

Potential special studies related to FRA 2010

Global Forest Resources Assessment 2010
Technical meeting – Rome, March 3-7, 2008



Trees outside forests

Global Forest Resources Assessment 2010
Technical meeting – Rome, March 3-7, 2008



Issues and trends

- The trends of trees outside forest are rarely known at national level.
- There is no good approximation at global level.
- Who knows the status of the world's agroforestry, its trends and outlook?
- The complexity of the resource systems lead to institutional, methodological and operational difficulties for their assessment

Background and rationale

- TOF not systematically assessed at national level
- TOF not defined
- Institutional frameworks complexity: responsibilities, harmony, overlap, gaps (e.g. agroforestry, nwfp, urban forestry, wood energy)
- Kotka III (1996), IV (2002), V (2006)
- Expert meeting on TOF (Rome, 2001)
- Working Group on TOF at Kotka V

Achievements to date

- Definition agreed and elaborated
- Publications on the concept, methodologies, case studies, national reports, LFCC thematic reports (including in FRA and SOFO reports)
- National Forest Assessments (nfa)
 - Completed: Bangladesh, Cameroon, Costa Rica, Guatemala, Honduras, Lebanon, Philippines, and Zambia.
 - Ongoing: Angola, Congo, Kenya, Kyrgyzstan
 - Initiated: Algeria, Brazil, Nicaragua
- Capacity building

Proposal

- **WHAT:**
 - Special study on TOF
 - Develop and publish (e.g. case-studies, lessons learned, assessment practices)
- **HOW:**
 - Task Force on TOF for guidance on Thematic Study
 - Suggestions from National Correspondents and other Partners and Stakeholders
 - Assist countries in assessment in view of capacity building and methodologies development and validation
- **WHERE & WHEN**
 - To be defined

Proposal

Proposal for a Task Force for the Thematic Study Scope and Objectives

... some elements for consideration ...

- Definition of the **scope of a thematic study** on assessment and monitoring of trees outside forests
- Clarification and Confirmation of **Definition**
- Review and Collation of Existing **TOF Assessment Methodologies** and Assessment Results with a View to eventual standardization and categorization of variables
- **Harmonization** of TOF assessment data gathering and analysis with FRA reporting format.
- Production of **Guidelines** for the FRA National Correspondents
- Provision of **technical assistance** and advice to countries on TOF reporting

Desired outcomes

- Report on the Thematic Study
- Data gathered, analyzed and available
- Case-studies and lessons learned published
- Institutional and sectoral dialogue and cooperation
- Capacity building of national correspondents and other stakeholders
- Recommendations for further development
- Contribution towards the world's state of TOF

Potential partners

- **Examples of Partners in case studies:**
 - Global, concept, methods (CIRAD and IRD-Développement)
 - Costa Rica (CATIE),
 - France (NFI and Solagro Association)
 - India, Indonesia (International Centre for Forest Research)
 - Kenya (Moi University)
 - Mali (Institute of Rural Economy)
 - Morocco (École nationale forestière d'ingénieurs)
 - Namibia (Ministry of Environment and Tourism)
 - Sudan (University of Khartoum).
- **Other International institutions involved to now: ICRAF, WRI, ...**
- **Kotka V working group on TOF**
 - Bangladesh, Guatemala, ICRAF, India, and South Africa.
- **National institutions: in all regions**
- **UN agencies and others...**

Publications

List of Selected Publications
&
Publications available

available
Red Room Desk




Contact

Michelle Gauthier
Forestry Officer
Forest Conservation Service
FAO, Rome, Italy
Tel: ++ (39) 06-5705-3692
<michelle.gauthier@fao.org>

Wood Energy Statistics


Global Forest Resources Assessment 2010
Technical meeting – Rome, March 3-7, 2008





Wood Energy Statistics


- **Background**
- **Rationale**
- **Proposal**
- **Desired outcome**
- **Potential partners**



Wood Energy Statistics

Background


- **WE statistics are vital for:**
 - understanding dynamics of WE Systems
 - evaluating role of WE in forestry & energy sectors
 - assessing energy use of forest products
 - formulating forestry, energy & WE policies
- **Quality/quantity of “WF” data are limited but improving...**



Wood Energy Statistics

Rationale - Main issues


- **Weak institutional capabilities**
- **Differences in “Forestry & Energy” approaches**
- **Discrepancies in reported values**
- **Inconsistency in terminology & definitions**
- **Differences in measurement units**



Wood Energy Statistics

Proposal


- **What: To improve the reliability of WE-DB at national level**
- **How: To undertake ad hoc WF surveys**
- **Where: Selected pilot countries**



Wood Energy Statistics

Desired outcome

- **Updated WE-DBs in selected countries**
- **Access to WE-DBs improved**
- **Inter-sectoral linkages established**
- **Harmonized WE definitions and references**



Wood Energy Statistics

Potential partners

- **Energy Units:**
IEA, & UN-New York, AFREC, OLADE..
- **Forestry Services:**
EUROSTAT, ITTO, ECE, EFI, OECD....

Étude thématique sur le 7ème élément de l'aménagement durable des forêts

Utilisation des données globales
sur les politiques,
les cadres légaux et institutionnels (PLI)

Global Forest Resources Assessment 2010
Technical meeting – Rome, March 3-7, 2008



Justification

FRA 2010 collecte pour la *première fois* des
données quantitatives PLI globales

SI ?

- + données qualitatives régionales (MCPFE, COMIFAC, OIBT, nfp INFO, SEUR, etc)
- + compétences additionnelles

=

Exploitation complète des informations PLI

Objectif et approche

Créer une équipe de partenaires
scientifiques pour étudier des
questions et tendances des PLI sur
les forêts

- Consulter pour définir les questions
- Partager les informations PLI
- Analyser les situations et tendances
- Tester au niveau des pays

Partenaires et résultats

- Organisations régionales, Recherche (IIEE, CIRAD, CIFOR, etc), Agences (BM, UN, OCDE), Programmes (pfn INFO, mécanismes pfn)
- Coordination sur PLI (ECE/UN)

Résultats

- Meilleure connaissance des PLI
- Identification de tendances
- Promotion de réseaux

Forests and Poverty

Global Forest Resources Assessment 2010
Technical meeting – Rome, March 3-7, 2008



Background

- Outdated forest inventories
- No data to build case
- Limited government buy-in



Proposal

- Link
 - population & spending
 - ecosystems & services
- Show
 - how natural resources are connected to well-being & economic growth



Expected outcomes




Demonstrate relationship between:

- Land, people, prosperity
- poverty reduction in the hardest hit areas
- better use of natural resources


Potential partners

- Other divisions in FAO
- National Forest Programme Facility
- World Conservation Union
- World Resources Institute
- International partners, for example
 - Norway
 - the Netherlands
 - USAID

Forests and Livelihoods




Global Forest Resources Assessment 2010
Technical meeting – Rome, March 3-7, 2008




Background

Contributions of forestry to GDP

- under agriculture
- credited elsewhere
- not counted at all



Proposal



- Add questions to national surveys
- Develop stand-alone questionnaires

Desired outcomes



- Value of forest products quantified
- Greater appreciation of forests
- Better recognition of contributions
- More incentive to manage resources
- Increased resources to the sector?

Potential partners

- Within government
 - forestry department
 - national statistics office
 - agriculture
 - tourism
 - wildlife
 - industry (SME)
- Bilateral partners
- CIFOR
- World Bank
- IUCN, WWF, among others



Forest Degradation

Global Forest Resources Assessment 2010
Technical meeting – Rome, March 3-7, 2008



Rationale

- REDD (Reduced Emissions from Deforestation and Degradation)
- UNFF Global Objective 1 (... and increase efforts to prevent forest degradation)
- Lund 2001
- Harmonization of Forest-related Definitions (FAO, IPPC, CIFOR, UNEP, IUFRO...):
 - Forest degradation is the reduction of the capacity of a forest to provide goods and services

Parameters

- **Forest type:** secondary forest
- **Fragmentation**
- **Change within the forest:** structure; crown cover; species composition; stocking
- **Reduction of capacity to provide:** Goods; services; carbon stocks; other functions
- **Time scale:** specified duration
- **Cause:** human-induced; natural
- **Reference state:** natural forest site; carbon stock at initial date...

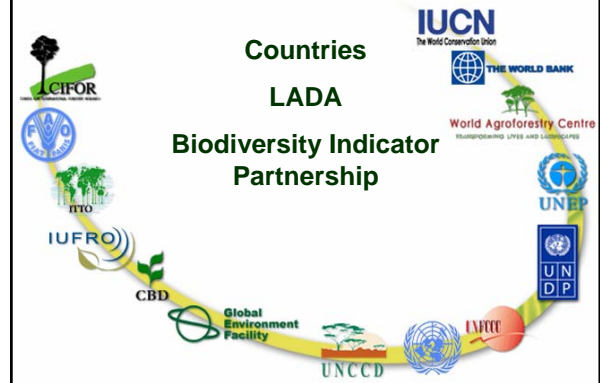
Proposal

- Review available definitions of forest degradation
- Identify parameters of forest degradation
- Review available methods for assessing (some of) these parameters or suitable proxies
- Compilation of best assessment practices

Desired outcome

- Awareness of the many facets of “forest degradation”
- Operational definitions of components of forest degradation
- Tools to help assess and monitor forest degradation – or components thereof

Potential Partners



Forests and climate change

Global Forest Resources Assessment 2010
Technical meeting – Rome, March 3-7, 2008

Forests and climate change


- Important political issue
- Opportunity to raise political profile of forests
- First subject mentioned in FRA 2010 leaflet

Existing reporting

- UNFCCC: carbon: planting since 1990, land use change, etc
- Global FRA: carbon (Table 8 for FRA 2010)
- Global FRA net changes in area deforestation estimate - carbon emission


Forests and climate change - the interactions

- Carbon
 - sequestration and reducing emissions from deforestation
 - other effects also important, e.g. for wood fuels and wood products need Life Cycle Analysis
- Other impacts on climate (e.g. reduce flooding)
- Climate changes affect trees - need for adaptation



Potential Special Study


- Many studies in past and planned (e.g. Bali Action Plan, UNECE)
- None provides comprehensive analytical framework
- Proposed special study for FRA 2010
 - Review literature and other studies
 - Establish analytical framework
 - Economic values
 - Assess feasibility of country data
 - Country case studies



Forest Genetic Resources

FRA Thematic Study Forest Genetic Resources

Oudara Souvannavong
Senior Forestry Officer
(Biological Diversity and Conservation)
Forest Management Division



Forest Genetic Resources

What are FG Resources?

- The actual or potential value of the diversity between and within forest tree species.


What is FG Diversity?

- GD includes differences
 - Between species / within species
 - Between / within populations
 - Between alleles in the chromosomes



Forest Genetic Resources

- FGR basis for meeting growing demand for forest goods and services
- Genetic diversity main basis for adaptation to future needs and environmental conditions
- Global picture missing on the status and trends for decision making at global, regional and national level



Forest Genetic Resources

CGRFA 11th Session - June 2007

- approved the inclusion in its Multi-year Programme of Work of The State of the World's Forest Genetic Resources
- preparatory process would be presented and discussed at its 12th Session (2009), with a view that The State of the World's Forest Genetic Resources be considered at its 14th Session (2013)
- recommended that the COFO and the FAO Reg. Forestry Commissions should be fully involved ... in synergy with relevant regional and global programmes, and instruments, such as the CBD



Forest Genetic Resources

Global GR process


- State of the World's GR – country driven process (Status, trends, needs, gaps)
 - SoW Plant Genetic Resources for Food and Agriculture 1996 (Crops)
 - SoW Animal Genetic Resources for Food and Agriculture 2007
- Global Plan of Action (and funding mechanism)



Forest Genetic Resources

Possible Contents of a SOW-FGR

- THE STATE OF DIVERSITY
 - Origin and history
 - Status of Forest Genetic Resources
 - Flows of Forest Genetic Resources
 - Uses and Values of Forest Genetic Resources
 - Threats
- FOREST SECTOR TRENDS AND IMPLICATIONS TO FOREST GENETIC DIVERSIFICATION
- THE STATE OF CAPACITIES
- THE STATE OF THE ART IN THE MANAGEMENT OF FoGR (Method for Characterization, Improvement, Valuation, Conservation, Research Priorities)
- NEEDS AND CHALLENGES FOR THE FUTURE



Forest Genetic Resources

PROPOSED FGD INDICATORS


- **SPECIES**
 - Nbr native species by country
 - Nbr threatened species by country
 - Nbr “priority” species by country
- **SUB-SPECIES**
 - Nbr genecological zones by species
 - Nbr trees by genecological zone



Forest Genetic Resources

Additional FGD criteria?


- Country membership of network on FGR
- Existence of a national FGR program
- Delimitation of ecogenecological zones
- Existence of legal instrument on ABS for forest trees
- **FROM MANY CRITERIA TO A SINGLE INDEX?**



Forest Genetic Resources

Regional Workshops on Forest Genetic Resources

Eco-region	Nbr countries	Country Status report	Priority species	National species list	Populati on levels
Temperate North America (1995)	3		+	-	-
Boreal Forests, 1995	20		+	-	-
Sahelian Africa (1998)	15	+	+	-	+
Pacific Islands (1999)	18	+	+	-	+
Eastern, Southern Africa (2000)	9	+	+	-	*
South East Asia (2001)	8	+	+	-	+
Central America (2002)	9	+	+	-	*
Central Africa (2003)	6	+	+	-	*
South Asia (2003)	13	+	+	-	*



Forest Genetic Resources

Thank you