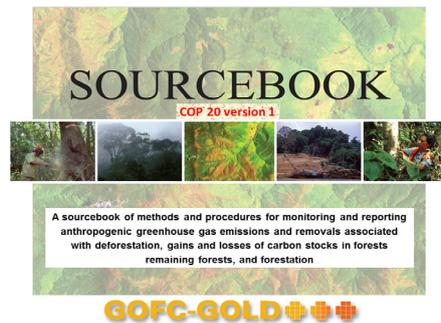


# LAND COVER AND CHANGE

Newsletter of the GOFC-GOLD Land Cover Project Office

## New release of the GOFC-GOLD REDD SOURCEBOOK

The REDD sourcebook provides a consensus perspective from the global community of earth observation and carbon experts on methodological issues relating to quantifying the greenhouse gas (GHG) impacts of implementing activities to reduce emissions from deforestation and degradation in developing countries (REDD). Based on the current status of negotiations and UNFCCC approved methodologies, this sourcebook aims to provide additional explanation, clarification, and methodologies to support REDD early actions and readiness mechanisms for building national REDD monitoring systems. It emphasizes the role of satellite remote sensing as an important tool for monitoring changes in forest cover, and provides clarification on applying the IPCC Guidelines for reporting changes in forest carbon stocks at the national level. This sourcebook is a living docu-



ment and further methods and technical details are specified and added with evolving political negotiations and decisions.

This year the introductory section has been updated to **report on the Warsaw Framework on REDD+** agreed by UNFCCC in November 2013. The **relationship to** Methods and Guidance Document published by the Global Forest Observations Initiative (GFOI) in 2014 is explained. An update on **evolving technologies** sec-

tion has been made with the addition of a sub-section on **UAVs (drones)**. The list of new sensors and datasets have been updated throughout the document. Significant changes have been made on **uncertainty estimation** section, and significant changes have been made in section on **community forest monitoring**. Sections on **deforestation** and **forest degradation monitoring** have been updated, as well as section on **biomass burning**. The REDD Sourcebook can be downloaded on the GOFC-GOLD Land Cover website: <http://www.gofcgold.wur.nl/redd/> or directly on your mobile device:



## GCOS Workshop on Observations for Climate Change Mitigation

The Global Climate Observing System (GCOS) and the Global Observations for Forest Cover and Land Dynamics (GOFC-GOLD) held a joint workshop on Observations for Climate Change Mitigation at the Headquarters of the World Meteorological Organization (WMO) in Geneva, Switzerland, from 5-7 May 2014.

The goals of the workshop were: (1) develop a statement on the general adequacy of the observations coordinated by the GCOS to support climate change mitigation and identify of further work that may need to be undertaken in preparation for the next GCOS status report on the Global Observing Systems for Climate, (2) identify requirements needed for observations and their use in monitoring to support climate services addressing



mitigation needs (especially in regard to the Agriculture, Forestry and other Land Uses (AFOLU) sector), (3) discuss strategic guidance on what steps both GCOS and GOFC-GOLD should take, and (4) provide guidance for technical communities,

data producers and data users. Deliberations highlighted the following mitigation issues that are likely to require the attention of the GCOS in future:

- review existing and consider new Essential Climate Variables (ECVs) that are related to climate change mitigation;
- identify and address gaps and requirements for observations to support their use in monitoring to support research into mitigation;
- provide guidance for technical communities to advise data producers (e.g., space agencies, observation networks) and data users (those involved in mitigation, and climate science community). Access report here: <http://www.wmo.int/pages/prog/gcos/index.php?name=ObservationsforMitigation>