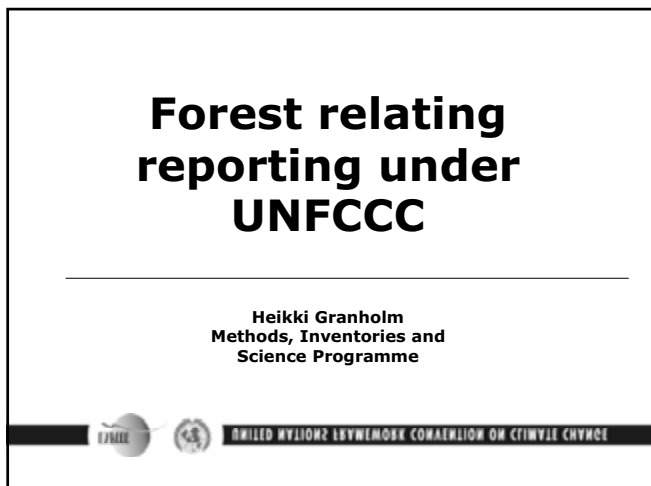


Annex 11.9 Forest relating reporting under UNFCCC: Mr. H. Granholm



CONTENTS

- Characteristics of reporting
- Background information on GPG and CRF
- Examples of draft reporting tables (to be considered at SBSTA 19)
 - o LULUCF categories for reporting under the Convention
 - o LULUCF activities for reporting under the Kyoto Protocol
- Possibility for clarifying questions

- ### Characteristics of reporting
- Based on methodological work by IPCC and SBSTA
 - Forest included under LUCF/LULUCF
 - Clear purpose and mandate of each reporting
 - Reporting guidelines developed and negotiated by Parties
 - Review of reports, synthesis of information and data bases
 - IPCC good practice guidance for LULUCF (2003)
 - New reporting tables to be agreed upon

- ### IPCC GOOD PRACTICE GUIDANCE FOR LULUCF
- Estimation of changes in carbon stocks and emissions for land categories and changes in land categories:
 - Forest land
 - Cropland
 - Grassland
 - Settlements
 - Wetlands
 - Other land

- ### COMMON REPORTING FORMAT
- Standardized, electronic, format for reporting estimates of GHG emissions and removals and other inventory information
 - Designed to facilitate comparison of inventory data and trends among Annex I Parties
 - Explanation of qualitative information should be provided in National Inventory Report (cross-references between CRF and NIR)
 - Contains:
 - o Summary
 - o Sectoral and trend tables
 - o Sectoral background data tables (reporting activity data and estimates and calculation of implied emissions factors)
 - o Tables for reporting key source categories, recalculation and completeness of inventory

SECTORAL REPORT FOR LULUCF (Draft)

GREENHOUSE GAS SOURCE AND SINK CATEGORIES	CO ₂ emissions ⁽¹⁾	CO ₂ removals ⁽²⁾	Net CO ₂ emissions/removals ⁽³⁾	CH ₄	N ₂ O	NO _x	CFE
Forest Land Use, Land-Use Change and Forestry							
A Forest land (total)							
+ Forest land remaining forest land							
- Land converted to forest land							
B Cropland (total)							
+ Cropland remaining cropland							
- Land converted to cropland							
C Grazing land (total)							
+ Grazing land remaining grazing land							
- Land converted to pasture							
D Forest land and grassland converted to wetlands, wetlands or other land (total)							
+ Forest land converted to wetlands, wetlands or other land							
- Wetlands converted to forest, wetlands or other land							
E Other (please specify)							
Provision							
Other use							
Total							

Documentation box
Signatories should provide detailed explanations on the land use, land-use change and forestry sector in chapter 7.1 and use, land-use, change and forestry (CRF sector 5) of the NIR. Use the documentation box to provide references to relevant sections of the NIR if any additional and/or further details are needed to understand the content of this table.

SECTORAL BACKGROUND DATA FOR LULUCF CATEGORIES

- 5.A. Forest land
- 5.B. Cropland
- 5.C. Grassland
- 5.D. Forest land and grassland converted to wetlands, settlements and other land

5.A. SECTORAL BACKGROUND DATA FOR LULUCF Forest land

Land category	Climate zone	Sub-division ^a	ACTIVITY DATA											EMISSION FACTORS									
			Total area ^b	Area of natural sites ^c	Area of degraded sites ^d	Area of forest ^e	Harvested timber ^f	Non-harvested timber ^g	Non-harvested wood ^h	Non-harvested forest products ⁱ	Non-harvested forest products ^j	Non-harvested forest products ^k	Non-harvested forest products ^l	Non-harvested forest products ^m	Non-harvested forest products ⁿ	Non-harvested forest products ^o	Non-harvested forest products ^p	Non-harvested forest products ^q	Non-harvested forest products ^r	Non-harvested forest products ^s	Non-harvested forest products ^t	Non-harvested forest products ^u	
																							CH ₄
			1990	2000	1990	2000	1990	2000	1990	2000	1990	2000	1990	2000									
			1990	2000	1990	2000	1990	2000	1990	2000	1990	2000	1990	2000	1990	2000	1990	2000	1990	2000	1990	2000	
5.A.1 Forest land remaining forest land																							
5.A.1.1 Forest land converted to cropland																							
5.A.1.2 Forest land converted to cropland																							
5.A.1.3 Cropland converted to forest land																							
5.A.1.4 Forest land converted to forest land																							
5.A.1.5 Other (please specify)																							

5.A. SECTORAL BACKGROUND DATA FOR LULUCF Forest land

Land category	Climate zone	Sub-division	ACTIVITY DATA											EMISSION FACTORS									
			Total area	Area of natural sites	Area of degraded sites	Area of forest	Harvested timber	Non-harvested timber	Non-harvested wood	Non-harvested forest products	Non-harvested forest products	Non-harvested forest products	Non-harvested forest products	Non-harvested forest products	Non-harvested forest products	Non-harvested forest products	Non-harvested forest products	Non-harvested forest products	Non-harvested forest products	Non-harvested forest products	Non-harvested forest products	Non-harvested forest products	
																							1990
5.A.1 Forest land remaining forest land																							
5.A.1.1 Forest land converted to cropland																							
5.A.1.2 Forest land converted to cropland																							
5.A.1.3 Cropland converted to forest land																							
5.A.1.4 Forest land converted to forest land																							
5.A.1.5 Other (please specify)																							

5.A. SECTORAL BACKGROUND DATA FOR LULUCF Forest land

Additional information for emissions from biomass burning in forest land

Land category	Activity data			Emission factors						
	Amount of biomass carbon burned			CH ₄		N ₂ O		CO ₂	NO _x	CO
	On-site	Off-site	Total (On-site + Off-site)	On-site	Off-site	On-site	Off-site	Total	Total	Total
5.B.1 Forest land remaining forest land										
5.B.2 Land converted to forest land										
5.B.2.1 Cropland converted to forest land										
5.B.2.2 Grassland converted to forest land										
5.B.2.3 Other (please specify)										
Settlements converted to forest land										
Other land converted to forest land										

5.A. SECTORAL BACKGROUND DATA FOR LULUCF Forest land

Documentation box

Documentation box:
 Parties should provide detailed explanations on the land use, land-use change and forestry sector in chapter 7: Land use, land-use change and forestry (CRF Sector 5) of the NIR. Use this documentation box to provide references to relevant sections of the NIR if any additional information and/or further details are needed to understand the content of this table, e.g.
 (i) to explain the use of notation keys;
 (ii) to indicate, when CRF tables are not sufficient, where additional data and information on activity data and estimates can be found;
 (iii) to indicate where in the NIR additional information on methodologies, parameters or activity data can be found.

RELATIONSHIP BETWEEN LAND CATEGORIES AND INVENTORY CATEGORIES

Final land use ^a	Forest land		Cropland		Grassland		Wetlands		Settlements		Other land	
	1990/2000/2005/2010/2015/2020	1990/2000/2005/2010/2015/2020	1990/2000/2005/2010/2015/2020	1990/2000/2005/2010/2015/2020	1990/2000/2005/2010/2015/2020	1990/2000/2005/2010/2015/2020	1990/2000/2005/2010/2015/2020	1990/2000/2005/2010/2015/2020	1990/2000/2005/2010/2015/2020	1990/2000/2005/2010/2015/2020	1990/2000/2005/2010/2015/2020	1990/2000/2005/2010/2015/2020
Forest land	S.A	S.B	S.A	S.B	S.C	S.D	S.E	S.F	S.G	S.H	S.I	S.J
Cropland	S.A	S.B	S.C	S.D	S.E	S.F	S.G	S.H	S.I	S.J	S.K	S.L
Grassland	S.A	S.B	S.C	S.D	S.E	S.F	S.G	S.H	S.I	S.J	S.K	S.L
Wetlands	S.A	S.B	S.C	S.D	S.E	S.F	S.G	S.H	S.I	S.J	S.K	S.L
Settlements	S.A	S.B	S.C	S.D	S.E	S.F	S.G	S.H	S.I	S.J	S.K	S.L
Other land	S.A	S.B	S.C	S.D	S.E	S.F	S.G	S.H	S.I	S.J	S.K	S.L

DRAFT REPORTING TABLES FOR LULUCF ACTIVITIES
(Not for Art 6 and Art. 12 activities)

- A. Summary table
- A.1. Afforestation and reforestation; lands not harvested during the first commitment period
- A.2. Afforestation and reforestation; lands harvested during the first commitment period
- A.3. Deforestation
- A.4. Forest management
- A.5. Cropland management
- A.6. Grazing land management
- A.7. Revegetation

TABLE A. SUMMARY TABLE

ELIGIBLE ACTIVITIES	CO ₂ emissions/ removals ¹⁾	CH ₄	N ₂ O
	(Gg CO ₂ e)	(Gg)	(Gg)
Total Land Use, Land-Use Change and Forestry activities²⁾			
<i>Article 3.3³⁾</i>			
Sub-total Article 3.3 activities			
Afforestation and reforestation (sub-total)			
A.1 Afforestation and reforestation: Lands not harvested during the first commitment period			
A.2 Afforestation and reforestation: Lands harvested during the first commitment period			
Afforestation and reforestation: Lands subject to elected activities under Article 3.4			
A.3 Deforestation			
Deforestation subject to elected 3.4 activities			
<i>Article 3.4⁴⁾</i>			
Sub-total Article 3.4 activities			
A.4 Forest management (if elected)			
A.5 Cropland management (if elected)			
A.6 Grazingland management (if elected)			
A.7 Revegetation (if elected)			

Table A.1.1 Afforestation and reforestation. Lands not harvested during the first commitment period

LAND AREA	ELIGIBLE ENERGY FACTORS	DEFINITIONS															
		IN THE YEAR t-1 AND t-2 (ARTICLE 3.3)												IN THE YEAR t			
		Land area of geographical area ¹⁾	Land area of geographical area ¹⁾	Land area of geographical area ¹⁾	Land area of geographical area ¹⁾	Land area of geographical area ¹⁾	Land area of geographical area ¹⁾	Land area of geographical area ¹⁾	Land area of geographical area ¹⁾	Land area of geographical area ¹⁾	Land area of geographical area ¹⁾	Land area of geographical area ¹⁾	Land area of geographical area ¹⁾	Land area of geographical area ¹⁾	Land area of geographical area ¹⁾	Land area of geographical area ¹⁾	Land area of geographical area ¹⁾
		A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P

Annex 11.10 Forest relating reporting under UNFF: Ms. S. Braatz

United Nations
Forum on Forests



The International Forest Policy Dialogue, the Collaborative Partnership on Forests, and the Global Forest Resources Assessment

Presentation to the meeting of the FRA National Correspondents, Rome, 18 November 2003

Susan Braatz
Secretariat of the UN Forum on Forests/FAO

1. What are the UNFF and the international forest policy dialogue ?
2. What is the Collaborative Partnership on Forests ?
3. What is the relationship between GFRA and UNFF and CPF ?

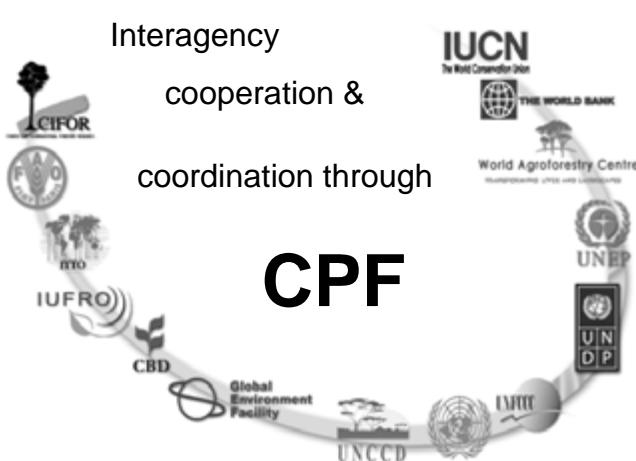
The international forest policy dialogue



- Intergovernmental deliberations**
- Intergovernmental Panel on Forests (95-97)
 - Intergovernmental Forum on Forests (97-00)
 - United Nations Forum on Forests (00-)
 - Foster a common understanding of sustainable forest management
 - Facilitate implementation of non-legally binding commitments on forests (IPF/IFF proposals for action)

Interagency cooperation & coordination through

CPF



- IPF/IFF proposals for action**
- Countries:**
- Improve national forest resource assessments
 - Make information related to SFM widely available
 - Encouraged countries to prepare national information on the management, conservation, and sustainable development of all types of forests as the basis for any consolidated information at the international level
- International and regional organizations:**
- Requests of IPF to FAO on FRA 2000
 - Improve and streamline international reporting and information systems on forests
 - Make adequate resources available for capacity-building for national reporting initiatives

CPF Activities: CPF Task Force on Streamlining Forest Related Reporting

- Comparative analysis of international reporting requirements: proposals for
- CPF Portal on Forest Reporting
- Framework for international reporting on forests
- Means to strengthen country capacity for monitoring, assessment and reporting on forests

- Providing advice to UNFF on its monitoring, assessment and reporting function

CPF members' activities related to strengthening country capacity

- **FAO** – assistance through GFRA, regional forest sector outlook studies, various regional C&I processes, and National Forest Programme Facility
- **ITTO** - development of national forest statistical information systems, 4 regional and 9 national training courses in the implementation of the ITTO C&I
- **UNFCCC** - information collection, analysis and dissemination for forest-related carbon inventories
- **CIFOR** – country-level testing and training related to C&I
- **GEF** – related to biodiversity, climate and land restoration projects
- **World Bank** – component of forestry projects

Annex 12: Presentations in Sixth Plenary Session

Annex 12.1 Introduction to Thematic Reporting: Mr. Kailash Govil

Annex 12.2 Thematic Reporting in Pilot Study - India: Mr. J. K. Ra wat

Annex 12.3 Thematic Reporting in Pilot Study - S. Africa: Ms. S. Kelatwang

Annex 12.1 Introduction to Thematic Reporting: Mr. Kailash Govil



Training of National Correspondents
on Assessing and Monitoring
Forest Land Use and Changes
November 17 to 21, 2003. FAO, Rome

Introduction to Thematic Reporting in FRA 2005

Dr. Kailash Govil

Outline

1. Rationale
2. Thematic Areas
3. Format of Reporting
4. Conclusion

Rationale

Presents condition of forests using
framework common to all C&I

Global Variables are few and may
not fully capture forest conditions

Additional variables may be needed
to present forest conditions in their
entirety

Six (Eight) Thematic Areas

- 1a. Extent of Forest
- 1b. Contribution to Carbon Cycle
2. Health and Vitality
3. Biodiversity
4. Productive Functions
5. Protective Functions
- 6a. Social Functions
- 6b. Economic Functions

Format of Thematic Reporting

- Method and Approach
- Relevant Variables
- Source and Source Data
- Data on Additional Variables

Method and Approach

For Selecting Additional Variables

Example: Pilot Study South Africa

Expert Consultations under
umbrella of its C&I Process

Group Convergence Method

Five Stages

- Identification of variables
- Identification of Data and Data Sources
- Compilation of national data and trends
- Evaluation of data and trends
- Assessment of sustainability of forest resources

Relevant Additional Variables

Example Thematic Area 1a: Extent of Forests in Pilot Study India, Page 56

- Recorded Forest Area
- Ratio of Closed and Open forests
- Forest Area diverted -> Non Forest
- Area under Trees Outside Forests
- Forest Area Under Management

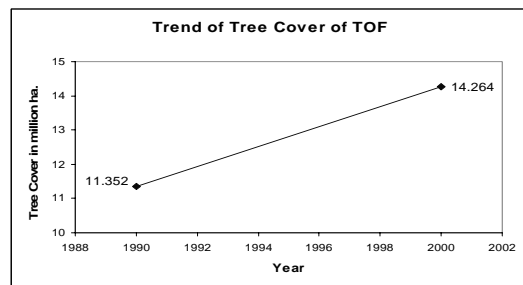
Source and Source Data

Example: Pilot Study South Africa, Page 38

Additional Variable	Source	Reliability	Year
Extent of natural and woodlands forest by type	Von Maltitz G. et al. 2003. Classification System for South African Indigenous Forests. CSIR.	Reliable	2002

Data on Additional Variables

Example: Tree Cover of TOF in Pilot Study, India, Page 61)



Optional: Review of Sustainability

Example: Tree Cover of TOF in Pilot Study, India, Page 109)

Criteria	Relative Weight	Score	Weighted Score
Extent of forest	14.9	69.2	10.3
Contribution to Carbon	10.1	61.0	6.2
Forest Health & Vitality	13.3	48.0	6.4
Biodiversity Function	12.7	58.3	7.4
Production Function	12.3	52.0	6.4
Protection Function	12.6	59.7	7.5
Social Function	11.9	47.1	5.6
Economic Function	12.1	49.3	6.0
Total	100.0		55.8

Annex 12.2 Thematic Reporting in Pilot Study- India: Mr. J. K. Rawat

Pilot Study for Thematic Reporting: **India**



Dr. J. K. Rawat

(Director, Forest Survey of India, Dehradun)

National Correspondents Training, Global Forest Resource Assessment,
FAO, Rome (Nov. 17-21, 2003)

India's Forestry Scenario at a Glance

- India's geographical area is 328 m ha, human pop. over 1 billion and cattle pop. about 0.5 billion
- India is the second most populous and seventh largest country in the World
- India's forests constitute 2% of World's forests but sustain the needs of 17% of human and 18% livestock population of the World
- One of the 12 mega-biodiversity regions in the world, Flora– 47,500 spp. (17,000 fl. spp.), Fauna– 89,000 spp.
- Out of 570,000 villages in the country, about 30% vill. near forests depend on forest resources for daily needs
- About 60% of country's cattle graze in the forest areas
- About 5% of geographical area (or 15 m ha) covered under 572 Protected Areas

Background to the Pilot Study for Country Reporting

1. Assessment of forest and tree cover by Forest Survey of India
2. FAO sponsored pilot study for assessment of status of sustainability of forest resources in India

Forest Survey of India



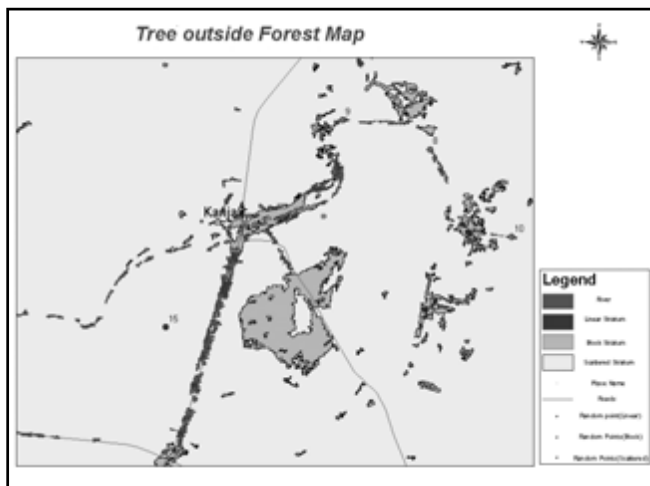
- An organisation under the Ministry of Environment & Forests, Government of India
- Conducts biennial assessment of forest cover based on satellite data and publishes findings in State of Forest Report every two years
- Carries out inventory of forest areas and Trees Outside Forests
- Takes up special studies, imparts training, etc.

State of Forest Report 2001

- Released in April 2003 (8th biennial report in the series)
- Forest Cover based on satellite data of Nov/Dec 2000
- Digital interpretation and classification at 1:50,000 scale (cartographic limit: 1 ha)
- Dense forest (canopy density >40%), Open forest (density 10-40%)
- Scrub (bushy, degraded, tree density <10%), not included in forest cover (*other wooded lands*)
- Assessment of tree cover (tree canopy below 1 ha) through field inventory, notional area covered by trees creating a forest of 70% density (10% found to consist of block plantations/forests of areas between 1.0 and 0.5 ha and included in "other lands with trees")
- Forest cover: 20.55% (dense: 12.68%, open: 7.87%); Tree cover: 2.48%; Total Forest & Tree Cover: 23.03 %
- Website www.fsiorg.net

Inventory of trees outside forests (TOF)

- Began in 1991-92 with objective to assess the extent of tree wealth outside forest areas (rural and urban)
- Stratified random sampling method used for assessment
- Country stratified into 14 physiographic zones and districts selected randomly spread over all the zones
- Urban frame survey used for sampling and assessing TOF in urban areas
- Satellite data (PAN and multi band) used for classification of TOF in rural areas into three broad categories (block, linear and scattered)
- Computer operated model used for selecting sample sites for each category
- GPS used for locating sample sites



**Pilot Study
for
Assessment of the Status of Sustainability
of
Forest Resources in India**

Sponsored by FAO, Rome
Conducted by Forest Survey of India, Dehradun

- Common Thematic Areas for
Sustainability of Forest Resources**
- 1(a) Extent of forest resources
 - 1(b) Contribution to the Global carbon cycle
 - 2 Forest ecosystem health and vitality
 - 3 Biological diversity
 - 4 Productive functions
 - 5 Protective functions
 - 6(a) Social functions
 - 6(b) Economic functions

- Method Used and Steps Taken**
1. A nodal officer and his team from Forest Survey of India was assigned duties to look after logistics and data processing needs for the study.
 2. A group of 30 experts representing foresters, scientists, academicians, biologists, NGO's, etc. from different institutions was identified and invited to participate in expert consultations.
 3. Two expert consultations were planned with a gap of about two weeks for data compilation.
 4. Group Convergence Method (GCM) was used.

During First Expert Consultation:
(Feb. 14-15, 2003)

1. Variables were identified for each thematic area
48 variables were finalised for 8 criteria
2. Relative weights were assigned to each thematic area and variable using GCM
3. Resource persons from among the experts were identified to compile data on these 48 variables
25 resource persons assigned duties

Thematic Area/Criteria	Relative Weight
1(a) Extent of Forest	14.9
1(b) Contribution to Carbon	10.1
2 Forest Health & Vitality	13.3
3 Biodiversity Function	12.7
4 Production Function	12.3
5 Protection Function	12.6
6(a) Social Function	11.9
6(b) Economic Function	12.1
Total	100.0

..... An illustration

Thematic Area 1a: Extent of Forests

Variable	Relative Weight
1. Forest area	22.0
2. Forest cover	23.9
3. Diversion of forest lands	16.8
4. Trees Outside Forest (TOF)	19.2
5. Forest under management plans	18.1
Total	100.0

During Second Expert Consultation:

(Mar. 05-06, 2003)

1. **Evaluation:** scores were assigned to each variable based on their data and trends (GCM applied for finalising scores)
2. **Data quality** was assessed and values were assigned (GCM applied)

Different Categories of Sustainability and corresponding Scores

(based on Data and Trends for a Variable)

<u>Category</u>	<u>Score</u>
Unsustainable	1-25
Towards Unsustainability	26-50
Towards Sustainability	51-75
Sustainable	76-100

Classes of Data Quality

<u>Class</u>	<u>Score</u>
Very Poor	1 (<1.5)
Poor	2 (1.5-2.4)
Satisfactory	3 (2.5-3.4)
Good	4 (3.5-4.4)
Very Good	5 (>=4.5)

..... An illustration

Thematic Area 1a: Extent of Forests

Variables	Score	Data Quality
1. Forest area	73.2	4.6
2. Forest cover	69.9	4.3
3. Diversion of forest lands	59.2	3.2
4. Trees Outside Forest (TOF)	72.7	3.6
5. Forest under management plans	68.8	3.3

..... An illustration

Thematic Area 2: Forest Health & Vitality

Variables	Relative Weight	Score	Weighted Score	Data Quality
Status of natural regeneration	13.9	36.4	5.0	3.2
Incidence of pest & disease	10.9	46.1	5.0	2.5
Incidence of weed infestation	10.2	39.3	4.0	1.8
Incidence of grazing	11.2	37.0	4.1	2.4
Incidence of fire	10.6	50.2	5.3	2.5
Pollutants	7.3	59.6	4.4	1.8
Density of forest canopy	14.1	69.5	9.8	3.9
Presence of indicator species	10.2	49.5	5.1	2.8
Forest fragmentation	11.6	45.6	5.3	3.0
Total	100.0		48.0	

Assessment of Data Quality

<u>Data Quality</u>	<u>No. of Variables</u>
Very Poor	0
Poor	9
Satisfactory	30
Good	8
Very Good	1
Total	48

Results of the Pilot Study

<u>Status of Sustainability of Forest Resources</u>			
<u>Criteria</u>	<u>Relative Weight</u>	<u>Score</u>	<u>Weighted Score</u>
1(a) Extent of Forest	14.9	69.2	10.3
1(b) Contribution to Carbon	10.1	61.0	6.2
2 Forest Health & Vitality	13.3	48.0	6.4
3 Biodiversity Function	12.7	58.3	7.4
4 Production Function	12.3	52.0	6.4
5 Protection Function	12.6	59.7	7.5
6(a) Social Function	11.9	47.1	5.6
6(b) Economic Function	12.1	49.3	6.0
Total	100.0		55.8

Some Suggestions for Improving Methodology

- **Wider representation in the group of experts**
(NGOs, local bodies, private industries, and academics etc.)
- **Separate scores for Data and Trend for each variable**
- **Greater effort in compilation of data/trends where data quality is less than satisfactory**
- **Or, recalculating the status after excluding a few variables for which data is poor**
- **Similar exercise at sub-national (state or district) and local levels**

National Reporting step 2: Report by Thematic Areas South Africa's pilot study

Sebueng Kelatwang

Outline

- Background
- Relevant variables
- Trends over time
- Temporal changes in variables
- **Summary Conclusion**

Background

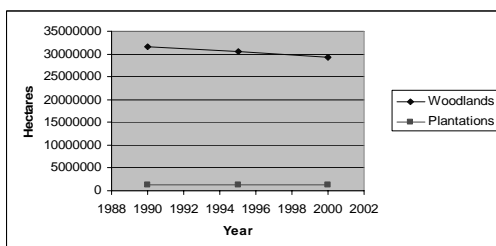
- A consultative process was undertaken to develop Criteria and Indicators;
- There are 8 principles, 7 of which are similar to FRA 2005 thematic areas;
- Only one principle is unique to South Africa, i.e. advancement of previously disadvantage communities;
- There are 72 variables with 139 measures.
- 54 of the variables are similar to FRA;
- It was possible to package all the different variables under the respective 6 thematic area

Extent of natural and woodlands forest by forest type

Complementary national variables

Forest Type	000 hectares			%
	1990	1995	2000	
Forest	5 13	524	534	0.02
Woodlands	31 609	30 456	29 302	-0.04
Plantations	1 200	1 333	1 350	0.04

Temporal changes in extent of forests



Temporal changes in plantation and woodlands area from 1986 to 2000

2: FOREST ECOSYSTEM HEALTH AND VITALITY

Complementary national variables

National	
1. Condition of natural/woodlands forest canopy	
2. Population structure of target species	
3. Extent and connectivity of natural ecosystems	
4. Rehabilitation of degraded forest	
5. Impacts of pests and diseases	
6. Negative impacts of fire	
7. Infestation by alien invader plants	
Regional	
1. Percentage of forest ecosystem with or without regeneration	
2. Trends in yields of forests and agricultural produce	
3. Percentage of forest area encroached by human activities	
4. Percentage of forest ecosystem with or without regeneration	
5. Percentage of the population employed in crop and livestock farming	

Infestation by alien invader plants

Infestation area and stand densities of alien plant invader species

Province	Total area in 000 ha	Area infested in 000 ha	
		1986/87	2000
Western Cape	12 931	373	3 727
Eastern Cape	16 986	7	671
KZN	9 212	24	922
Mpumalanga	7 957	23	1 277
Limpopo	12 214	8	1 178
Free State	12 993		166308
Gauteng	1 651		22
Northern Cape	36 198		405
North West	11 601		1 702

Real cost per hectare of controlling invading plants (2000 base year)

Provinces	Cost per ha in US \$		% Change over 14 years
	1986	2000	
Western Cape	0.9	102.3	0.99
Eastern Cape	10.3	142.3	0.93
KZN	11.3	109.8	0.90
Mpumalanga	6.2	49.5	0.88
Limpopo	3.5	59.0	0.94

3. Biological diversity

Relevant Variables

National
1. Implementation of forest protection plans
2. State of forest protection
3. Extent of forest type occurring in protection areas
4. Presence of specific organism as bio monitoring indicators
5. Status of forest dwelling species at risk of not maintaining viable breeding population
Regional
1. Conservation area outside protected areas
2. Areas lost annually of forest ecosystem containing endemic species
3. Resource exploitation system
4. Average number of provenance
5. Population level of key species across their range
6. Degree of management of genetic resources

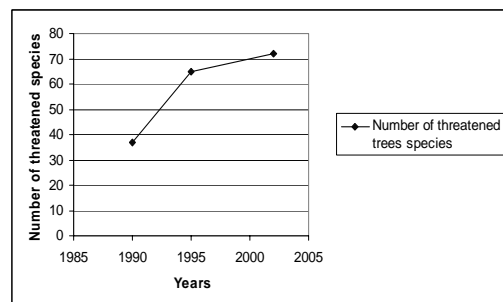
Change in status of taxa in Each Red Data List in South Africa

	1980	1995	2002
Extinct	39	56	15
Endangered	104	241	77
Vulnerable	165	422	322
Rare	521	1322	92
Indeterminate	259	378	334
Insufficiently known	805	849	108
Total	1893	3268	948

Number of plant species for which national recovery plan is required

Category	1990	1995	2000 ¹	% Change
Number of threatened plants	2215	3268	3973	44%
Number of threatened tree species	37	65	72	49%

Temporal changes in variables



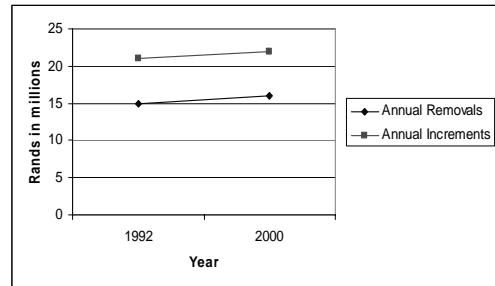
Temporal changes in the number of threatened tree species from 1990 -2002

4. Productive functions

Relevant Variables

National variables	
1.	Standing stock assessment
2.	Level/rate of resources use
3.	Levels of multiple resources use from forest ecosystems
4.	Identification and developments of new alternative forests resources
Regional indicators	
1.	Degree of management of genetic resources
2.	Periodic balance between growth and removals of wood products
3.	Average annual consumption of wood for energy per capita
4.	Managed and sustainable extraction of non-wood forest products

Level/rate of resource use



Ratio of annual removals to annual increment of plantations

5. Protective functions

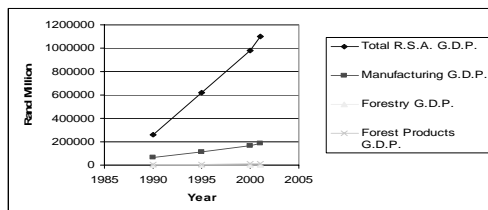
Relevant variables

National	
1.	Water quality
2.	Soil conservation
3.	Riparian zone and wetland management activities
4.	Pollution levels
Regional	
1.	Area and % of forests and other wooded areas managed mainly for the production of water, protection of watershed, riverine zones and for flood control
2.	Change in water yield and quality
3.	Areas of forests and other lands managed for scenic and amenity purpose

6. Social and Economic functions

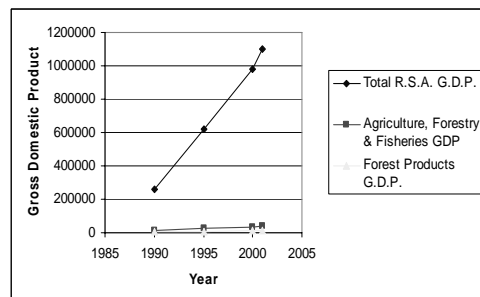
National	
1.	Forestry's contribution to local development
2.	Diversification within the forest industry
3.	Staff turnover in forest based businesses
4.	Opportunities for forest based activities
5.	Rights are understood and respected
6.	Control and enforcement of access and use
7.	Security of land tenure
8.	Level of satisfaction among users
9.	Identification and registration of significant sites
10.	Employment opportunities associated with forestry
11.	Employer compliance with labour legislation
12.	Remuneration of workers
13.	Negative impacts of forestry activities on people
14.	Conflict over distribution of costs
15.	Incidence of crime
16.	Absenteeism

Temporal Changes in Variables



Temporal changes in the GDP of South Africa, forestry, manufacturing, agriculture, forestry and fisheries

Temporal Changes cont.



Temporal changes in agriculture and forest and forest product GDP

Summary Conclusion

- Forest cover change is stable;
- OWL/Woodlands declining;
- Sector makes an important contribution to the economy and livelihoods of people;
- Criteria and Indicator system useful as a framework to:
 1. Support data collection process,
 2. Monitor progress towards SFM,
 3. Identify information gaps;
 4. Identify and priorities research needs;
 5. Review Forest Policy; and
 6. Align reporting requirements and reduce national reporting burdens.

Annex 13: Presentations in Seventh Plenary Session

Annex 13.1 Regional Office Africa: Mr. P. Lowe

Annex 13.2 Regional Office Asia and Pacific: Mr. M. Kashio

Annex 13.3 UNECE, Timber Committee: Mr. A. Korotkov

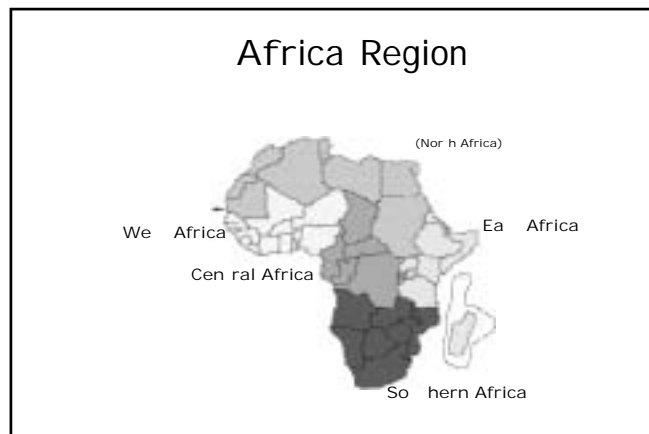
Annex 13.4 Regional Office Latin America and Caribbean: Mr. Mengarelli

Annex 13.5 Regional Office North East: Mr. H. A. Nour

Annex 13.1 Regional Office Africa: Mr. P. Lowe

FAO REGIONAL OFFICE
FOR AFRICA

Accra, Ghana



Forestry Group (RAFO)

Peter Lowe	Forestry Planning Officer
Pape Djiby Koné	Senior Forestry Officer
Fernando Salinas	National Forest Programmes Advisor
Ada NdesoAtanga	National Forest Programmes Facility
Michel Laverdière	Forestry Conservation Officer (Sub-reg. Office)
Atse Yapi	IUFRO
Catherine & Aimee	- Group Secretaries

RAFO - Mandate

- Frontline contact with member countries and Sub-regional Organisations
- Local knowledge ...reality check
- Field Programme Development & Implementation
- African priorities
- African Forestry & Wildlife Commission

African Forest Priorities

- Deforestation & Forest Degradation
- Effects of Demographics
- Food Security & Poverty Alleviation
- Wood fuel
- Forests & Water
- Biodiversity & Wildlife

Some Key FAO Responses

- Forestry Outlook Study for Africa
- National Forest Programme Facility
- Support to NEPAD
- Support to COMIFAC
- Collaboration with SREOs
- Coordination of Forest Research (FORNESSA)

Implications for FRA

Table (1) - Extent

- Dry-zone and LFCC - most "forest" is marginal woodland
- Land use is not generally formalised
- Much forest is fragmented

Table (2) - Ownership

- Traditional and community Ownership

Implications for FRA

Table (3) - Designation

Outside formal reserves, most forest has no declared management objective

Table (5) - Growing stock

- Usually based on area extent x factor

Implications for FRA

Table (6) - Disturbances

- Fire - natural or detrimental
- Monitoring & assessment

Table (11) - Wood supply

- Formal economy & admin. reporting
- Good governance
- Informal sector

Implications for FRA

Table (13) - NWFPs

- Informal economy & subsistence use
- Forest-derived foods & food security

Table (16) - Employment

- Informal/self-employment
- Key to poverty alleviation

Annex 13.2 Regional Office Asia and Pacific: Mr. M. Kashio

Introduction to the
Forestry Development Group
FAO Regional Office for
Asia and the Pacific

Forest Resource and Management Status in the Region

M. Kashio
Forest Resources Officer
FAO Regional Office for Asia and the Pacific

Basic statistics in Asia-Pacific

- *38 member countries, 3,005 million ha, accounting for 23% of the world's land area*
- *Total forest = 699 million ha, covering 23 % of the total land area*
- *Asia-Pacific forests = 18% of global total*
- *1990-2000 regional total declined 10.5 million ha (1%) (Net change: -8 mil. ha)*

Contributors to degradation and deforestation

Advance of agricultural frontiers

Pastoral agriculture

Cropping

Shifting cultivation

Urbanization

Industrial forestry

Forest fires (deliberate and accidental)

Contributing to sustainable forest management

Forest management plans

Model forests

Criteria and indicators

NFP

Reduced impact logging, Codes of Practice

Promotion of protected area management

(TigerPaper, RAPO Conservation strategy, Asian elephant programmes)

Perspectives and Approaches

SFM requires following perspectives and approaches

Increasing environmental priorities

Review on functions and responsibilities of forestry institutions (major institutional restructurings)

Decentralized forest management

Participatory approach

Rural development

Requirements for new & different skills

Annex 13.3 UNECE, Timber Committee: Mr. A. Korotkov

Global Forest Resources Assessment

*Linking FAO Regional
Forestry Offices with FRA*

European Forestry Region

by

Alexander V. Korotkov

UNECE Timber Branch, Geneva

Presentation outline

- ✓ Background
- ✓ Structure, methods of work, partnerships
- ✓ Overview of UNECE & FAO Timber Branch
- ✓ Programme of work & activities (work areas)
- ✓ Current priority issues
- ✓ Main activities and accomplishments
- ✓ Strategic review of IWP; TC & EFC session

Background

- UNECE Timber Committee was founded in 1947/8, simultaneously with FAO European Forestry Commission
- Partnership with FAO: joint programme, joint subsidiary bodies, joint secretariat and publications
- ECE/FAO team in Geneva (8 people)

Programme formulation

- Programme review (every 4 years): wide stakeholder participation, priority setting
- Implementation monitored by TC and EFC bureaux (annual)
- Sessions: annual (TC, FAO/UNECE Statistics Working Party), bi-annual (EFC, Joint FAO/ECE/ILO Committee)
- Activities “fitted” into both UN and FAO formats

Integrated programme of work

- Geneva secretariat reports to both UNECE Timber Committee and FAO European Forestry Commission
- Joint programme, subsidiary bodies, publications and staff
- In-depth programme review: 2001, 2004 ...
- Involvement of governmental experts at every stage of programme of work

Timber Branch Resources

- 4 professionals, of which 1 FAO
- 4½ support staff, of which 1½ FAO
- Interns, loaned professionals
- Countries support, Trust Funds

Partnerships

- **FAO (*Rome and Budapest*):** integrated programme, secretariat, publications, etc.
- **ILO:** Joint FAO/ECE/ILO Committee
- **Ministerial Conference for the Protection of Forests in Europe:** support to policy dialogue at the regional level
- **Other intergovernmental:** EU, EEA, Eurostat, UNEP ...
- **Stakeholders:** WWF, IUCN, WB, CSD, ind. associations, forest owners, researchers

Methods of work

- **Information collection, validation and improvement** (indicators, monitoring, harmonisation of terms, etc.)
- **Secretariat analysis** (trade and markets, long term outlook)
- **Seminars and workshops, Policy forum**
- **Mobilisation of international expert community** through teams (*e.g. regional FRA ToS*), networks, national correspondents

Geneva secretariat: scope of work

- **Europe, North America, CIS countries**
- **Statistics, analysis, policy forum**
- **Forest products:** roundwood, sawnwood, panels, secondary products, NWFPs, etc
- **Removals, production, consumption, trade, prices**
- **Regional FRA work, Forest fires**
- **Seminars, workshops, publications...**

Main outputs

- **Publications** (*Timber Bulletin, Geneva Discussion Papers and Study Papers*)
- **Forest Products Annual Market Analysis, FRA-based studies**
- **Seminars and workshops**
- **Statistics, including harmonisation of terms and definitions**
- **Policy discussions**

Five work areas

1. **Markets and statistics**
2. **Forest resource assessment**
3. **European forest sector outlook studies**
4. **Technology, management & training**
5. **Policy and cross-sectoral issues**

Forest Resources Assessment

- **Collection, validation and reporting of data on forest resources in the UNECE region**
- **Special studies on forest resources**
- **Contribution to the Global FRA Programme**
- **Methodology development, including T&D**
- **Improvement and reporting on criteria & indicators for SFM for the Ministerial Conference for Protection of Forests in Europe**
- **Forestry country profiles for central and eastern European countries**

MCPFE and FRA inputs

- **Evaluation / Improvements of indicators for SFM (workshops)**

- *Relevancy & availability*
- *Visibility & cost-effectiveness*
- *Technical feasibility*
- *Reliability ...*

- **Protection categories (IUCN – MCPFE classifications)**

- **“State of Europe’s Forests 2003”**

Special studies */

- **Forestry Country Profiles:**

- Russia - 2001
- Georgia - 2002
- Ukraine – 2003
- Bulgaria, Serbia & Montenegro - 2004
- focus on CEEC ...

- **FRA special studies:**

- Biodiversity analysis
- Carbon flow analysis
- Endangered species analysis

**/ availability of resources...*

Contribution to Outlook Studies

- **Data for the baseline study (FRA national correspondents, NCs & FRA ToS’s role)**
- **Analysis of Long-term Historical Changes in European Forest Resources**

*Special thanks to countries,
NFIs & FRA NC’s for support !!!*

Outlook Studies: synergies



Current priority issues

- **Monitoring changes in forest sector policies and institutions**
- **Cooperation in programme of MCPFE, follow up to Vienna Conference 2003**
- **Countries in transition**
- **Trade and environment**

Strategic Review 2003/4

- **Covers all aspects of UNECE/FAO integrated programme: objectives, vision, priorities, structures, methods, resources**
- **Input invited from partners and stakeholders (transparency)**
- **Proposal to be tabled by ECE and FAO secretariats**
- **Bureaux meeting spring 2004**
- **Results approved at joint TC&EFC session, September 2004; Valid 4 years**

Joint session ECE TC and FAO EFC

- **Date/ place: Geneva, 27 Sept. – 01 Oct. 2004**
- **Agenda: currently being formulated,**

Including:

- **European Forestry Commission matters**
- **Timber Committee matters**

***Regional issues to be identified
for the COFO attention***

**FOREST RESOURCES
ASSESSMENT**

**LATIN AMERICA
AND THE CARIBBEAN**

Information is a
priority to the Region

The 22th session of the Latin American and Caribbean Forestry Commission recommended FAO to promote a regional information system on forest resources, by identifying information requirements and harmonizing methodologies.

Recommendations of technical panel:
regional participation in future global
Forest Resources Assessments

Promote the development of participatory integrated methodologies
Promote the development of forest assessments for shared or transboundary ecosystems, such as the Amazon, the Mesoamerican Biological Corridor, the Pacific Biological Corridor, the Caribbean Islands and the Chaqueño Forest Subregion.

Recommendations of technical panel:
regional participation in future global
Forest Resources Assessments

Exchange technical and methodology information between countries of the Region.
Include the requirements of technical information of other relevant conventions in the global assessments.
Develop regional protocols for the evaluation and validation of general information.

LACFC

The Latin American and Caribbean Forestry Commission should be used as a natural environment for cooperation and channel of communication for FRA purposes. FRA should consider strengthening of the Commissions.

RLCO

Forestry Group of Regional Office counts with four professionals supporting each Vice president of the Commission: Southern cone; Amazon region; Central America and Mexico; the Caribbean.

CONCERNS

- To share information among the several stake holders.
- To harmonize information systems.
- To agree on standard information for sharing among national stake holders and between institutions of different countries.

CONCERNS

- To decentralize support to countries of each region and sub region.
- To promote use of information by policy maker.
- Support to training is a requirement to be pursued.



RNE

- All Low Forest Cover Countries (Less than 10% forest/tree cover)
- Only 11 countries with more than one million ha of forests
- Majority Desert, Arid or Semi arid
- With some Area of Humid Zone or High Rainfall Savannah
- With Trees Outside Forests
- With Non-Wood Forest Products

Photographs of the following
"not in this PDF file"

Humid Zone Forests-Jordan
Temperate Forests-Kazakhstan
Savannah-Mixed Landuse-Sudan
Sand Dune Fixation-Iran
Agroforestry-Sudan

Agroforestry-Yemen

Urban Forests and Trees-Tehran
Shelterbelts-Toshka Egypt
NWFP-Pistachia-Iran
Rangelands-Kazakhstan
Invasive species (Prosopis)- Yemen

Annex 14: Guidance for Group Work 2 and Group Work 3

Annex 14.1 Guidance Group Work 2 and Group Work 3: Mr. P. Holmgren

Group work 2

Tasks, Group work 2

- Review step 2 (Thematic Reporting) with regard its relevance and constraints
- Examine existing/potential linkages between FRA and C&I.
- Examine feasibility for thematic reporting.
- Examine reasons why countries may not opt for thematic reporting.

Outputs, Group work 2

- For each theme, need of more national variables in addition to global variables
- Role of FRA process to facilitate national thematic reporting
- How linkages between FRA and Criteria and Indicator processes can be further developed.

Group work 3

Tasks, Group work 3

- Discuss how the process to report to FRA 2005 including time plan
- Discuss how regional offices can coordinate and facilitate the process of country reporting including regional workshop etc.
- Discuss what resource, capacities and mechanism are needed by each country to provide data to FRA 2005 during the year 2004.
- Examine needs, if any, to modify or expand the current contents of their National Forest Assessments in relation to long term needs of FRA and forest related international processes.

Outputs, Group work 3

- Main activities and national work plans of action (including capacity building) needed for providing country information to FRA 2005 during 2004
- Activities and a regional work plan of action for providing country information to FRA 2005
- Role of regional offices in coordination and facilitation of submission of country information to FRA 2005 including organization of regional workshops.

Annex 15: Annotated Provisional Agenda of the meeting



International Tropical Timber Organization

National Correspondents Training

Global Forest Resource Assessment, FAO

Rome, Italy, 17-21 November 2003

PROVISIONAL ANNOTATED AGENDA

Monday, November 17, 2003		
Time	Agenda Item	Agenda Notes
07:30-08:45		Registration of Participants The registration of participants will be in Turkish Room near the main entrance to FAO Building
09:00-10:15	Item 1	Opening Session
09:00-09:15		Moderator: Mr El Hadji Sène, Director Forest Resources Division Mr M. Hosny El-Lakany, Assistant Director General, Forestry Department will open the meeting of FRA National Correspondents. Divisional Directors inform about FRA related activities in their divisions.
09:15-09:25		Co-Sponsor Words Steve Johnson, ITTO will address the participants and inform them about ITTO led Criteria and Indicator process and other FRA related activities at ITTO.
09:25-10:05		Review of FRA Process and Information on Meeting Process Peter Holmgren, Chief FORM, will brief the participants on this agenda item that deals with review of past and proposed concept of FRA and the meeting process. FRA FAO continues to give high priority to FRA programme including the involvement of key partners (countries and institutions) in the process. (contd.)

Monday, November 17, 2003 (continued)		
Time	Agenda Item	Agenda Notes
		<p>Last international expert consultation (“Kotka IV”) in July 2002 recommended to enhance the role of countries and to link FRA framework with that of Criteria & Indicator processes. These were confirmed by all the nine regional/international C&I processes at the international conference on C&I in February 2003. These set of recommendations both from Kotka IV and C&I, were endorsed by Committee on Forestry (COFO) in March 2003, where countries formally asked FAO to develop a broadened update of FRA for 2005 along these lines. This endorsement from COFO 2003 included establishment of an Advisory Group to global FRA process that is continuously elaborating the global contents of FRA between key stakeholders. Its advice has strongly influenced the assessment process as well as the contents of FRA 2005. The FRA 2005 has also benefited from the outcomes of the two meeting on harmonizing forest-related definitions organized by FAO and partners (CIFOR, IPCC, IUFRO, UNEP, WMO).</p> <p>Meeting Process</p> <p>The meeting process is composed of following five steps</p> <ol style="list-style-type: none"> 1. Introduction to FRA concept and process of country reporting. 2. Introduction to global reporting tables. 3. Transformation of National data for global FRA reporting (group work 1). 4. Introduction to Thematic Reporting for global FRA and linkages with C&I processes (group work 2). 5. Development of national and regional work plans through group work 3 for providing information to FRA 2005. <p>The meeting plans to have above three group works. The composition of group work 1 is to provide a cross-regional environment to the participants so that they can appreciate global variation in views, perceptions, capacities, and needs at national level for global FRA. The second will be organized in line with the nine C&I processes. The third one will follow memberships of the FAO regional forest commissions.</p> <p>Suggestions by countries will be welcome in all the steps and will help in finalizing the basic three documents (Guidelines For Country Reporting (FRA Working Paper 71a, National Reporting Tables for Country Reporting (FRA Working Paper 71b), Terms and Definitions (FRA Working Paper 73).</p>
10:05-10:15		<p>Closing Remarks</p> <p>The first plenary opening session will officially close and technical sessions will start after tea/coffee break.</p>
10:15-10:45	Tea- Coffee Break	
10:45-11:00	Item 2	<p>Logistical Details (Red Room)</p> <p>Hivy Ortiz Chour will provide information to the participants about meeting rooms, bank, post office, person to contact for hotel and travel reservations, reimbursement and payments etc.</p>

Monday, November 17, 2003 (continued)		
Time	Agenda Item	Agenda Notes
11:00-11:30	Item 3	<p>National Views and Expectation (Red Room)</p> <p>Countries may like to inform participants their views and expectation from the one week training of National Correspondents.</p> <p>Germany Friedrich Schmitz</p> <p>Uganda Paul Drichi</p>
11:30-16:30	Item 4	<p>Technical Session-Introduction to Reporting Tables (Red Room)</p> <p>This session will introduce all the sixteen National Reporting Tables (FRA Working Paper 71b) to the participants focusing on the rationale, global variables and contents for country reporting to FRA 2005. Examples from pilot studies will be presented. A short plenary discussion will be held after each presentation.</p>
11:30-12:30		<p>National Reporting Tables 1 to 4</p> <p>Peter Holmgren will introduce following four tables to the participants that deal with the following.</p> <p>T1: Extent of Forests and Other Wooded Lands T2: Ownership of Forests and Other Wooded Lands T3: Designation of Forests and Other Wooded Lands T4: Characteristics of Forests and Other Wooded Lands</p>
14:00-14:30		<p>National Reporting Tables 5 to 7</p> <p>Kailash Govil will introduce following three tables to the participants that deal with the following.</p> <p>T5. Growing Stock of Forests T6. Biomass Stock of Forests T7. Carbon Stock in Forests</p>
14:30-15:00		<p>National Reporting Tables 8 to 10</p> <p>Orjan Jonsson will introduce following three tables to the participants that deal with the following.</p> <p>T8. Disturbances affecting Health and Vitality of Forests and Other Wooded Lands T9. Forest Tree Species 10. Forest Composition</p>
15:00-15:30		<p>National Reporting Tables 11 to 14</p> <p>Sebueng Kelatwang will introduce following four tables to the participants that deal with the following.</p> <p>T11. Primary Wood Supply T12. Value of Wood Supply T13. Non Wood Forest Products (NWFP) Supply T14. Value of Non Wood Forest Products (NWFP) Supply</p>
15:30 -15:45	Tea Coffee Break	

Monday, November 17, 2003 (continued)		
Time	Agenda Item	Agenda Notes
16:00-16:30		National Reporting Tables 15 to 16: (Red Room) Monica Garzuglia will introduce following two tables to the participants that deal with the following. T15. Sites for Social Functions in Forests and Other Wooded lands T16. Employment in Forest and Other Wooded lands
Tuesday, 18 November 2003		
09:00-9:10	Item 5:	Review and Reflection on the Introduction to Reporting tables (Red Room) A summary of activities, issues and concerns of the first day of the meeting will be presented along with briefing on activities planned for the day. Any question in this respect will be taken and answer or clarification will be provided.
09:10-09:30	Item 6	Format and Process – National Reporting Tables (Red Room) Peter Holmgren will present and explain the following eight step format of reporting that is common to all the sixteen reporting tables. A. Global Classification and Definitions (FRA 2005) B. National Data Sources C. National Classification and Definitions D. National Data E. Calibration F. Estimation and Forecasting G. Reclassification into FRA 2005 Classes H. National Information for FRA 2005 Global Tables
09:30-09:45	Item 7	Group guidance for Group Work 1 (GW 1) on Reporting Tables (Red Room) Hivy Ortiz Chour will provide information to the participants on the following a. Names of the member of each group b. Rooms in which each group will work c. Names of resource persons cum secretaries for each working groups d. Place where supporting services (copying etc are available)
09:45-10:15	Item 8	Terms of Reference for GW 1 on National Reporting Tables (Red Room) Alex Korotkov will inform about the Terms of Reference for Group Work 1 st covering what is the purpose, expectation and outputs from the 1 st group work.
10:15-10:30	Tea – Coffee Break	
10:45-17:30	Item 9	Round table GW1 (Various rooms assigned) Participants will work in the assigned groups. Secretaries to the group will ensure that all the assigned items in TOR are covered and outputs provided by each group.
12:30-13:45	Lunch Break	
14:00-15:30	Item 9 (contd)	Round table GW1 (Various assigned rooms)
15:30-15:45	Tea – Coffee Break	
16:00-17:30	Item 9 (contd)	Round table GW1 (Various assigned rooms)

Wednesday, 19 November 2003		
09:00-10:15	Item 10	Presentation of Group Work 1 A synthesis of all the outputs from all the group will be presented to all the participants.
10:15-10:30	Tea – Coffee Break	
10:45-12:30	Item 11	Introduction to Complementary Activities Participants will be introduced on activities complimentary to FRA including Information Framework , National Forest Assessment and activities of other processes and institutions with which FRA has a link (NFP, Criteria and Indicator Processes and INBAR)
10:45-11:00		Information Framework Anne Branthomme will make a brief presentation of Independent Remote Sensing assessment of forest cover at the intersection of each longitude and latitude through “Information Framework” developed in collaboration with UNEP, GOFC GOLD.
11:00-11:15		National Forest Assessment Mohamed Saket will present FRA “Support to National Forest Assessments”. This will include methodological approach as well as information on pilot studies under implementation.
11:15-11:30		Links between FRA and NFP Eduarado Mansur will present Links between FAO activity under umbrella of NFP and their links with FRA.
11:30-11:45		Links between FRA and MCPFE Roman Michalak will present the Pan European process on Criteria and Indicators under the umbrella of Ministerial Conference on the Protection of Forest in Europe (MCPFE) and will highlight its links with FRA.
11:45-12:00		Links between FRA and Montreal Brad Smith will present the Montreal Process on Criteria and Indicators and its linkage with FRA.
12:00-12:15		Links between FRA and ITTO process Steve Johnson will present the International Tropical Timber Organisation (ITTO) lead Criteria and Indicator Process for and its linkages with the FRA.
12:15-12:30		Links between FRA and INBAR Maxim Lobovikov will present a brief view of activities at INBAR in collaboration with IFAD and their linkages with FRA.
12:30-13:45	Lunch Break	
14:00-14:30	Item 12	Introduction to Thematic Reporting Kailash Govil will introduce the thematic reporting under FRA 2005 that links FRA to common thematic areas of the nine regional Criteria and Indicator processes.

Wednesday, November 19, 2003 (continued)		
Time	Agenda Item	Agenda Notes
14:30-15:00	Item 13	Presentation of the Pilot studies FRA has developed pilot studies for thematic reporting under FRA 2005. Two such studies (India and South Africa) will be presented to the participants to explain the objective, process and contents.
14:30-14:45		Presentation of Pilot study on India Jagdish Kumar Rawat will present the pilot study on India covering its scope, coverage, extent and methodology (FRA Working Paper 78).
14:45-15:00		Presentation of Pilot study on South Africa Sebueng Kelatwang will present the pilot study on South Africa covering its scope, coverage, extent and methodology (FRA Working Paper 75).
15:00-15:15	Item 14	Collaborative Partnerships on Forests (CPF) and its Links with FRA Susan Braatz will present the activities under the umbrella of CPF and their linkage with FRA
15:30-15:45	Tea/Coffee Break	
16:00-16:30	Item 15	Linking FAO Regional Forestry Offices with FRA COFO mandated involvement of Regional Forestry Commissions with FRA. The session intends to introduce regional offices/officers for the purpose of coordination and development of regional and national work plans for submission of information to FRA by countries.
16:00-16:05		Africa Forestry Region
16:05-16:10		Asia-Pacific Forestry Region
16:10-16:15		European Forestry Region
16:15-16:20		Latin American and Caribbean Forestry Region
16:20-16:25		Near East Forestry Region
16:25-16:30		North America Forestry Region
16:45-17:15	Item 16	Group Formation and TOR- Group Work 2 (GW2) Thematic Reporting and its linkages with Criteria & Indicators Processes Peter Holmgren will provide guidance on group formation and Terms of reference for the second group work that relates to thematic reporting under FRA.
17:15-17:30	Item 17	Group Formation and TOR – Group Work 3 (GW3) Development of Regional and National Work Plans for reporting to FRA Peter Holmgren will provide guidance on group formation and Terms of reference for the third second group work that relates to development of regional and national work plans

Thursday, November 20, 2003		
Time	Agenda Item	Agenda Notes
09:00-09:10	Item 18	Additional Guidance for GW 2 and GW3 (Red Room) Hivy Ortiz Chour will provide additional guidance, if required, for group works.
09:10-12:30	Item 19	Group Work 2 Thematic Reporting and its linkages with Criteria & Indicators Processes Assignment of participants to groups is according to membership of their countries to various Criteria and Indicator Processes.
09:10-10:15	Item 19	GW2 Participants work in the assigned group in their respective venues in accordance with the TOR for the group work.
10:15-10:30	Tea/Coffee Break	
10:45-12:30	Item 19 Contd.	GW2 - (continued) Participants continue to work in the assigned group in their respective venues in accordance with the TOR for the group work.
12:30-13:45	Lunch Break	
14:00-17:30	Item 20	Group Work 3 Development of Regional and National Work Plans for reporting to FRA Assignment of participants to groups is according to membership of their countries to FAO Forestry Regional Commissions.
14:00-15:30	Item 20	GW3 Participants work in the assigned group in their respective venues for developing regional and national work plans to provide information to FRA.
15:30-15:45	Tea/Coffee Break	
16:00-17:30	Item 19 Contd.	GW3 - (continued) Participants continue to work in the assigned group in their respective venues for developing regional and national work plans to provide information to FRA.
Friday , November 21, 2003		
09:00-09:45	Item 21	Presentations of Group Work 2 and Group Work 3 to Plenary Session Findings from group works 2 and 3 will be presented to all the participants in the plenary session.
09:00-09:15	Item 21	Presentation of Group Work 2
09:15-09:30	Item 21 Contd.	Presentation of Group Work 3
09:45-10:15	Item 22	Concluding Discussion Final and concluding discussions on each of the three group works and related activities will take place in the plenary session.
	Item 22	Concluding Discussion Reporting on Sixteen National Reporting Tables Final and concluding discussion on the reporting on sixteen national reporting tables will take place in the plenary session.

Friday, November 21, 2003 (continued)		
Time	Agenda Item	Agenda Notes
10:45-11:15	Item 22 Contd.	Concluding Discussion Thematic Reporting and linkages with Criteria & Indicators Processes Final and concluding discussion on the thematic reporting will take place in the plenary session.
11:15-11:45	Item 22 Contd.	Concluding Discussion Development of Regional and National Work Plans for reporting to FRA Final and concluding discussion on the development of regional and national; work plan for country reporting to FRA will take place in the plenary session.
11:45-12:30	Item 23	Concluding Remarks The NC training will be formally closed with concluding remarks.