



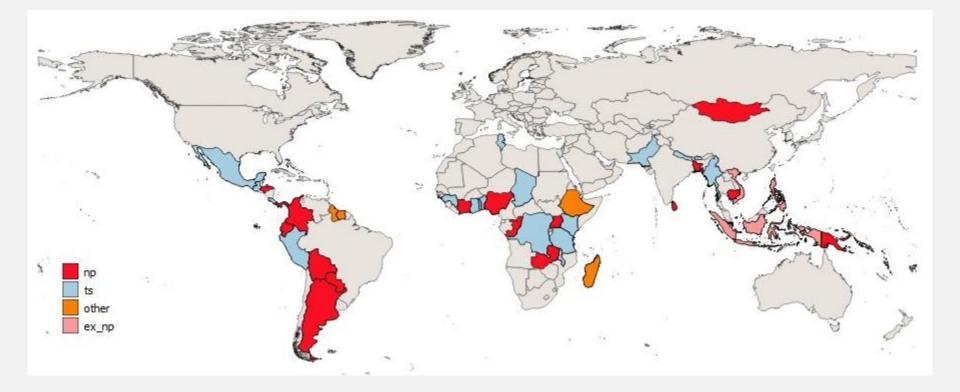
FAO Forestry Department

FAO in-country experiences of using the MGD

Inge Jonckheere March 2015 Sydney, Australia

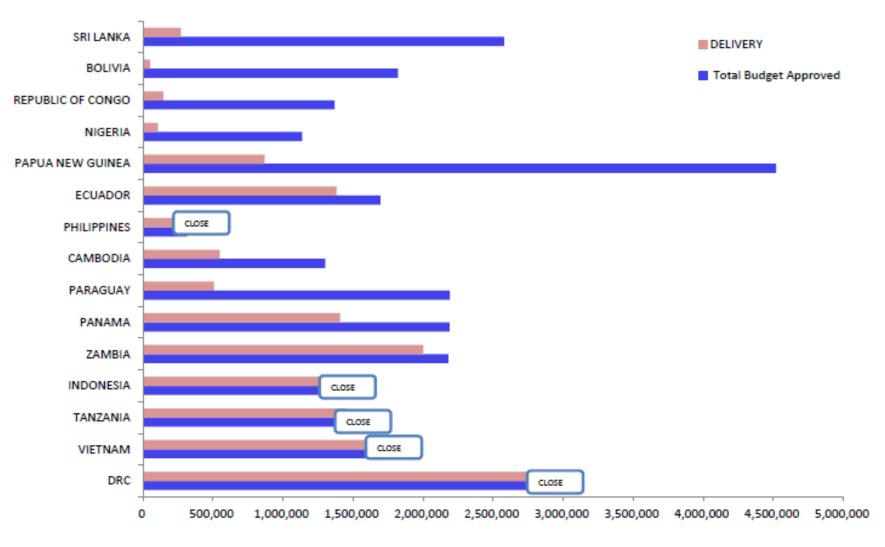






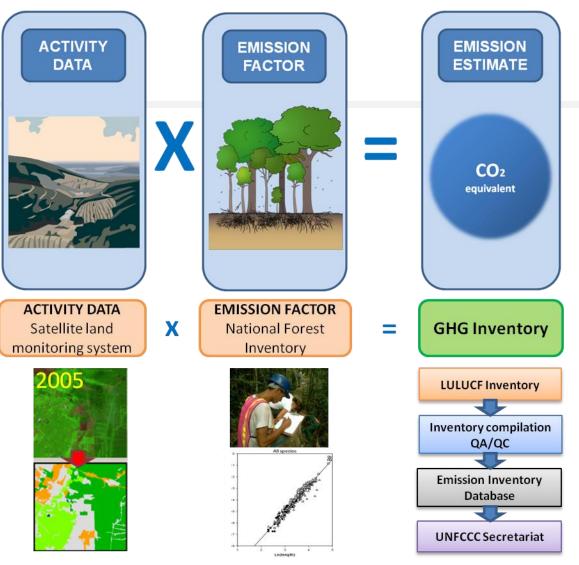
www.un-redd.org

UN-REDD NATIONAL PROGRAMMES





MRV: Measurement



The IPCC's methodological approach to calculate anthropogenic GHG emissions by sources and removals by sinks related to forest land.

FAO and its role in REDD+

FAO's key role in REDD+ readiness is to help countries develop, implement and operationalize their National Forest Monitoring System (NFMS)

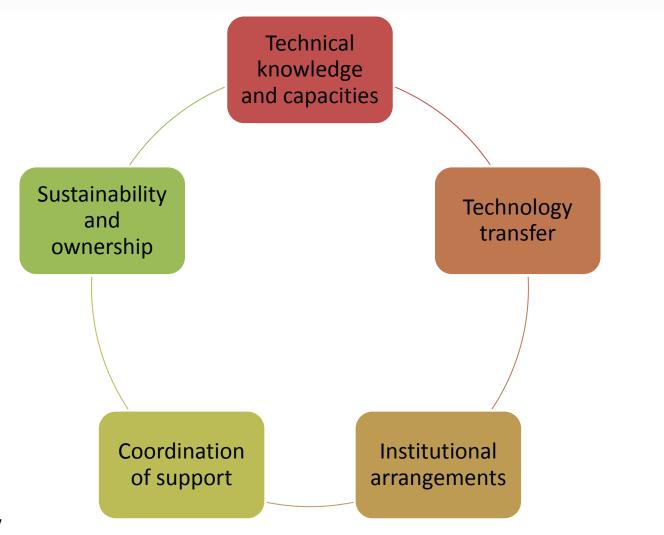
FAO also assists countries in conceptualizing and implementing REDD+ activities and in the development of policies and measures

Key principles of FAO's support

- National ownership
- Alignment with the UNFCCC process
- Step-wise approach that allows for improvement over time
- Builds upon existing capacities, available data and systems in place
- Use of open-source, freely available data and tools as much as possible
- Strengthening of national capacities (learning-by-doing)

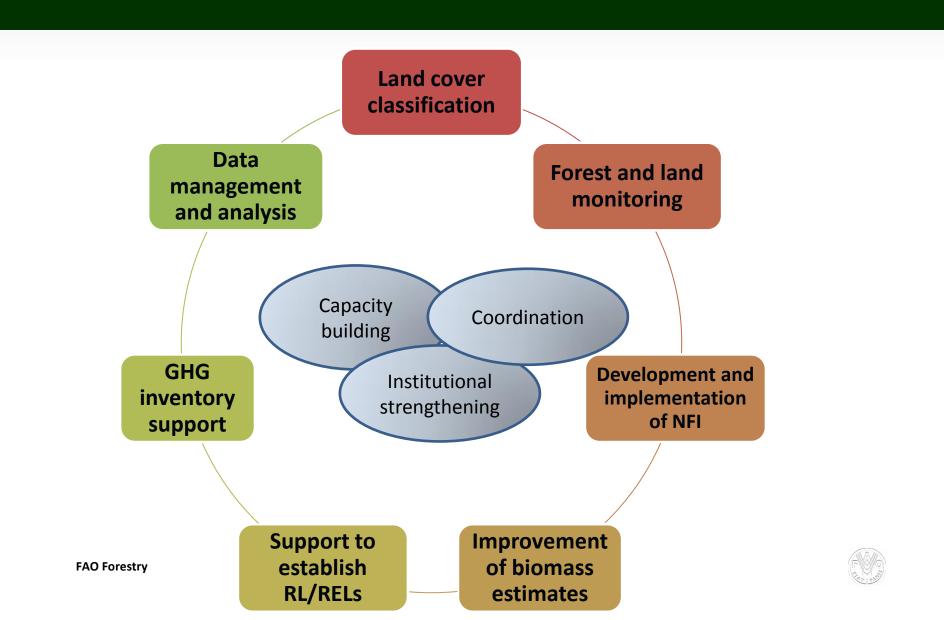


Key considerations in FAO's capacity building experience on REDD+





FAO's support areas for REDD+ NFMS



Technical knowledge and capacities

Countries require strong technical skills in the field of forest monitoring and MRV to implement REDD+							
Experience	Lessons learned						
 Capacities are highly variable, ranging from low to medium Donors, NGOs and investors may compete for skilled technicians Capacity is volatile: High turn around of skilled people in government institutions Short-term capacity building projects/activities yield limited impacts if basic capacities are low 	 National capacities are often over-evaluated Promoting learning-by-doing is essential Longer-term capacity building exercise, with daily support or regular follow up is necessary Long-term commitment is necessary to achieve durable results : vision has to be broader than 'project' 						



Methodologies and technology for NFMS and MRV

Countries require easy and inexpensive access to technology and tools to develop their NFMS

Experience	Lessons learned						
 Access to technology is often limited, particularly for remote-sensing technologies and data The basics are often missing (e.g. steady electricity, high-speed internet, performing computers, software packages) Certain technologies are costly (e.g. HR images, Lidar, commercial software packages), limiting large-scale deployment and sustainability 	 Not promote specific tools/data sets but provide overview of available options Help governments make informed decisions Support country decisions and tailor best available approaches while maintaining consistency and comparability of results Heavy reliance on complex & costly technology may not be in all developing countries' best interest Open source, free software and data set that meet REDD+ requirements are available. If not, new tools can be developed 						

PROGRAMME

Africa: status



Support to preparation of FCPF/R-PP

- Procurement satellite data: from provider negotiation untill delivery
- Training: Decentralization and training of provincial forest monitoring teams and Permanent Satellite monitoring Units
- Developing wall-to-wall forest cover maps
- Pre National Forest Inventory being executed
- Land cover maps support
- Maps on REDD+ environmental and social co-benefits
- Reference Level options to be developed by end of 2015 (COP)
- Support for NFI data analysis (supported by FAO's NFMA)
- Trainings on allometric equations and NFI data analysis
- Online web portal established and operating

UN-REDD Asia-Pacific Region: status



- Support to strategic planning of NFMS and RELs in <u>context of national</u> <u>REDD+ readiness</u>:
 - Bangladesh, Bhutan, Mongolia, Myanmar, Pakistan, Solomon Islands, Sri Lanka
- Planning and programming specifically of NFMS activities: NFMS Action Plans:
 - Bangladesh, Mongolia, PNG, Sri Lanka
- National land use and land use change assessment (training and assessment)
 - Mongolia (Targeted Support) and PNG
- Support to National Forest Inventories for REDD+:
 - Bhutan, Mongolia, PNG



Regional support: Latin America



	Par.	Ecu.	Col.	Bol.	Pan.	Arg*	Hon*	Cost*	Mex*	Guat'
Monitoring/Planning NP	Х	х	х	х	х	х	?			
NFMS	х	х	х	х	Х	х				
Web Platform	х	х	х	х		х				
REL/RLs	х	Х	х			х				
Remote Sensing	х	Х	х	х	х	х				
GHG Inventory	х	х	х		Х	х				
All. Equations	х	Х	х		Х	х				
National Forest Inventory	х	х	х	х	Х	х				
Safeguards		х	х			х		Х	Х	
Legal aspect							Х			х
PGA		х								
Regional workshops (potential themes)										
	-	-				_	_ .			

I-GEI, monitoring of for. Deg., remote sensing , web platform, REL

or planning phase of National Program

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UN-REDD PROGRAMME Common challenges



Institutions are generally weak or mandates not well defined

- Implementation and technical capacities in government institutions are highly limited
- Project-based mentality / lack of institutional resilience

• Absorption capacity is low

- Several REDD+ initiatives are competing for competent government staff
- Few government staff assigned for REDD+

• REDD+ is often not a priority on the development agenda

- Bringing REDD+ to a higher political level is difficult
- Environmental and forestry ministries have limited budgets/staff

Managing expectations

- REDD+ might eventually not lead to big money, so other purposes of the NFMS for the benefit of the country are key
- Corruption risk leads to stricter funds disbursement procedures





FAO's work on REDD+ Reference (Emission) Levels

planned products and country support



Products



Document with early REDD+ Reference (Emission) Level examples & lessons learned FMRLs Annex I

- Brazil rolling average
- Guyana combined incentives
- Annex I use of models to project timber harvesting
- etc

Technical guidance document REDD+ Reference (Emission) Levels , in line with MGD

- RL UNFCCC decisions in easy-to-understand language
- Overview methodologies and data requirements for RL
- Advantages and disadvantages methodologies





FAO's work on RS and web portals

planned products and country support



UN-REDD P R O G R A M M E

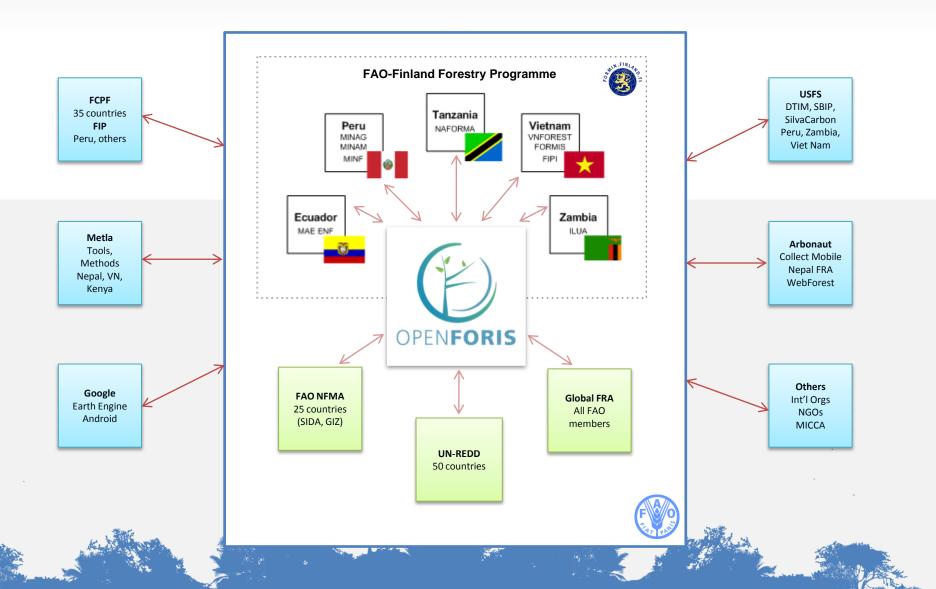
RS using MGD document

Document with accuracy assessment Level examples & lessons learned (Zambia,

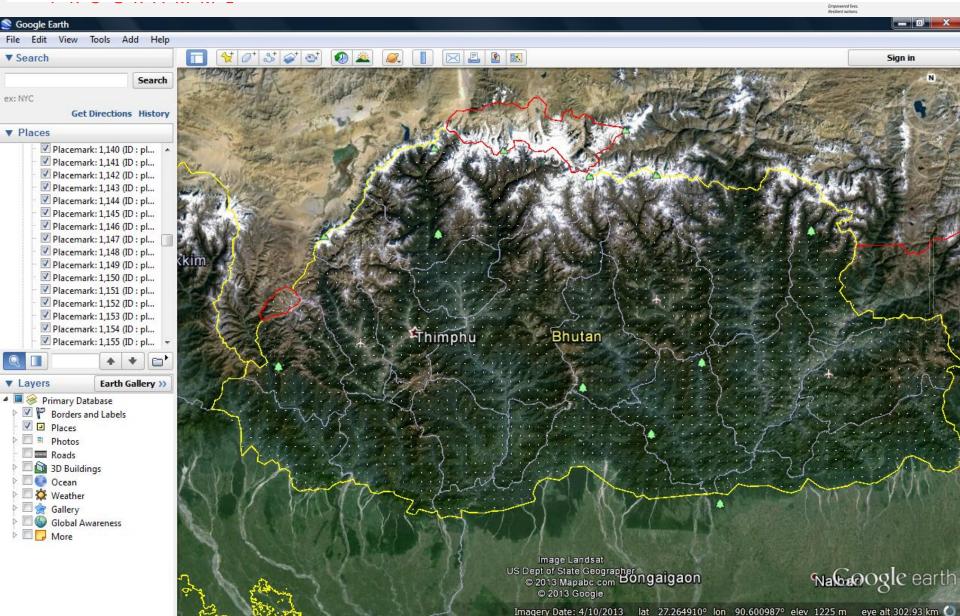
- Easy-to-understand language and exercices package: no one fits all approach
- Overview methodologies and data requirements for RS using OpenForis and other open source initiatives (R, QGIS) with hands-on examples
- Advantages and disadvantages of methodologies
- Use of global products and linkages with other initiatives (WWF, USAID, Silvacarbon, UNEP/UNDP)

Open Foris Initiative

Shared set of flexible software tools for NFM data processing, analysis and dissemination:



Open Foris Collect Earth: a feature for sampling with open source software and Google Earth Engine

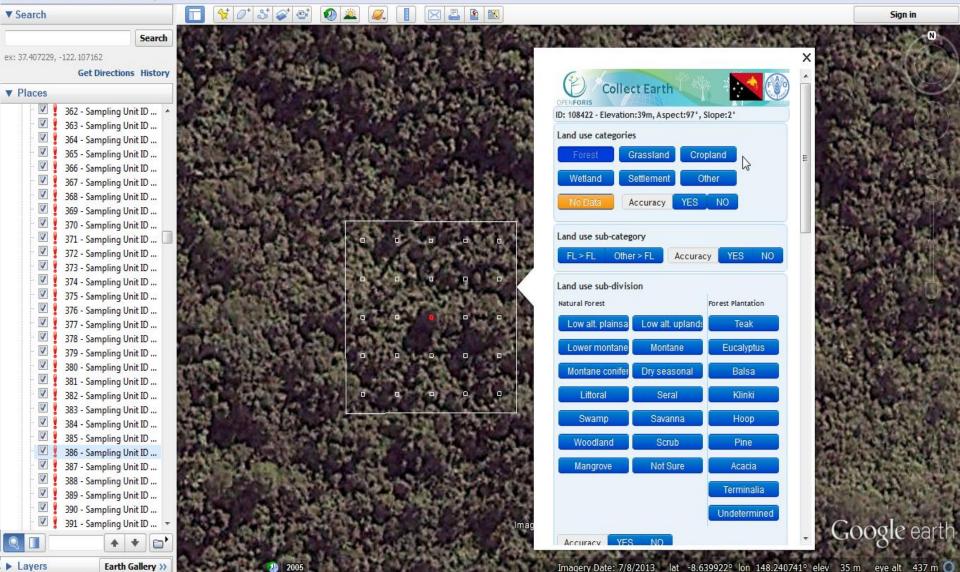


Open Foris Collect Earth Papua New Guinea: support to 1st phase NFI and LULUCF REDD+ activity data assessment

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Soogle Earth

File Edit View Tools Add Help



UN-REDD P R O G R A M M E

Web portals



Document with examples & lessons learned web portals

- Existing webportals (launched and ready to be launched)
 - DRC, Congo republic, Zambia
 - Paraguay, Ecuador, Argentina
 - PNG, Cambodia
- Ongoing
 - Vietnam, Sri Lanka, Myanmar
 - Colombia

Technical guidance document web portals

- Easy-to-understand language and exercices
- Overview methodologies and data requirements
- Options and methodologies for publishing
- In-country trainings and centralized overview trainings



NFMS Sample Portal

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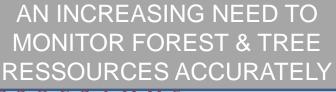




FAO's work on REDD+ National Forest Inventory

products and country support

Slide courtesy of M. Henry



PROGRAMME

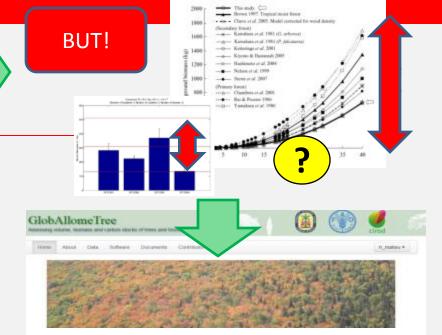




CAPACITY BUILDING & COUNTRY SUPPORT



NTEPS



Collection of existing data (e.g. through data sharing agreements or web portals i.e. Globallometree)



Harmonization and access of data & to contribute to national processes (i.e. >100 countries& > 250 institutions on Globallometree)

A Constant of the August







Document with examples & lessons learned NFI

Manual and exercices, in line with MGD but concrete, practical and in open source software (R)

Technical guidance document allometry

- Overview methodologies and data requirements
- Games to raise awareness
- Platform Globallometree online to upload/download equations (www.globallometree.org)
- In-country trainings and centralized overview trainings by specialized team

UN-REDD P R O G R A M M E

Conclusions



- MGD very useful but not directly usable for all three MRV pillars
- In-country assistance to direct needs, mostly in line with MGD (decision and country ownership)
- New hands-on documents and exercices developed by FAO for knowledge transfer
- Providing of options/alternatives in case of problems
- Country needs are key and driving factor
- Needs: highly dynamic and fastly changing: quick adaptation is needed
- Constant follow-up and help-desk is key





Thank you for your attention!

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