

Capacity Development for REDD+

Building National GHG Inventory Systems

“CD REDD II”

**financed by
the International Climate Initiative (BMU)**

**Training Workshop on the National System for the
GHG Inventory**

25-28 January 2011 FAO Headquarters, Rome, Italy



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Setting the context

- REDD+ will be an instrument to award developing countries for mitigation actions
- Common approach to monitoring, reporting and verifying results to ensure comparability in outcomes of different actions and/or different countries
- Under the UNFCCC such an approach is based on the National System and the National GHG Inventory
- Developing countries should become familiar with these instruments to ensure a prompt start of REDD+



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Setting the context

- The National System includes all institutional, legal and procedural arrangements made within a Party for *monitoring and reporting* purposes, in particular for:
 - production of estimates for the National GHG Inventory
 - reporting and archiving inventory information, aimed at ensuring the transparency, consistency, comparability, completeness and accuracy of National GHG Inventory
- It collects data from the monitoring instruments (*inputs*) and elaborates it in the National GHG Inventory (*outputs*).



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Setting the context: Cancun Decision

Full implementation of REDD+ Action (Phase 3):

- **Plans:** National Strategy or action plan. [para 71a]
- **Activities:** Results-based actions that are fully measured, reported and verified. [para 73]
- **Monitoring and Reporting:** National.[para 78] National Greenhouse Inventories.[60] National Inventory Reports every 2-4 years.[60c] MRV in accordance with agreed guidelines.[61] Flexibility given to least developed and small island developing states.[60]
- **Safeguards:** System for providing information on how safeguards will be addressed and respected throughout the implementation of activities. [para 71d]























































































































































































































































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Current capacities and support actions in potential REDD+ countries

LEGEND	
T =	technical capacities
I =	institutional capacities
CB =	capacity building
	no CB activities
	CB activities to be initiated
	CB activities underway
	CB activities completed

COUNTRIES	Capacities		Support to CB	COUNTRIES	Capacities		Support to CB	COUNTRIES	Capacities		Support to CB
	T	I			T	I			T	I	
Algeria				Gambia				Palau			
Angola				Georgia				Panama			USA, FAO (UNREDD)
Argentina				Ghana				PNG			USA, FAO
Azerbaijan				Grenada				Paraguay			FAO (UNREDD)
Bahamas				Guatemala			USA	Peru			
Bangladesh				Guinea				Philippines			USA
Belize			USA	Guinea-Bissau				Rwanda			
Benin				Guyana				Samoa			
Bermuda				Haiti				Senegal			
Bhutan				Honduras			USA	Serbia			
Bolivia				India				Seychelles			
Botswana				Indonesia			AUS, USA, FAO (UNREDD)	Sierra Leone			
Brazil				Iran				Singapore			
Brunei Darussalam				Jamaica				Solomon Islands			
Burkina Faso				Kenya				Somalia			
Burundi				Kyrgyzstan				South Africa			
Cambodia			USA, FAO (UNREDD)	Laos			USA	South Korea			USA
Cameroon			FAO (UNREDD)	Lebanon				Sri Lanka			FAO (UNREDD)
Cape Verde				Liberia				Sudan			
Central African Rep.			FAO (UNREDD)	Madagascar				Suriname			
Chad				Malawi				Swaziland			
Chile				Malaysia			USA	Syrian Arab Republic			
China			USA	Maldives				Tajikistan			
Colombia				Mali				Tanzania			FAO (UNREDD)
Comoros				Mauritania				Thailand			USA
Congo			FAO (UNREDD)	Mauritius				Timor-Leste			
Costa Rica			USA	Mexico			CAN, USA	Togo			
Cote d'Ivoire				Micronesia, Fed.St.				Trinidad and Tobago			
Cuba				Mongolia				Tunisia			
DRC			FAO (UNREDD)	Montenegro				Turkmenistan			
Dominica				Morocco				Tuvalu			
Dominican Republic				Mozambique				Uganda			
Ecuador				Myanmar				Uruguay			
Egypt				Namibia				Uzbekistan			
El Salvador			USA	Nepal			FAO (UNREDD)	Vanuatu			
Equatorial Guinea			FAO (UNREDD)	Nicaragua			USA	Venezuela			
Eritrea				Niger				Viet Nam			JAP, USA, FAO (UNREDD)
Ethiopia				Nigeria				Yemen			
Fiji				North Korea				Zambia			FAO (UNREDD)
Gabon			FAO (UNREDD)	Pakistan				Zimbabwe			

International Climate Initiative

- Headed by German Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU)
- 120 Mio. € annually from EU ETS market to fund innovative projects in
 - climate friendly investments / technology cooperation
 - adaptation projects
 - innovative projects at the interface climate and biodiversity / REDD
 - Contribute to “MRV-Regime“
- Up-scaling of innovative approaches desired
- Project results enter negotiation processes
- **Cooperation with partner countries:** Specific technical and political dialogue processes with strategic partner countries



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CD REDD I (Jul 2008- Dec 2009)

4 Global Workshops

- Berlin

(GHG Inventories)

GOFC-GOLD 

- Brazil

(Remote sensing for land detection)



- India

(National Forest Inventories)



- Bonn

(Readiness requirements for REDD+)

UN-REDD
PROGRAMME



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CD REDD I (Jul 2008- Dec 2009)

Understanding National Inventories for LULUCF Sector: The experience of Annex-I countries

Attendance: policy makers, people in charge for national communication and forest survey, technical staff from UN organizations and national technical cooperation agency

Organizers: GTZ, CfRN, InWent, in consultation with UNFCCC and IPCC task force on inventory

Time and Location: November, 2008 Berlin, Germany

Land Use Area Change Assessment: The experience of the existing operational systems

Attendance: countries technical staff, technical staff from UN organizations and national technical cooperation agency

Organizers: INPE – Gofc-Gold, GTZ, CfRN,

Time and Location: February, 2009 – San Jose de Campus, Brazil



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CD REDD I (Jul 2008- Dec 2009)

National Forest Inventory:

The experiences in non-annex I countries

Attendance: countries technical staff, technical staff from UN organizations and national technical cooperation agency

Organizers: FAO – Indian Forest Service, GTZ, CfRN,

Time and Location: March, 2009 – Derahdun, India

Readiness Requirements for REDD+:

Getting ready for developing countries

Attendance: countries technical staff, technical staff from UN organizations and national technical cooperation agency

Organizers: FAO, GTZ, CfRN, EPA

Time and Location: November, 2009 – Barcelona, Spain



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CD REDD II (Oct 2009 – Aug 2013)

Objective

Enhance technical capability to ensure that potential REDD+ developing countries will be ready to submit their national GHG inventory

!! Coordination with parallel initiatives that other national and international agencies are currently developing



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CDREDD approach

Building a **national** GHG inventory with a **stepwise, learning by doing approach** - based on **IPCC** guidelines – allows:

- starting with current technical skills and data availability
- gradually and continuously improving quality of estimates while technical skills are being further developed

→ **This approach addresses different national circumstances in a cost-effective way**



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CD REDD II Programme

Scope of the programme

- Build capacity on National GHG Inventory for the AFOLU sector with focus on forest related GHG fluxes (*reporting*)
- Provide trained experts from developing countries for the UNFCCC inventory review process for the AFOLU sector (*verification*)



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Outputs:

- Acquire knowledge on IPCC Guidelines
- Decision-making autonomy
- Institutional Arrangements for National Systems
- Documentation and Category-by-Category Description
- Key Category Analysis
- Quality Assurance and Quality Control Measures
- Inventory Archive System
- Zero order draft of the National GHG Inventory for the forest sector
- National Inventory Improvement Plan



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CD REDD II Project implementation

GLOBAL LEVEL

The project will develop synergies and coordination with relevant organizations dealing with capacity building in GHG inventories



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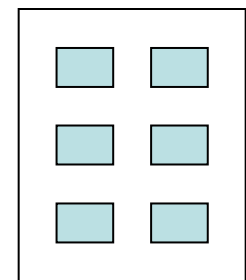
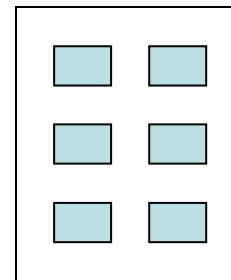
REGIONAL/NATIONAL LEVEL

Two technical units working in different countries and regions

giz



6-7 countries each



giz



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Global Activities

- 3 workshops to establish a common methodological approach for the year's activities and monitor results

WS1: National System, functions and process, followed by mail-based tests for verification of lessons learned

WS2: Data collection methodologies, review and update of activities in light of any new UNFCCC/IPCC decision/guidelines

WS3: Revision of the zero order draft of the National GHG Inventory for the forest sector and planning of potential improvements

- Participation of delegates from all countries involved and experts from all agencies
- Scheduled around the annual UNFCCC meetings



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Regional Activities

- one workshop and one training course (carried out together)
- Basic elements and steps for the National GHG Inventory preparation process, followed by tests for verification of the lessons learned
- Participation of delegates from target countries of the region
- **September 2009:** 1st regional scoping meeting in Tanzania
- Activities: Presenting activities of partner countries, identifying gaps, agreeing on next steps



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National Activities

2 training courses per country

NA1: *Training* on *methodologies* contained in the **2006 IPCC Guidelines** for the AFOLU sector, assisted **preparation of the Country Plan**, followed by **verification of lessons learned**

NA2: *Assisted application* of methodologies to the national data for preparation of a zero-order draft of the National GHG Inventory for the forest sector. Review by UNFCCC reviewers

Between the first and the second course, participants will be requested to collect available in-country data for the forest sector



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Web-based tools

Throughout the project

- Development of a webpage for the CD REDD II programme (training material, information on scheduled activities, partners' relevant activities, etc.)
- Interactive forums for exchange of questions and answers between trainees and experts
- Blogs for posting of relevant information, including on any update in the IPCC or UNFCCC guidelines



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Time (trimesters)

		2010				2011				2012				2013	
		II	III	IV	I	II	III	IV	I	II	III	IV	I	II	
Scale	Global	Project Kick-off meeting			I Workshop	Exercises		II Workshop (after COP17)	Exercises			III Workshop (after COP18)	Project Evaluation		
	Regional			I Workshop: scoping meeting in Tanzania (with UNFCCC, US EPA)		Workshops and training courses			Exercises						
	National						In country visit for setting up the National GHG Inventory for the AFOLU sector Training courses	Collection of available national data Exercises	Collection of available national data	Training courses	submission of the zero draft forest GHG Inventory				
Web remote assistance															



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CD REDD II is one step in ... Making REDD work ...



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