workshop sessions.

Day	Time	Workshops	Venue
Monday, July 5	Morning	Workshop organizer meeting, planning and stock taking <i>[DeFries / Achard / Herold]</i>	Canadian Forest Service Room
		Introduction and presentation on Canadian Forest Service Activities: <i>[Kurz, Brady]</i>	
	Afternoon	Session for updating specific Sourcebook sections: Biomass burning <i>[Boschetti, tbd (ESA)]</i>	
		Session for specific Sourcebook sections: linking national and sub-national monitoring (tbc) <i>[Mollicone, Herold]</i>	
Evening			
Tuesday, July 6	Morning	8.30 am – 1.00 pm: PRESENTATIONS Synthesize country experiences, international initiatives and general developments for using and updating the Sourcebook <i>[Herold / Mollicone / Brady]</i>	Canadian Forest Service Room
	Afternoon	2.00 pm – 6.30 pm: BREAKOUT GROUPS + REPORTS Synthesize country experiences, international initiatives and general developments for using and updating the Sourcebook: <i>[Herold / Mollicone / Brady]</i>	
	Evening	Joint reception (tbd)	
Wednesday, July 7	Morning	8.30 – 10.30 am SESSION 1: Role of REDD monitoring to assess drivers and safeguards <i>[De Fries / Mollicone]</i>	Canadian Forest Service Room
		11.00 – 1.00 pm SESSION 2: Monitoring options for forest regrowth and changes in forest remaining as forests, including SFM, conservation and increase in forest carbon stocks <i>[Pandey / Achard]</i>	
	Afternoon	2.00 pm – 4.00 pm SESSION 3: Data synthesis and integrating remote sensing, in-situ data and models <i>[Kurz / Wulder]</i>	
		4.30 pm – 6.30 pm SESSION 4: Evolving technologies and work with GEO FCT and Google <i>[Brady / Seifert / Woodcock]</i>	
Evening			
Thursday, July 8	Morning	8.30 – 10.15 am SESSION 5: Accuracy assessment of forest area and change – joint activities with CEOS Cal/Val <i>[Woodcock/Herold]</i>	Canadian Forest Service Room
		10.45 – 12.30 pm SESSION 6: National data management, information flows and infrastructures <i>[Van Laake]</i>	
	Afternoon	1.30 pm – 2.30 pm SYNTHESIS: Implications for global forest monitoring and interaction with international activities <i>[Herold / Achard / DeFries]</i>	

		3 pm – open end: Field trip to temperate rain forest and picnic [Kurz / Brady]	
	Evening		
Friday, July 9	Morning	9.00 am – 12.00 pm Core authors meeting: summary and planning (internal) [DeFries / Achard / Herold]	Canadian Forest Service Room
	Afternoon	1.00 pm – 4.00 pm Core authors meeting and next steps (internal) [DeFries / Achard / Herold]	

Participants

The list of invitees is provided in Appendix 1 and consists of the following groups:

- GOFC-GOLD Executive Committee, REDD working group and Sourcebook authors
- GOFC_GOLD Land Cover implementation team members
- Representatives from developing countries and GOFC-GOLD Regional Networks
- Members from international bodies including IPCC, FAO, UN-REDD, GEO, Worldbank FCPF etc.
- International forest monitoring monitoring experts

Travel and Accommodation

The workshop will be held at the Canadian Forest Service in Victoria, Canada.

We have secured a block of 40 rooms at a hotel in Victoria, the Inn at Laurel Point (www.laurelpoint.com). The block and the special price will remain reserved until 11 June. Attached is the form that each individual must use to make their reservation, including the people receiving travel support. The form is self explanatory and includes the hotel address and contact information. Please complete this form and send by fax or email to reservations@laurelpoint.com. If you have any questions please contact Michael Brady.

Other venue city information can be found here: <http://www.tourismvictoria.com/>

Local transport: in previous meetings in Victoria it has been proven useful for participants to rent cars for local transport and to get from the hotel to the venue and back. There is rental car pick up at the airport, i.e. Budget Rent-A-Car, and Avis (both within the airport). Learning from previous experiences and since we do not have the funds to rent a bus for all participants, we suggest that a few of us rent cars or minivans and then arrange to take all participants to the venue each day. If participants are able and willing to rent cars (or team up with others on that) please let us know so we can help to arrange that. This is actually not too expensive and comparable to using taxis for the week.

An option for travel between the airport and downtown:

<http://www.victoriaairportshuttle.com/>

Appendix 1. List of Invitees

Name	Representing
Participation confirmed	
Participation invited	
<i>Participation cancelled</i>	
GOFC-GOLD Executive Committee / GTOS	
Janetos, Anthony	GOFC-GOLD Chair
Brady, Michael	Executive Director GOFC-GOLD
Woodcock, Curtis	Co-chair Land Cover IT
Herold, Martin	Co-chair Land Cover IT
Latham, John	GTOS, Executive Committee
Valentini, Ricardo	GTOS chairman
Law, Beverly	GTOS/TCO
Dolman, Han	GTOS/TOPC panel chair
Arino, Olivier	ESA
Gutman, Garik	NASA, Executive Committee
Goldhammer, Johann	Co-chair Fire IT
Justice, Chris	Co-chair Fire IT
Kathleen Landauer	START representative
Representatives from countries and GOFC-GOLD regional networks	
Cuong Pham Manh	Vietnam
Krug, Thelma	Brazil
Bholanath, Pradeepa	Guyana
De Jong, Ben	Mexico
Bamfo, Robert	Ghana
Lagataki, Samuela	Fiji
Mane, Landing	Central Africa
Tbc	Redlatif
Tbc	West Africa Network
Tbc	South East Asia Network
Other to be added from GOFC-GOLD Regional Networks	
GOFC-GOLD members, Sourcebook authors and other expert participants	
Angelsen, Arild	University of Norway
Asner, Greg	Stanford University
Avitabile, Valerio	University of Jena, Germany
Baccini, Ale	Woods Hole RC
Boschetti, Luigi	University of Maryland
Briand, Paul	Canadian Space Agency
Brown, Sandra	Winrock
Csiszar, Ivan	NOAA
Defourny, Pierre	Université Catholique de Louvain, Belgium
DeFries, Ruth	Columbia University, USA

Name	Representing
Eggleston, Simon	IPCC National Greenhouse Gas Inventory Program
Federici, Sandro	Coalition for Rainforest Nations
<i>Grassi, Giacomo</i>	<i>JRC, European Commission</i>
Graham, Peter	Canada
<i>Grim, Ruud</i>	<i>NIVR, Netherlands Aerospace Agency</i>
<i>Hansen, Matthew</i>	<i>South Dakota State University, USA</i>
Held, Alex	CSIRO, Department of Climate Change, Australia
Hirata, Yasumasa	Forestry and Forest Products Research Institute
Hoekman, Dirk	Wageningen Agricultural University, Netherlands
Hoffmann, Anja	GOFC-GOLD Fire IT
Kellndorfer, Josef	Woods Hole RC
Kuntz, Steffen	Infoterra, Germany
Kurz, Werner	Canadian Forest Service
Lambin, Eric	UCL
Lotsch, Alex	Worldbank, Forest Carbon Partnership Facility
Lindquist, Erik	FAO FRA
Loveland, Thomas	USGS
Lück, Wolfgang	CSIR Satellite Applications Centre, South Africa
Maria Sanz Sanchez	UNFCCC Secretariat
Matsumoto, Mitsuo	Forestry & Forest Products Research Institute, Japan
Minnemeyer, Susan	World Resources Institute
Mollicone, Danilo	FAO / UN REDD
Moore, Rebecca	Google
Murdiyarto, Daniel	CIFOR
Obersteiner, Michael	International Institute for Applied Systems Analysis
Pandey, Devendra	Indian Forest Survey
Richards, Gary	Australia/ GEO task
Romijn, Erika	Wageningen UR
Rum, Giovanni	GEO secretariat
Saito, Hideki	Kyusyu Research Center, FFPRI, Japan
Seifert, Frank-Martin	ESA
Stehman, Stephen	SUNY, State University of New York, USA
Stolle, Fred	World Resources Institute, USA
Takao, Gen	Forest Environmental Monitoring FFPRI, Japan
Townshend, John	University of Maryland, USA
van Laake, Patrick	UN REDD
Volden, Espen	GMES Bureau, Belgium
Wulder, Mike	Canadian Forest Service, Canada
To be updated and expanded	

Appendix 2. Detailed agenda: 6. July

GOFC-GOLD Workshop on Reducing Emissions from Deforestation and Forest Degradation (REDD)		
Tuesday, 6. July. 2010		
SESSION 1: Introduction and requirements		
08.30-08.50	Opening and welcome remarks	CFS rep./Brady
08.50-09.00	Remarks from GOFC-GOLD	Janetos (tbc)
09.00-09.30	Update: UNFCCC REDD negotiations on MRV	Graham (tbc)
09.30-09.40	Workshop overview and objectives	Herold/DeFries
09.40-10.00	Discussions	
<i>10.00-10.30 Break</i>		
SESSION 2: Sourcebook feedback and experiences from countries (15 min presentation + 5 min discussion)		
10.30-10.50	Mexico	De Jong
10.50-11.10	Vietnam	Pham (tbc)
11.10-11.30	Japan	Hirata
11.30-11.50	Canada	Kurz
11.50-12.10	Central Africa (tbc)	Tbd
12.10-12.30	Guyana, Fiji (?), others (tbd)	Tbd
<i>12.30-13.30 Lunch</i>		
SESSION 3: Sourcebook feedback and experiences from international organizations (15 min presentation + 5 min discussion)		
13.30-13.50	IPCC GPG TSU	Eggleston
13.50-14.10	UN-REDD/FAO	Mollicone
14.10-14.30	Worldbank FCPF	Lotsch
14.30-14.50	Google	Moore
14.50-15.10	GEO FCT	Held/Seifert (tbc)
<i>15.10-15.30 Break</i>		
SESSION 4: Breakout group discussions		
15.30-17.00	Breakout group discussions	All
<i>17.00-17.15 Break</i>		
SESSION 5: Breakout group reports and discussions		
17.15-18.00	Report from breakout groups	All
18.00-18.30	Closing discussions	

Appendix 3. Detailed session planning

“Responding to the UNFCCC COP 15 outcomes: experiences, requirements, and actions to develop the next version of the GOFC-GOLD REDD Sourcebook” 5-9. July 2010 at the Canadian Forest Service, Victoria, Canada		
SESSION OVERVIEW		
Session Title:		
Date and Time:		
Organizer:		
OBJECTIVES AND EXPECTED OUTCOMES		
KEYNOTE PRESENTATION		
Time	Keynote presentation title	Presenter
DISCUSSION		
Time	Discussion topics, seed questions	Discussion panel or moderators
BACKGROUND MATERIALS (to be circulated prior)		