

# GOFC-GOLD

Global Observation of Forest and Land Cover Dynamics



## A technical sourcebook for REDD implementation activities: Background and Scope

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**United Nations Climate Change Conference**

**Bali, 3 - 14 December 2007**

**GOFC-GOLD side event at CIFOR forest day: 8.Dec.2007, 12 pm**

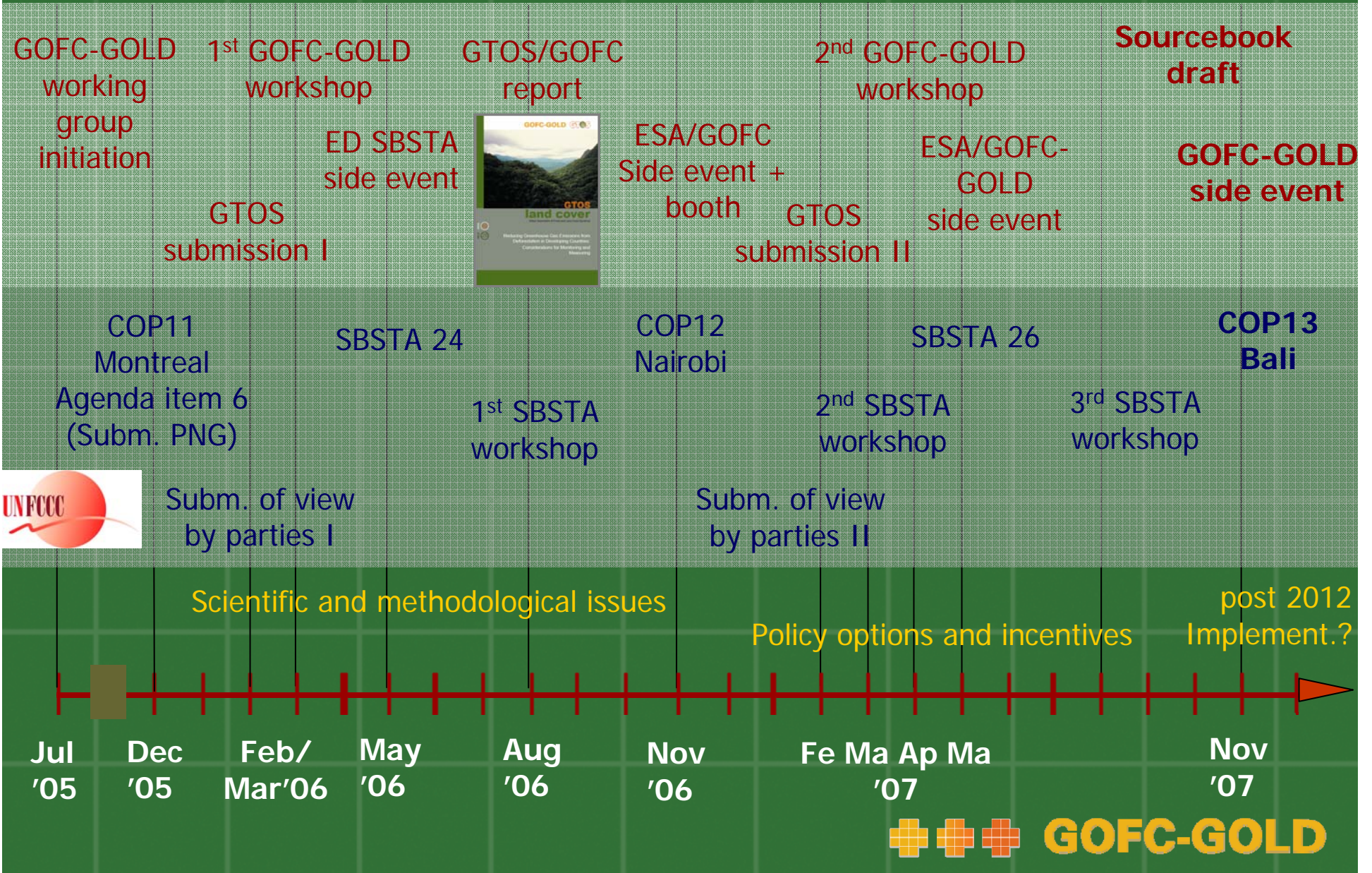
# Background

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1. REDD methodologies and tools become available:
  - UNFCCC negotiations and country submissions
  - Dedicated case studies
2. GOFC-GOLD REDD working group active since 2005 (2 GTOS submissions):
  - Satellite monitoring is the only objective approach in developing countries
  - Forest changes can be monitored with confidence for assessing and comparing historical and future rates of deforestation
  - Countries can start develop a national monitoring system and establish a historical reference



# Ensure contribution through participation



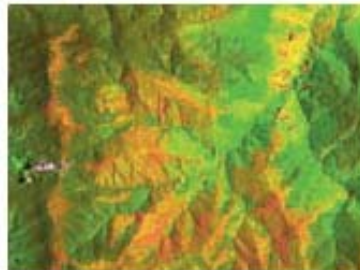


# Sourcebook title

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## SOURCEBOOK



Reducing Greenhouse Gas Emissions from Deforestation and  
Degradation in Developing Countries: A Sourcebook of Methods  
and Procedures for Monitoring, Measuring and Reporting



**GOFC-GOLD**

# Sourcebook rationale

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1. Consensus perspective from earth observation & carbon measurement and accounting experts:
  - 14 authors from 11 organizations
  - GOFC-GOLD platform to formulate scientific and technical consensus
  - User-friendly synthesis of technical procedures
2. Pre-Bali status of negotiations and UNFCCC approved methodologies and definitions
3. Provide a starting point for implementation:
  - for building national REDD monitoring systems
  - to support REDD early actions and readiness mechanisms



# Foundations of the sourcebook

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1. Global applicability; national conditions require use of different sensors, methods, and capacity building
2. Historical reference can be done consistently from 1990s onwards with confidence
3. Account for carbon emission in existing forest areas on a national basis:
  - Satellite data analysis to estimate forest area loss
  - Data on carbon stocks (ground-based)
  - Clarified approach based on IPCC GPG to report changes in forest carbon stocks
4. Measurement and monitoring system should be simple and provide conservative estimates

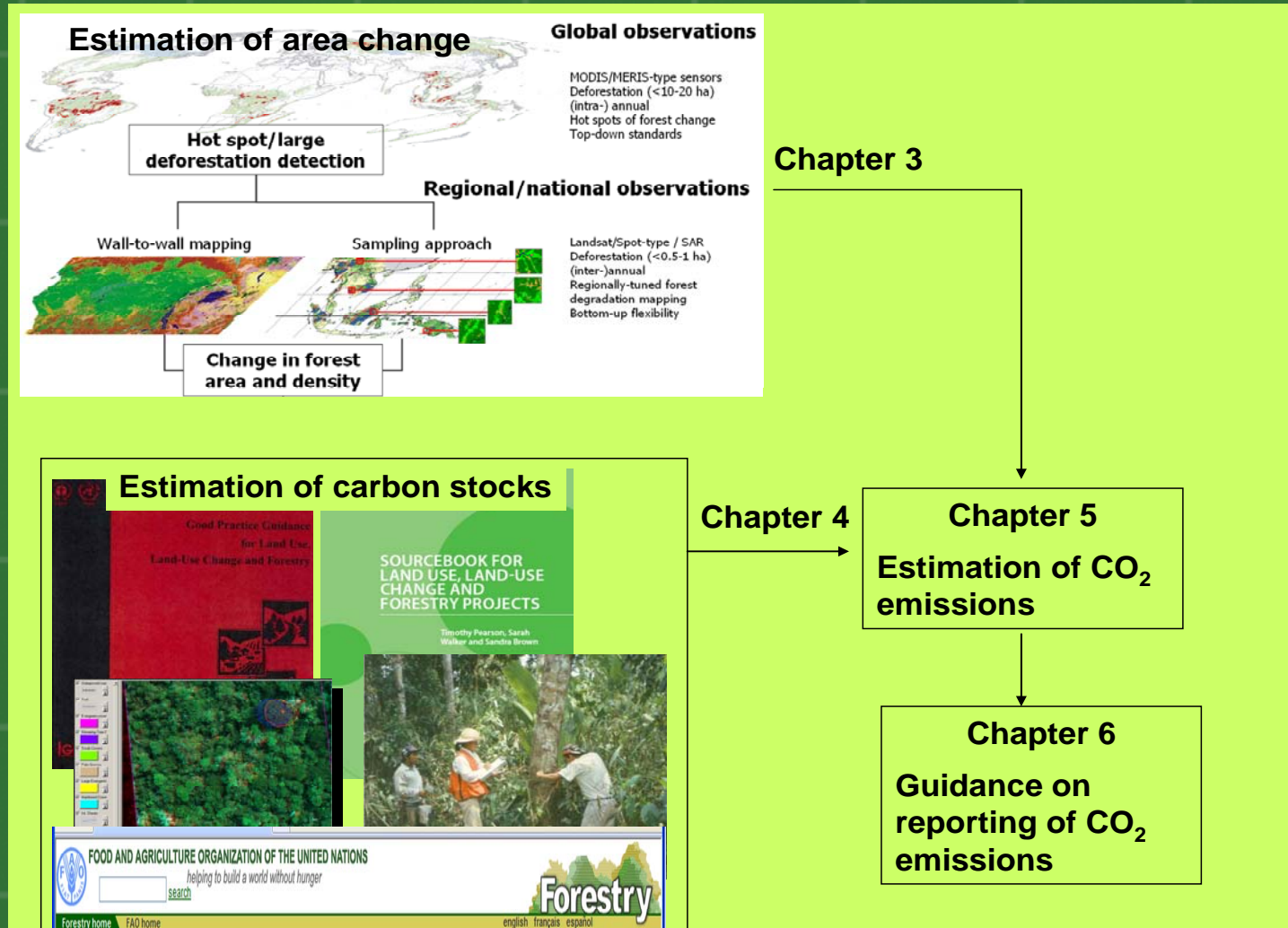
# Sourcebook objectives

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1. to provide transparent methods that are designed to produce estimates of changes in forest area and carbon stocks from deforestation and degradation
  - with low uncertainty
  - in a format that is user-friendly
2. to complement the IPCC GPG-LULUCF (2003) and IPCC Guidelines-AFOLU (2006) by providing additional explanation, clarification and enhanced methodologies for obtaining and analyzing key data

# Sourcebook format

## Chapter 1 and 2: Introduction and definitions





# Side event agenda

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1. Background and Scope  
*(M. Herold, GOFC-GOLD)*
- 2) Monitoring deforestation  
*(R. DeFries, U. of Maryland)*
- 3) Monitoring forest degradation  
*(D. Mollicone, MPI-BGC)*
- 4) Changes in carbon stocks  
*(S. Brown, WINROCK)*
- 5) Guidance on reporting  
*(G. Grassi, JRC)*
- 6) Discussions  
*(F. Achard, JRC)*