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Annex 2: List of participants in working groups for Group Work 1



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National Correspondents Training Formation de correspondants nationaux Capacitación de corresponsales nacionales
Global Forest Resources Assessment, FAO Evaluation des ressources forestières mondiales, FAO
Rome, Italy, 17-21 November 2003 Rome, Italie, 17-21 Novembre 2003 Roma, Italia 17-21 de noviembre 2003
Groups composition Composition des groupes Composición de grupos

**GROUP WORK NUMBER ONE
GROUPE DE TRAVAIL NUMÉRO UN
GRUPO DE TRABAJO NÚMERO UNO**

GROUP WORK NUMBER 1
Tuesday 18TH November

Chair person:

Secretariat: Peter Holmgren

Room number: Canada room B 224

Language: English

Working group number one

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2.	ALBANIA	Mr. S. Karadumi
3.	AUSTRALIA	Ms. M. Wood
4.	BRAZIL	Mr. Tasso Rezende de Azevedo
5.	CYPRUS	Mr. Charalampos Alexandrou
6.	DOMINICA	Mr E. Hypolite
7.	FINLAND	Mr. E. Tomppo
8.	GERMANY	Mr. F. Schmitz
9.	ISLAMIC REPUBLIC OF IRAN	Mr. S. Shariatnejad
10.	LATVIA	Mr. N. Struve
11.	NIGERIA	Ms. Gloria Ujor
12.	SAUDI ARABIA	Mr Khalid Bin Nasser Al Mousa
13.	SYRIA	Mr Ali Daoud
14.	THAILAND	Mr. Jirawan Charupatt
15.	UGANDA	Mr. Paul Drichi
16.	ZAMBIA	Mr Deviness Tombo

GROUP WORK NUMBER 1
Tuesday 18TH November

Chair person:
Secretariat: Kailash Govil
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Language: English

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4.	FAO REGIONAL FORESTRY OFFICER	Mr. M. Kashio
5.	INBAR	Mr M. Lobovikov
6.	INDIA	Mr. J.K. Rawat
7.	KENYA	Mr. N.J. Kathendu
8.	LAO, PDR	Mr. Thongpath LuengKhamma
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10.	MYANMAR	Mr. San Lwin
11.	NEW ZEALAND	Mr. P. Lane
12.	SEYCHELLES	Mr. Basile Esther
13.	ST. KITTS-NEVIS	Ms. Ilis Watts
14.	SUDAN	M Sala Yousif Mohammed
15.	TAJISKISTAN	Mr.Khukmatullo Akhmadov
16.	TURKEY	Mr. Fikri Tasci
17.	UNITED KINGDOM	Mr. S. Gillam
18.	UNITED STATES OF AMERICA	Mr. B. Smith

GROUP WORK NUMBER 1
Tuesday 18TH November

Chairperson:
Secretariat: S. Kelatwang
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Language: English

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3.	CHILE	Mr. Carlos Bahamondez
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17.	SWAZILAND	Mr. S. T. Gamedze
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Tuesday 18TH November

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Tuesday 18TH November

Secretariat: Federica Urbani and Mr. A. Korotkov
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GRUPO DE TRABAJO 1
Martes 18 noviembre

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17.	VENEZUELA	Mr. Catalan
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19.	VENEZUELA	Mr. R Silva

GROUPE DE TRAVAIL NUMÉRO UN
Mardi 18 novembre

Secrétariat

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Annex 3: List of participants in working groups for Group Work 2



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Global Forest Resources Assessment, FAO Evaluation des ressources forestières mondiales, FAO
Rome, Italy, 17-21 November 2003 Rome, Italie, 17-21 Novembre 2003 Roma Italia 17-21 noviembre 2003
Groups composition Composition des groupes Composición de grupos

GROUP WORK NUMBER TWO THEMATIC REPORT

GROUPE DE TRAVAIL NUMÉRO DEUX RAPPORT THÉMATIQUE

GRUPO DE TRABAJO NÚMERO DOS INFORME POR TEMA

GROUP WORK NUMBER TWO

Thematic report

Thursday 20 November

Chair person:

Secretariat: Alberto De Lungo

Room number: Canada room B 324

Language: English

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4.	ITTO	Mr. S. Johnson
5.	MALAYSIA	Mr. Thai See Kiam
6.	PAPUA NEW GUINEA	Mr. Vitus Ambia
7.	PHILIPPINES	Mr. N. Bambalan
8.	TOGO	Mr. Koffi Sessi

GROUP WORK NUMBER TWO

Thematic report

Thursday 20 November

Chair person:

Secretariat: Sebueng Kelatwang

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Language: English/French

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21.	ZIMBABWE	Mr. Felix Tete

GROUP WORK NUMBER TWO

Thematic report

Thursday 20 November

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Secretariat: Alex Korotkov and Orjan Jonsson

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Language: English

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15.	ICELAND	Mr. A. Snorrason
16.	IRELAND	Mr. Karl Coggins
17.	ITALY	Mr. L. Marletta
18.	LATVIA	Mr. N. Struve
19.	LITHUANIA	Mr. A. Kuliesis
20.	LITHUANIA	Mr. S. Mozgeris
21.	NETHERLANDS	Mr. Jaap Paasman
22.	NORWAY	Mr. S. Tomter
23.	POLAND	Mr. R. Michalak
24.	SLOVAKIA	Mr. R. Longauer
25.	SLOVENIA	Mr. M. Hocevar
26.	SPAIN	Mr. R. V. Bombin
27.	SWEDEN	Mr. Magnus Fridh
28.	SWITZERLAND	Mr. P. Brassel
29.	TURKEY	Mr. Fikri Tasci
30.	UNITED KINGDOM	Mr. S. Gillam

GROUP WORK NUMBER TWO

Thematic report

Thursday 20 November

Chair person:

Secretariat: Federica Urbani

Room number: FRA meeting room C 354

Language: English/Spanish

Working groups Montreal Process

1.	AUSTRALIA	Ms. M. Wood
2.	CANADA	Mr. B. Haddon
3.	CHILE	Mr. Carlos Bahamondez
4.	CHILE	Ms. Verónica. Oyarzún
5.	KOREA, REP. OF	Mr. Kim Sung-Ho
6.	MEXICO	Mr. Alberto Sandoval
7.	NEW ZEALAND	Mr. P. Lane
8.	PARAGUAY (no member)	Ms. Damiana Mann
9.	RUSSIAN FEDERATION	Mr. A. Filipchuk
10.	UNITED STATES OF AMERICA	Mr. B. Smith
11.	URUGUAY	Mr. R. Echevarria

GROUP WORK NUMBER TWO
Thematic report
Thursday 20 November

Chair person:
Secretariat: Monica Garzuglia and Dan Altrell
Room number: Cuba room B 224
Language: English/Spanish

Working group Tarapoto Proposal

1.	BRAZIL	Mr. Sergio Ahrens.
2.	DOMINICA (no member)	Mr E. Hypolite
3.	GUYANA	Ms Anna Mohase
4.	JAMAICA (no member)	Ms. Evelyn Owen
5.	PERU	Mr. R. Malleux
6.	ST. KITTS-NEVIS(no member)	Ms. Ilis Watts
7.	St. VINCENT & THE GRENADINES (no member)	Mr Cornelius Richards
8.	SURINAME	Mr. René Somopawiro
9.	VENEZUELA	Mr. Renso Silva
10.	VENEZUELA	Ms. Olga Pérez

GROUP WORK NUMBER TWO
Thematic report
Thursday 20 November

Chair person:
Secretariat: Mohamed Saket
Room number: Mexico D 211
Language: English

Working group Near East process

1.	ALGERIA	Mr Ali Ghazi
2.	ARMENIA	Mr. A. Gouljanyan
3.	CYPRUS	Mr. Charalampos Alexandrou
4.	EGYPT	Mr. Hoda. S. Rashed
5.	IRAN, ISLAMIC REPUB.	Mr. S. Shariatnejad
6.	LEBANON	Mr. Fady Asmar
7.	PAKISTAN	Mr. Kanwar Muhammad Suleman
8.	SAUDI ARABIA	Mr. Khalid Bin Nasser Al Moussa
9.	SUDAN	Mr. S.Y. Mohamed
10.	SYRIAN ARAB REPUBLIC	Mr. Ali Daoud
11.	TUNISIA	Mr. Rafik Aini

GROUP WORK NUMBER TWO

Thematic report

Thursday 20 November

Chair person:

Secretariat: Hivy Ortiz Chour

Room number: Red room

Language: English/Spanish

Working group Lepaterique process

1.	BELIZE	Ms. Tanya Santos
2.	CUBA (no miembro)	Ms. I. de la Caridad Diago Urfé
3.	DOMINICAN REPUBLIC (no miembro)	Mr. J. Abel H. Batista
4.	EL SALVADOR	Ms. Lucia Alicia Gómez Vaquerano
5.	GUATEMALA	Mr. L. E. Barrera Garabito
6.	GUATEMALA	Mr. Rodrigo Rodas
7.	HONDURAS	Mr. O. Peralta
8.	NICARAGUA	Mr. J. Herrera Rivera
9.	PANAMA	Mr. R. Gutierrez

GROUP WORK NUMBER TWO
Thematic report
Thursday 20 November

Chair person:
Secretariat: Anne Branthomme
Room number: C 375
Language: English /French

Working group African Timber Organization

1.	BURUNDI	Mr. A. Bararwandika
2.	CAMEROON	Ms. Jeanne Ngono Balomog
3.	CENT. AFRICAN REPUBLICA	Mr. Ambroise Zanga
4.	CONGO	Mr. G. Nkéoua
5.	CONGO, DEM. REP. OF	Mr. G. Zasi Ngisako
6.	GUINÉE Repub. Of (Conakry)	M. Diramba Diawara
7.	MADAGASCAR (no member)	Mr. V. Randriaamampianina
8.	NIGERIA	Ms. Gloria Ujor
9.	TANZANIA, UNITED REP. OF	Mr. I. Y. Mngangwone

GROUP WORK NUMBER TWO
Thematic report
Thursday 20 November

Chair person:
Secretariat: Kailash Govil
Room number: C 378
Language: English

Working group Regional Initiative Dry Forest Asia

1.	BANGLADESH	Mr. S.M. Kamruzzaman
2.	BHUTAN	Mr. Dhan Bahadur Dhital
3.	INDIA	Mr. J.K. Rawat
4.	INBAR	Mr. M. Lobovikov
5.	LAO, PDR (no member)	Mr. Thongpath LuengKhamma
6.	MONGOLIA	Ms. Navaan-Yunden Oyndari
7.	MYANMAR	Mr. San Lwin
8.	NEPAL	Mr. Ananta Vijaya Parajuli
9.	SRI-LANKA	Mr. Anura Sathurunsinghe
10.	THAILAND	Mr. Jirawan Charuppat

FAO Regional Forestry officers are requested to choose a working group, or circulate in different groups.

Mr. H. Abdel-Nour
Mr. M. Kashio
Mr. Peter Lowe
Mr. Mario Mengarelli

Annex 4: List of participants in working groups for Group Work 3



International Tropical Timber Organization

National Correspondents Training Formation de correspondants nationaux Capacitación de corresponsales nacionales
Global Forest Resources Assessment, FAO Evaluation des ressources forestières mondiales, FAO
Rome, Italy, 17-21 November 2003 Rome, Italie, 17-21 Novembre 2003 Roma Italia 17-21 noviembre 2003
Groups composition Composition des groupes Composición de grupos

**GROUP WORK NUMBER THREE
REGIONAL FORESTRY COMMISSIONS**

**GROUPE DE TRAVAIL NUMÉRO TROIS
COMMISSIONS FORESTIÈRES RÉGIONALES**

**GRUPO DE TRABAJO NÚMERO TRES
COMISIONES FORESTALES REGIONALES**

GROUP WORK NUMBER THREE
Forestry Regional Commissions
Thursday 20 November

Chair person:

Secretariat: Alberto De Lungo and Sebueng Kelatwang

Room: Canada room B 324

Language: English

1.	ALGERIA	Mr Ali Ghazi
2.	BOTSWANA	Mr. M. Sekgopo
3.	GAMBIA	Mr. L. Bojang
4.	KENYA	Mr. N.J. Kathendu
5.	MALAWI	Mr. S. Kainja
6.	MAURITIUS	Mr. Seemadree Appanah Paupiah
7.	MOZAMBIQUE	Ms. Regina Cruz
8.	NAMIBIA	Ndapanda Kanime
9.	NIGER	M. Ibro Adamou
10.	NIGERIA	Ms. Gloria Ujor
11.	SIERRA LEONE	Mr. Sheku A. Mansaray
12.	SOUTH AFRICA	Mr. S. Mabena
13.	SUDAN	Mr. S.Y. Mohamed
14.	SWAZILAND	Mr. S. T. Gamedze
15.	TANZANIA, UNITED	Mr. I. Y. Mwangwone
16.	TOGO	Mr. Koffi Sessi
17.	UGANDA	Mr. P. Drichi
18.	ZAMBIA	Mr. Deviness Tombo
19.	ZIMBABWE	Mr. Felix Tete

GROUP WORK NUMBER THREE
Forestry Regional Commissions
Thursday 20 November

Chair person:

Secretariat: Anne Branthomme and Mr. Peter Lowe

Room number: Cuba room B 224

Language: French/English

1.	BURKINA FASO	Mr. S. Coulibaly
2.	BURUNDI	Mr. A. Bararwandika
3.	CAMEROON	Ms. Jeanne Ngono Balomog
4.	CENT. AFRICAN REPUBLIC	Mr. Ambroise Zanga
5.	CHAD	M. Bardoum Djekourbian
6.	CONGO	Mr. G. Nkéoua
7.	CONGO, DEM. REP. OF	Mr. G. Zasi Ngisako
8.	GUINÉE (Repub. Of Conakry)	M. Diramba Diawara
9.	MADAGASCAR	Mr. V. Randriaamampianina
10.	MALI	M. Moussa Barry
11.	MOROCCO	M. Zaki Ahlafi
12.	RWANDA	Mr. S. Murererehe
13.	SENEGAL	M. S. Gueye
14.	TUNISIA	Mr. Rafik Aini
15.	SEYCHELLES	Mr. Basile Esther
16.	DJIBOUTI, REPUB. OF	Mohamed Moussa Mohamed

GROUP WORK NUMBER THREE
Forestry Regional Commissions
Thursday 20 November

Chair person:
Secretariat: Kailash Govil and M. Kashio
Room number: India room A 337
Language: English

1.	AUSTRALIA	Ms. M. Wood
2.	BANGLADESH	Mr. S.M. Kamruzzaman
3.	BHUTAN	Mr. Dhan Bahadur Dhital
4.	CAMBODIA	Mr. Teang Sokkom
5.	INDIA	Mr. J.K. Rawat
6.	INDONESIA	Mr. Agus Mulyono
7.	ITTO	Mr. S. Johnson
8.	KOREA, REP. OF	Mr. Kim Sung-Ho
9.	LAO, PDR	Mr. Thongpath LuengKhamma
10.	MALAYSIA	Mr. Thai See Kiam
11.	MONGOLIA	Ms. Navaan-Yunden Oyndari
12.	MYANMAR	Mr. San Lwin
13.	NEPAL	Mr. Ananta Vijaya Parajuli
14.	NEW ZEALAND	Mr. Paul Lane
15.	PAKISTAN	Mr. Kanwar Muhammad Suleman
16.	PAPUA NEW GUINEA	Mr. Vitus Ambia
17.	PHILIPPINES	Mr. N. Bambalan
18.	SRI-LANKA	Mr. Anura Sathurunsinghe
19.	THAILAND	Mr. Jirawan Charupat

GROUP WORK NUMBER THREE
Forestry Regional Commissions
Thursday 20 November

Chair person:

Secretariat: Orjan Jonsson and Alex Korotkov

Room number: Philippines room C 277

Language: French/English

1.	ALBANIA	Mr. S. Karadumi
2.	AUSTRIA	Mr. J. Hangler
3.	BELGIUM	Mr. C. Laurent
4.	BULGARIA	Mr. Ilia Anguelov
5.	CROATIA	Mr. R. Ojurovic
6.	CYPRUS	Mr. Charalampos Alexandrou
7.	CZECH REPUBLIC	Mr. V. Henzlik
8.	ESTONIA	Mr. M Valgepea
9.	FINLAND	Mr. E. Tomppo
10.	FRANCE	M. Claude Vidal
11.	GERMANY	Mr. F. Schmitz
12.	HUNGARY	Mr. P. Csoka
13.	ICELAND	Mr. A. Snorrason
14.	IRELAND	Mr. Karl Coggins
15.	ITALY	Mr. L. Marletta
16.	LATVIA	Mr. N. Struve
17.	LITHUANIA	Mr. A. Kuliesis
18.	LITHUANIA	Mr. Mozgeris
19.	MOLDOVA	Mr. P. Stratulat
20.	NETHERLANDS	Mr. Jaap Paasman
21.	NORWAY	Mr. S. Tomter
22.	POLAND	Mr. R. Michalak
23.	RUSSIAN FEDERATION	Mr. A. Filipchuk
24.	SLOVAKIA	Mr. R. Longauer
25.	SLOVENIA	Mr. M. Hocevar
26.	SPAIN	Mr. R. V. Bombin
27.	SWEDEN	Mr. Magnus Fridh
28.	SWEDEN	Mr. Thomas Thuresson
29.	SWITZERLAND	Mr. P. Brassel
30.	TURKEY	Mr. Fikri Tasci
31.	UKRAINE	Mr. Volodymyr Romanovskyy
32.	UNITED KINGDOM	Mr. S. Gillam

GROUP WORK NUMBER THREE
Forestry Regional Commissions
Thursday 20 November

Chair person:

Secretariat: Hivy Ortiz Chour and Mario Mengarelli

Room number: Mexico room D 211

Language: English/Spanish

1.	ARGENTINA	Ms. C. Montenegro
2.	BRAZIL	Mr. Tasso Rezende de Azevedo
3.	BRAZIL	Mr. Sergio Ahrens
4.	CHILE	Ms. M. V. Oyarzún
5.	CHILE	Mr. Carlos Bahamondez
6.	COLOMBIA	Ms. Y. González Hernández
7.	CUBA	Ms. I. de la Caridad Diago Urfé
8.	DOMINICA	Mr E. Hypolite
9.	DOMINICAN REPUBLIC	Mr. J. Abel H. Batista
10.	ECUADOR	Mr. Marco Trelles Jimenez
11.	EL SALVADOR	Ms. Lucia Alicia Gómez Vaquerano
12.	GUATEMALA	Mr. L. E. Barrera Garabito
13.	GUATEMALA	Mr. Rodrigo Rodas
14.	GUYANA	Ms Anna Mohase
15.	HONDURAS	Mr. O. Peralta
16.	MEXICO	Mr. Alberto Sandoval
17.	MONTSERRAT, WEST INDIES	Mr. G. Gray
18.	NICARAGUA	Mr. J. Herrera Rivera
19.	PANAMA	Mr. R. Gutierrez
20.	PARAGUAY	Ms. Damiana Mann
21.	PERU	Ms. R. Malleux
22.	SAINT LUCIA	Mr. Isaac Cornelius
23.	ST. KITTS-NEVIS	Ms. Ilis Watts
24.	St. VINCENT & THE GRENADINES	Mr C. Richards
25.	SURINAME	Mr. René Somopawiro
26.	TRINIDAD AND TOBAGO	Mr. Sheriff Faizool
27.	URUGUAY	Mr. R. Echevarria
28.	VENEZUELA	Mr. R Silva
29.	VENEZUELA	Ms. Olga Pérez

GROUP WORK NUMBER THREE
Forestry Regional Commissions
Thursday 20 November

Chair person:

Secretariat: Mohamed Saket and Mr. Hr. Addel-Nour

Room number: FRA meeting room D 354

Language: English/Spanish

1.	ARMENIA	Mr. A. Gouljanyan
2.	BELARUS	Mr. M.V. Kuzmenkov
3.	EGYPT	Ms. Hoda S. Rashed
4.	IRAN, ISLAMIC REPubL. OF	Mr. S. Shariatnejad
5.	KAZAKHSTAN	Mr. Daukeyev Serikbek
6.	LEBANON	Mr. Fady Asmar
7.	SAUDI ARABIA	Mr. Khalid Bin Nasser Al Moussa
8.	SYRIAN ARAB REPUBLIC	Mr. Ali Daoud
9.	UZBEKISTAN	Mr. Gulya Vildanova

GROUP WORK NUMBER THREE
Forestry Regional Commissions
Thursday 20 November

Chair person: Monica Garzuglia and Federica Urbani

Secretariat:

Room number: C 375

Language: English/Spanish

1.	CANADA	Mr. B. Haddon
2.	MEXICO	Mr. Alberto Sandoval
3.	UNITED STATES OF AMERICA	Mr. B. Smith

Annex 5: Terms Of Reference (TOR) from Group Work 1



International Tropical Timber Organization

**National Correspondents Training
Formation de correspondants nationaux
Capacitación de corresponsales nacionales**

**Global Forest Resources Assessment, FAO
Evaluation des ressources forestières mondiales, FAO**

**Rome, Italy, 17-21 November 2003
Rome, Italie, 17-21 Novembre 2003
Roma, Italia 17-21 de noviembre 2003**

**Groups composition
Composition des groupes
Composición de grupos**

**GROUP WORK NUMBER ONE
GROUPE DE TRAVAIL NUMÉRO UN
GRUPO DE TRABAJO NÚMERO UNO**

Terms of Reference for Group Work 1

National Reporting Tables for FRA 2005

Introduction

The Group work will be organized as round table discussions. Each working group will consist of 14 to 18 participants. The constellation of each working group is made to maximize that as many regions as possible are represented in every working group.

Organization of Working Group Session

There will be eight working groups working on four different sets of FRA 2005 national reporting tables meaning that each set of national tables will be processed by two working groups. Common for all working groups is that national tables 1 “*Extent of Forests*”, 3 “*Designation*”, 4 “*Characteristics*” and national table 5 “*Forest Growing Stock*” are included in the set of tables to be covered.

Working groups should elect a chairperson for each group and each group will have one secretary responsible for summarizing main discussions and outcomes as group reports according to the attached two **templates**. The group reports will be compiled by the secretariat and main conclusions will be presented during the Wednesday morning session (19 November 2003).

Working Groups Tasks

1. The group should in detail discuss and bring together FRA 2005 national reporting table 1 “*Extent of Forest*” in the proposed format by going through each of the following eight steps in the transformation process for reporting to the global tables. Any difficulties/questions/issues identified within the group should be discussed and documented.

- A. Global Classifications & Definitions
- B. National Data Sources
- C. National Classifications & Definitions
- D. National Data
- E. Calibration
- F. Estimation & Forecasting
- G. Reclassification into FRA 2005 Classes
- H. National Information for FRA 2005 Global Tables

2. The groups should go through the other tables as assigned and come to following output on each table

- A. Comments and conclusions in regards of the scope and relevance of the national reporting tables for FRA 2005 for countries, as well as international reporting needs.
- B. Comments and recommendations on reporting format (classification and definitions) used.
- C. Assessment of availability of information and time series for reporting
- D. Other relevant issues, suggestions (e.g. reporting capacity, need for additional resources, etc).

Expected Working Groups Outputs

Output 1

Each working group should complete and bring together national reporting table 1 “*Extent of forests*”

Template 1 for National Reporting Table 1 “*Extent of Forests*”

Country: C

Rationale:

The information on “extent of forests” is necessary for assessment of state and change in forest resources (including goods and services provided by forests) on a global basis. It helps to develop trends of expansion or deforestation of forests and review the sustainability of forests. It facilitates establishing links between national and global classification of extent of forests.

A. Global Classification and Definitions

Forest	Land under forestry or no land use, spanning more than 0.5 hectares; with trees higher than 5 meters and a canopy cover of more than 10 percent, or trees able to reach these thresholds <i>in situ</i> .
Other Wooded Land	Land under forestry or no land use, spanning more than 0.5 hectares; with trees higher than 5 meters and a canopy cover of 5-10 percent, or trees able to reach these thresholds <i>in situ</i> ; or with a combined cover of shrubs, bushes and trees above 10 percent.
Other Land with Tree Cover	The lands primarily not under forests having more than 0.5 hectares with a canopy cover of more than 10 percent of trees able to reach a height of 5 m at maturity. It includes trees outside forests.
Other Land	Land not classified as “forest”, “other wooded land” or “other land with tree cover”.
Inland Water bodies	Inland water bodies generally include major rivers and lakes.

(Source: For Comparison of Definition of Terms used in FRA 1990 and 2000 see Annex 4 to Guidelines)

B. National Data Sources

Reference of the Source Information	Quality* (H/M/L)	For following Variables	For Years
Author. Year of Publication. Name of the Report/book/ etc. etc. name of the Publisher, Name of Country.		Name of Variable for which information has been taken from this source	Years for which information has been derived for this source

(Note * = Quality of Information is H (High) if Remotely sensed information is supported by good ground survey. It is M (Medium) if supporting ground survey is just appropriate and it is L (Low) if the supporting ground survey is weak or absent)

C. National Classification and Definitions

The following tables provide the classification and sub-classification patterns and their definitions in use for country C.

National Classification	Definition
Forest Cover	All lands, more than one hectare in area, with a tree canopy density of more than 10 percent. Such lands may not be statutorily notified as forest area.
Dense Forest	All lands, with a forest cover with canopy density of 40 percent and above.
Open Forest	All lands, with forest cover with canopy density of 10 to 40 percent.
Trees Outside Forests	Land with trees existing outside recorded Forest Areas with a canopy density of more than 12 percent
Scrub	All lands, generally in and around forest areas, having bushes and or poor tree growth chiefly small or stunted trees with canopy density less than 10 percent.
Non Forest Land	Lands without any forest cover.

(Source: xxx)

D. National Data

The following table presents the national data on forest cover in country C.

National Class	Extent in "1000" ha		
	1988	1992	2000
Forest cover	12,000	11,800	11,500
Dense Forest	2,000	1,900	1,800
Open Forest	10,000	10,100	10,500
Trees Outside Forests	8,000	7,800	7,800
Scrub	5,000	4,800	4,900
Non Forest Land	3,000	3,200	3,300
Total Land Area	40,000	39,600	39,800

E. Calibration

The calibration is the proportional adjustment of the national reported land area (the sum of all land classes) to the official land area as maintained by FAO.

National Class	1990	2000
Land Area Total of National Data		
Land Area UN Statistical Division	40,198	40,198
Calibration Factor		

F. Estimation and Forecasting

Estimation is the process of recalculating national information to the specified reference years 1990 and 2000. Forecasting refers to forecasting the global data for the last reference period 2005.

National Class	Extent in "1000" ha		
	1990	2000	2005
Forest Cover			
Dense Forest			
Open Forest			
Trees Outside Forests			
Scrub			
Non Forest Land			
Total Area			

G. Reclassification into FRA 2005 Classes

Reclassification is the process of aggregation or disaggregation of original (national) classes into one or many global FRA 2005 variables/classes/categories based on respective definitions and specifications.

National Class	Percentage of a National Class Belonging to a FRA Class			
	Forest	Other Wooded Land	Other Land with Tree Cover	Other Land
	%	%	%	%
Forest				
Dense Forest				
Open Forest				
Trees Outside Forests				
Scrub				
Non Forest Land				

H. National Information for FRA 2005 Global Tables

FRA 2005 Classes	Extent in "1000" ha		
	1990	2000	2005
Forest			
Other Wooded Land			
Other Land with Tree Cover			
Other Land			
Total for country			

Output 2

Working groups should complete and review each assigned set of national reporting table according to template 2

Template 2, for National Reporting Tables Review

Name of National Reporting Table:

A	B	C	D
Comments and conclusions in regards of the scope and relevance of the national table for countries as well as international reporting needs.	Comments and recommendations on reporting format (classifications and definitions) used.	Assessment of availability of information (time series) for this reporting table and quality of data.	Other relevant issues, suggestions.
Does the scope of the table comply with the rationale?	Comments on global classification system	Availability of national data for this National Table? Availability of sub-national data (including partial data)? Availability of regional data (group of countries)	
Is this national /global table useful for other International reporting processes?	Comments on global definitions	Availability of time series (1990, 2000)? Data quality (H/M/L)	
Does the table meet national reporting needs?	Comments on proposed reporting template	Name of countries that will be able to report on this global table (High, Medium, Low) If no, why?	

Background Material

The Working Group should use information, which National Correspondents in their group may have brought with them. If such information is not available then they can use information contained in any of the five pilot studies developed by FRA at Rome and attached templates. The groups will further have at their disposal copies of following documents.

Draft Terms and Definitions
Draft National Reporting Tables
Draft Guidelines for Country Reporting
FRA 2005 Pilot Studies

Assignment of National Reporting Tables for Group Work 1

Working Groups for Group Work 1	National Reporting Tables
1 & 5	1. Extent of Forests 3. Designation 4. Characteristics 5. Forest Growing Stock 11. Wood Removal 12. Value of Primary Wood Removal 16. Employment through Primary Activities
2 & 6	1. Extent of Forests 3. Designation 4. Characteristics 5. Forest Growing Stock 6. Biomass Stock (Forest Biomass) 7. Carbon Stock (Forest Carbon) 15. Sites for Social Functions
3 & 7	1. Extent of Forests 3. Designation 4. Characteristics 5. Forest Growing Stock 8. Disturbances to Health and Vitality of Forests 9. Forest Tree Species 10. Forest Composition
4 & 8	1. Extent of Forests 2. Ownership 3. Designation 4. Characteristics 5. Forest Growing Stock 13. NWFP Removal 14. Value of NWFP Removal

Annex 6: Terms Of Reference (TOR) from Group Work 2



International Tropical Timber Organization

National Correspondents Training Formation de correspondants nationaux Capacitación de corresponsales nacionales
Global Forest Resources Assessment, FAO Evaluation des ressources forestières mondiales, FAO
Rome, Italy, 17-21 November 2003 Rome, Italie, 17-21 Novembre 2003 Roma, Italia 17-21 de noviembre 2003
TERMS OF REFERENCE TERME DE RÉFÉRENCE TÉRMINOS DE REFERENCIA

GROUP WORK NUMBER TWO GROUPE DE TRAVAIL NUMÉRO DEUX GRUPO DE TRABAJO NÚMERO DOS

TERMS OF REFERENCE FOR GROUP WORK 2

Thematic Reporting in FRA and its Linkages with Criteria and Indicator Processes

Introduction

The working groups will be organized based on their country membership to a Criteria and Indicator Process. Each working group will consider in detail thematic reporting to FRA 2005 as mentioned in the “Guidelines”

Organization of working Group

Working groups should elect a chair person for each group and each group will have one secretary responsible for summarizing main discussions and outcomes as group reports according to the attached template. The group reports will be compiled by the secretariat and main conclusions will be presented during the Friday morning session.

Tasks

- A. The participants shall review step 2 for national reporting that deals with Thematic Reporting with regard its relevance and constraints
- B. The participants shall examine existing/potential linkages between FRA and the relevant Criteria and Indicator process.
- C. The participants shall examine feasibility for their respective country of providing information on variables (in addition to global variables) for thematic reporting.
- D. The participants shall examine the reasons for which some countries may have opted no to go for thematic reporting.

Output (from each working group)

- A. For each theme, comments on need of more national variables in addition to the global variables (reported in national reporting tables T1 to T16) for better understanding or explanation of the state of forests including their sustainability in a country (including examples of variables)
- B. Role of FRA process to facilitate national thematic reporting
- C. Comment on how the linkages between FRA and Criteria and Indicator processes can be further developed.

Back Ground Material

The Working Group should use information which National Correspondents in their group may have brought with them. If such information is not available then they can use information contained in any of the five pilot studies developed by FRA at Rome. The groups will further have at their disposal copies of following documents.

Draft Terms and Definitions
Draft National Reporting Tables
Draft Guidelines for Country Reporting
Pilot Studies for Country Reporting

OUTPUT A: Need of National Variables over and above in National Reporting Tables

First have a look at variable in the National Reporting Tables and then consider whether additional variables are needed or not. For inspiration, one can refer to background documents (pilot studies). If the working group feels that global variables are not sufficient and some other variables are need to explain the state of forest in their countries then the groups should provide a list of such national level variables that may be useful for following criteria (Thematic Area).

Thematic Area 1a. Extent of forest resources

Additional Variable Needed: Yes or Not

If yes then list of additional variables for this thematic area

Thematic Area 1b. Contribution to the Global carbon cycle

Additional Variable Needed: Yes or Not

If yes then list of additional variables for this thematic area

Thematic Area 2. Forest ecosystem health and vitality

Additional Variable Needed: Yes or Not

If yes then list of additional variables for this thematic area

Thematic Area 3. Biological diversity

Additional Variable Needed: Yes or Not

If yes then list of additional variables for this thematic area

Thematic Area 4. Productive functions

Additional Variable Needed: Yes or Not

If yes then list of additional variables for this thematic area

Thematic Area 5. Protective functions

Additional Variable Needed: Yes or Not

If yes then list of additional variables for this thematic area

Thematic Area 6a. Social functions

Additional Variable Needed: Yes or Not

If yes then list of additional variables for this thematic area

Thematic Area 6b. Economic functions

Additional Variable Needed: Yes or Not

If yes then list of additional variables for this thematic area

Annex 7: Terms Of Reference (TOR) from Group Work 3



International Tropical Timber Organization

**National Correspondents Training
Formation de correspondants nationaux
Capacitación de corresponsales nacionales**

**Global Forest Resources Assessment, FAO
Evaluation des ressources forestières mondiales, FAO**

**Rome, Italy, 17-21 November 2003
Rome, Italie, 17-21 Novembre 2003
Roma, Italia 17-21 de noviembre 2003**

**TERMS OF REFERENCE
TERME DE RÉFÉRENCE
TÉRMINOS DE REFERENCIA**

**GROUP WORK NUMBER THREE
GROUPE DE TRAVAIL NUMÉRO TROIS
GRUPO DE TRABAJO NÚMERO TRES**

Terms of Reference for Group Work 3

Development of Regional And National Work Plans for FRA 2005 Implementation

Introduction

There will be five working groups, the assignment of participants to groups is according to membership of their countries to FAO Forestry Regional Commissions (Africa, Asia-Pacific, European, Latin American and Caribbean and North America Forestry Region).

Organization of working groups

The group work will be organized as round table discussions. Each working group should elect a chair person. The FRA secretariat and concerning regional officers will jointly work as secretary to a working group. Each working group will develop the national and region work plan for providing information to FRA 2005. The group reports are scheduled for presentation in the morning session on Friday, November 22nd, 2003.

Working Groups Tasks

1. Based on the deliberation and past group works, the participants shall discuss how the process to generate information to FRA2005 including detail time plan for submission of country reports.
2. The group shall discuss how regional offices can coordinate and facilitate the process of country reporting including regional workshop etc.
3. The group shall discuss what resource, capacities and mechanism are needed by each country to provide data to FRA 2005 during the year 2004.
4. The group members shall 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.

Expected Outputs

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

Templates

There are following three templates one for each of the above expected output. Each working group should report in this format.


Annex 8: Presentations in First Plenary Session

Annex 8.1: Development of FRA 2005 & Meeting Process: Mr. P. Holmgren

Global FRA
Review of FRA Process
FRA 2005 development
NC Meeting process
 Peter Holmgren

The FRA Process

See also:
Unasyuva 210



The FRA Process


FRA history

- Since 1947
- Originally timber supply
- Broader coverage over time
- Deforestation in 1980

The FRA Process

History ...continued

- FRA 1990 ..more advanced
- FRA 2000 ..back to basics
- Reduced deforestation (?)
- Information gaps
- What was the question?



The FRA Process

(Re)defining FRA:

- FRA's support policy decisions;
- All benefits and beneficiaries;
- Policies are concerned with trends;
- Cross-sectoral context, e.g.:
 - ... UN Millenium Development Goals
 - ... Role of forest sector in economy

The FRA Process

So, FRA's should look into:

- ... All Forest Benefits,
- ... For all Beneficiaries,
- ... Over Time,
- ... For a given Area

$$U = \sum_B \sum_P \sum_T u_{b,p,t} \cdot w_{b,p,t}$$

The FRA Process

Some help..

- Long FRA tradition and knowledge
 - National Forest Inventories
- Criteria & Indicators for SFM
 - specification for FRA

The FRA Process

National correspondents:

- Official focal points
 - For forest resources information in general
- Feedback
- Submit country reports

FRA 2005



FRA 2005 pillars

FRA 2005 Harmonization efforts with:

- IPCC Good Practice Guidance
- UN Millennium Development Indicators
- FAO/UNECE/Eurostat/ITTO Joint Questionnaire
- ILO and UN Statistics Division
- IUCN Protected Areas Categories and Redbook
- The 9 C&I processes on SFM

FRA 2005

What do we want to achieve?

- Neutral and reliable global information base for multiple purposes
- Increased country involvement
- Reduced overall reporting burden
- Enhanced national capacities
- Improved information quality, not quantity (cf FRA 2000)

FRA 2005

FRA 2005 Contents:

- Global tables (16), linked to SFM
- Country reports
- Thematic studies:
 - Forests and Water
 - Specific forest types
 - ..

FRA 2005

Framework: C&I Themes

1. Extent of forests
2. Forest health
3. Biodiversity
4. Productive functions
5. Protective functions
6. Socioeconomic functions

FRA 2005

Time frame:

- | | |
|----------|---------------------------|
| Nov 2003 | NC meeting, Rome |
| Jan 2004 | Final guidelines |
| Dec 2004 | Deadline, country reports |
| Sep 2005 | FRA 2005 released |

Meeting Process



Meeting Purposes

1. Raise awareness of FRA 2005
 - FRA process
 - Linkages with other international processes
 - Reducing overall reporting burden
2. Explain, train, discuss:
 - National data -> Global tables process
 - Thematic reporting
3. Work plans for country reporting
 - National and regional aspects

Background documents



1. FRA 2005 draft specification
 - Global tables
 - Guidelines
 - Terms & Definitions
 - Report template
2. Pilot country reports
 - Guatemala
 - India
 - Italy
 - South Africa
 - Sweden

Meeting Process

1. Opening
2. Global Tables (Group work 1)
3. Related subjects
4. Thematic reporting & Links to C&I (Group work 2)
5. Work plans (Group work 3)
6. Conclusions / closing

Annex 9: Presentations in Second Plenary Session

- Annex 9.1: National Expectations – Uganda: Mr. P. Drichi
- Annex 9.2: National Reporting Tables: Mr. P. Holmgren
- Annex 9.3: National Reporting Tables 1 – 4: Mr. P. Holmgren
- Annex 9.4: National Reporting Tables 5 – 7: Mr. K. Govil
- Annex 9.5: National Reporting Tables 8 – 10: Mr. Ö. Jonsson
- Annex 9.6: National Reporting Tables 11 – 14: Ms. S. Kelatwang
- Annex 9.7: National Reporting Tables 15 – 16: Ms. M. Garzuglia

Annex 9.1: National Expectations - Uganda: Mr. P. Drichi

Country Views & Expectations From the NC training

Presented by Drichi, P.
FRA National Correspondents
Training Workshop, 17 – 21
November, 2003, Rome, Italy.

Basis of the Country views

Best after consultations with NCs
Only choice was the use of supporting documents
for FRA especially

- The Draft Guidelines, Specification of global Reporting Tables, Terms & Definitions etc
- Pilot Studies through the working papers of India, Guatemala and Sweden were used to discern what the countries' views would be like

Other basis will be from NCs during discussions
Else, opinions expressed reflect that of the author

Outline of the presentation

Views on recent developments in the FRA
process
Views on the concepts, design and
reporting process of FRA 2005
Expectations from the NC training

Recent developments in the FRA process

COFO 2001 recommendation of a 5-year
reporting and emphasis on broad based assessment
to relate it with other international processes
The Kotka IV recommendations e.g.

- the linkage between the national and international assessments
- The FRA structure based on international processes on C&I SFM, other processes e.g. IPCC, CBD, ITTO, etc
- Efforts in harmonization of terms and definitions
- The COFO endorsement of the above recommendations in March 2003: Hence FRA 2005!

These are positive developments

Concepts, design & reporting process:

The classification system: Very simplified and
good for many countries however...
Terms and definitions - Likely differences to be
encountered
National Reporting Tables
– The 16 tables & 54 variables: workload?, sources?
Gaps?:
The reporting format: Uniformity, harmonization
& Reporting?, working Paper – Good incentive

Expectations

To understand the concepts, design and the
reporting process of FRA2005 for better
implementation
Good opportunity for Feedback/clarification
on issues arising from the above
Agreed work plan for the implementation
Kick-start the process of implementation
Stronger linkage between countries & Rome

Annex 9.2: National Reporting Tables: Mr. P. Holmgren

FRA 2005 National Reporting Tables

Peter Holmgren

16 Tables

- Build on variables in FRA 2000
- Relate to the common C&I themes
- Global terms and definitions, harmonized with other processes
- Standardized format and method

Method

- 8 steps, common to all 16 tables
- Template provided – FRA WP
- Why this approach?
 - Transparency
 - Traceability
 - REDUCED BURDEN!!!
- Method used in FRA 2000...

Method – 8 steps

- A. Global classes
- B. National sources
- C. National classification
- D. National data
- E. Calibration
- F. Estimation / forecasting
- G. Reclassification
- H. Final National data for global table

Annex 9.3: National Reporting Tables 1 – 4: Mr. P. Holmgren

FRA 2005

National Tables 1-4

Peter Holmgren

Table 1: Extent of forests

Rationale:

- Criteria theme 1
- Forest area change considered important (eg in Agenda 21, UNFCCC)
- Correlation with major forest benefits (?)

Table 1: Extent of forests

Contents, area of:

1. Forest
2. Other wooded land
3. Other land with tree cover (?)

Time series:

- 1990 – 2000 – 2005

Table 1: Extent of forests

Issues:

- Definitions unchanged but reworded
- Remove "other land with tree cover"?

Table 1: Extent of forests

Example India (WP 78, page 10):

FRA 2005 Classes	Extent in "000"ha		
	1990	2000	2005
Forest	63 938	67 553	67 700
Other Wooded Land	5 894	4 731	4 110
Other land with Trees	81	81	81
Other land	227 404	224 952	225 426
Inland water	31 407	31 407	31 407
Total Area	328 726	328 726	328 726

Table 2: Ownership

Rationale:

- Important for policy institutional and management issues

Table 2: Ownership

Contents, area under ownership:

- Public
- Private
- Other / Unspecified

Time series:

- 1990 – 2000

Table 2: Ownership

Issues

- "Traditional" ownership

Table 2: Ownership

Example South Africa (WP75, p.12):

Ownership	Area in 000 ha			
	1990		2000	
	Forest	OWL	Forest	OWL
Public Ownership	7 457	7 122	6 686	6 447
Private Ownership	2 035	16 619	2 111	15 043
Other / Unspecified	0	0	0	0
Total	9 493	23 742	8 797	21 490

Table 3: Forest designation

Rationale:

- Responds to several criteria themes
- Measures policy intervention over area

Table 3: Forest designation

Contents, area designated for:

1. Production
2. Protection
3. Conservation
4. Socio-economic purposes
5. Multiple purposes

Table 3: Forest designation

Issues:

- Protected areas definition
- All areas = multiple use?

Table 3: Forest designation

Example – Sweden (WP 77, page 15):

FRA 2005 Classes	Area in "000" ha		
	1990	2000	2005
Production	n.a.	15	15
Protection	35	35	35
Conservation	1 139	1 693	1 893
Social Services			
Multiple Objective	26 192	25 731	25 599
Total Forest	27 366	27 474	27 541
Protection	0	0	0
Conservation	639	769	777
Social Services			
Multiple Objective	2 584	2 477	2 478
Total OWL	3 223	3 246	3 255

Table 4: Forest characteristics

Rationale:

- Combines "naturalness" and management intensity
- Refers to several C&I themes
- Addresses the "planted forests" issue

Table 4: Forest characteristics

Contents, areas that are:

1. Primary
2. Modified natural
3. Semi-natural
4. Production plantation
5. Protective plantation

Table 4: Forest characteristics

Issues:

- Remove "modified natural"?
- Plantations distinguished by
 - Introduced/native species ONLY
 - OR include intensively managed stands of native species as before?

Table 4: Forest characteristics

Example – India (WP 78, page 21):

FRA 2005 Classes	Area in 000 ha		
	1990	2000	2005
Primary Forest	n.a.	n.a.	n.a.
Modified Forest	19 861	21 912	21 972
Semi- Natural Forest	42 053	42 696	42 321
Production Forest Plantation	708	1 007	1 160
Protective Forest Plantation	1 315	1 937	2 246
Primary OWL	n.a.	n.a.	n.a.
Modified OWL	1 851	1 557	1 357
Semi- Natural OWL	3 920	3 035	2 614
Protective OWL Plantation	122	137	138
Total	69 832	72 284	71 810

Conclusion

- Challenge to achieve globally harmonized tables on these topics
- Improvements from FRA 2000, without changing / adding concepts or definitions
- Some outstanding issues to discuss
- Pilot studies performed well in all regions

Annex 9.4: National Reporting Tables 5 – 7: Mr. K. Govil



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

Introduction to National Reporting Tables on Growing Stock, Biomass & Carbon

Dr. Kailash Govil

Outline

1. Rationale
2. Contents of the Tables
3. Conclusion

Rationale of Tables 5,6 &7 (Growing Stock, Biomass, Carbon)

- Important for SFM
- Volume dynamics (space and time)
- Capacity to sequester Carbon
- Needed by international processes
- Thematic Area 1 of C&I processes

Content Table 5: Growing Stock

- Global Variables
 - Growing Stock
 - Commercial Growing Stock
- Time Series
 - 1990, 2000 and 2005
- Unit of reporting
 - Volume in Million Cubic Meters

GS & Commercial GS

- Growing stock "GS"
 - stem volume
 - does not include Branches & Foliage
- Commercial Growing Stock
 - trees giving merchantable timber
 - part of "Growing stock"
- Example India

The National Reporting Table 5

H. Input to global FRA 2005 (India, Page 24)			
	Volume in "million" cubic meters		
	1990	2000	2005
Growing Stock	4335.4	4629.1	4639.1
Commercial Growing Stock	1734.2	1851.6	1855.6

Volume Expansion Factor “VEF”

To estimate growing stock of trees not included in the inventory threshold

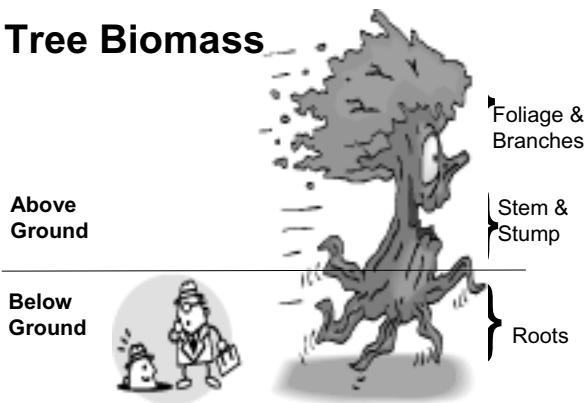
Inventory includes trees above 30 cm
Need Growing stock trees above 10 cm

Total Growing Stock
= VEF*Growing Stock above 30 cm

Content Table 6: Biomass

- **Global Variables**
 - Above Ground Tree Biomass
 - Below Ground Tree Biomass
 - Woody Biomass
- **Time Series**
 - 1990, 2000 and 2005
- **Unit of reporting**
 - Over Dry Weight (million metric tones)

Tree Biomass



Estimating Live Biomass

Growing Stock “GS” per hectare (single or group of species in an inventory strata)

Biomass “BM” per hectare (multiply “GS” with dry weight density & BEF)

Total Biomass (multiply BM with strata area & add all strata)

Biomass Expansion Factor “BEF”

To covert Stem biomass per hectare into Total (including all parts of the tree) biomass per hectare.

Total Biomass per hectare
= BEF* Stem Biomass per hectare

The National Reporting Table 6

H. Input to global FRA 2005 (India, Page 26)

	Biomass in "million" metric tones (Oven Dry Weight)		
	1990	2000	2005
Woody Biomass	-	-	-
Above Ground Tree Biomass	2396.6	2554.7	2560.3
Below Ground Tree Biomass	-	-	-

Content Table 7: Forest Carbon

- **Global Variables**
 - Carbon in Above Ground Tree Biomass
 - Carbon in Below Ground Tree Biomass
 - Carbon in Woody Biomass
 - Soil Carbon
- **Time Series**
 - 1990, 2000 and 2005
- **Unit of reporting**
 - Weight in million metric tones

Estimating Carbon Stock

Carbon Stocks are normally estimated from biomass by using conversion factors. The default value of this factor is 0.5.

$$\text{Carbon Stock} = 0.5 * \text{Biomass Stock}$$

The National Reporting Table 7

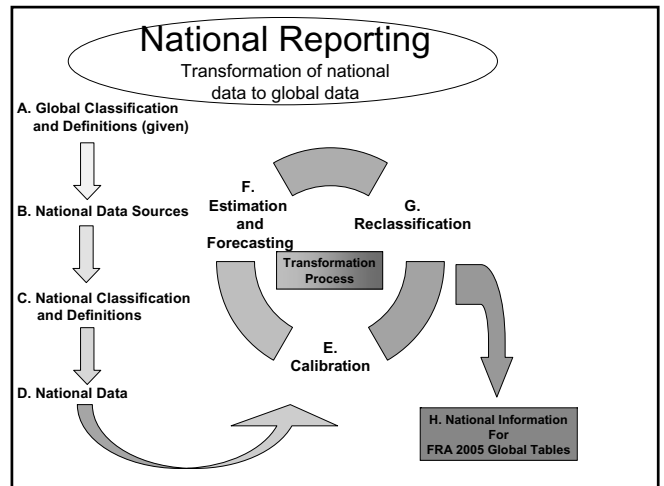
H. Input to global FRA 2005 (India, Page 28)

	Carbon Stock (above ground) million metric tones		
	1990	2000	2005
Carbon Stock (Above ground)	1084.3	1155.8	1158.4

Annex 9.5: National Reporting Tables 8 - 10: Mr. Ö. Jonsson

Introduction to National Reporting
Tables (8, 9 &10)

Örjan Jonsson



National Reporting Table 8
Disturbances Affecting Health and Vitality of Forests and Other Wooded Land

Rationale:

- Disturbances (biotic and abiotic)
- Criteria Theme 2

Content Table 8:
Disturbances Affecting Health and Vitality of Forests and Other Wooded Land

Global Variables

- Fire
- Insect
- Disease
- Other Disturbance

Time Series

- 1990 – 2000

Unit of Reporting

- Area “1000” Ha

National Reporting Table 8

Input to Global FRA 2005
Example Sweden (page 28)

Disturbances ²	Average Annual Area Affected “1000” hectares			
	Forest		Other Wooded Land ¹	
	1990 ⁴	2000	1990	2000
Forest Fire	n.a.	5.9	n.a.	2.9
Forest Insect			n.a.	n.a.
Forest Disease	9	78	n.a.	n.a.
Other Disturbance	73	88	n.a.	n.a.
Total	82	172	n.a.	2.9

¹ OWL is not covered in NFI (n.a. = data not available)
² Disturbance (other than fire) is defined as a percent loss of growth value exceeding 10 %
³ Includes storm, grazing and other disturbances
⁴ Relevant data from 1988 were not available, thus the average values are based on the 4-year period 1989-1992

National Reporting Table 9
Forest Tree Species

Rationale

- Biodiversity
- Criteria Theme 3

Content Table 9:
Forest Tree Species

Global Variables

- Tree Species
- Endangered Tree Species (IUCN)

Time Series

- 1990 – 2000

Unit of Reporting

- Number of species

National Reporting Table 9

Input to Global FRA 2005

Example India (page 33)

Forest Tree Species	Total Number of Species	
	1990	2000
Inventoried Forest Tree Species	1240	1240
Endangered Forest Tree Species	98	98

National Reporting Table 10
Forest Composition

Rationale

- Conservation of Biodiversity
- Criteria Theme 3

Content Table 10:
Forest Composition

Global Variable

- Forest Composition

Time Series

- 1990 – 2000

Unit of Reporting

- Million m³

National Reporting Table 10

Example Sweden (page 32)

Input to Global FRA 2005

Ten most frequent forest tree species and the rest of species		Growing stock in forests million m ³	
Order	Name of Species	1990	2000
Most Common	<i>Picea abies</i>	1,279.2	1,321.6
2nd Most Common	<i>Pinus sylvestris</i>	1,112.9	1,220.4
3rd Most Common	<i>Betula pubescens</i>	219.9	264.4
4th	<i>Betula pendula</i>	76.1	91.5
5th	<i>Populus tremula</i>	35.0	43.2
6th	<i>Quercus robur</i>	25.2	27.3
7th	<i>Alnus glutinosa</i>	20.1	26.1
8th	<i>Fagus sylvatica</i>	18.6	17.7
9th	<i>Salix caprea</i>	10.1	16.1
10th	<i>Alnus incana</i>	10.1	11.7
Rest	Other Species	18.5	29.3
All	All species	2,825.6	3,069.4

Annex 9.6: National Reporting Tables 11 - 14: Ms. S. Kelatwang

NATIONAL REPORTING TABLES: T11-T14

Sebueng Kelatwang

Outline

- Rational for each Table
- Definition
- Input in Global Table
- Time Series: 1990-2000-2005

National Reporting Table 11 Volume of Wood Supply

Rationale

- Actual supply of "Round Wood" from "Forests", "Other Wooded Lands" and "Other Land with Trees" (including Trees Outside Forests).
- Economic and social potential and utility of forest tree species
- Monitor sustained use of tree resources

A. Global Classification and Definitions (FRA 2005)

Contents

- Industrial Round wood supply
- Fuelwood or Wood removal
- Time Series: 1990-2000-2005
- Unit of reporting is m³

H. National Information for FRA 2005 Global Tables

South Africa (WP 75)page :31

Round Wood Supply	"million" m ³ round wood under bark			
	Forest		"OWL" and Trees outside Forest	
	1990	2000	1990	2000
Industrial Round Wood	14	15		
Wood Fuel	0.18	0.19	10.6	12
Total for Country	14.18	15.19	10.6	12

National Reporting Table 12 Value of Wood Supply

Rationale

- "Economic health" of the "Forest", "Other Wooded Land" and "Other Lands with Trees"
- The market value (product of price and quantity) of "wood supply".

A. Global Classification and Definitions (FRA 2005)

Contents

- Value of Round wood
- Value of Fuelwood or wood Fuel
- Time Series: 1990-2000-2005
- Unit of reporting is million Rands

National Reporting Table 12

Input to Global FRA 2005
South Africa page: 35

Variable	Value in Rand million		
	1990	2000	2005
Industrial Round Wood Supply	899	3243	4415
Wood Fuel Supply	13	23	2795
Total for Country	912	3266	7210

National Reporting Table 13 Volume of (NWFP) Supply

Rationale

- **Potential of forests in providing NWFP**
- **Priority NWFPs deserve in development of management strategies.**

A. Global Classification and Definitions (FRA 2005)

Contents

- Annual removal of NWFP from Forests
- Annual removal of NWFP from Other Wooded Land
- Time Series: 1990-2000-2005
- Unit of reporting is "tons"

National Reporting table 13

Input to Global FRA 2005
South Africa page 38

GFRA Class	Quantity in "000"tons		
	1990	2000	2005
Food	358 420	5 372	5 843
Medicinal	15 700	19 500	20 000
Handicraft			293 000
Honey and bees	60		

National Reporting Table : 14. Value NWFP Supply

Rationale

- Economic health of forest resources and support to local communities
- Allocation of resources and in priority

A. Global Classification and Definitions (FRA 2005)

Contents

- The total market value of NWFP
- Time Series: 1990-2000-2005
- Unit of reporting is in Rands

National Reporting Table: 14

Input into FRA 2005

South Africa: page:38

GFRA Class	Value in million Rands		
	1990	2000	2005
Food	36	230	248
Medicinal	282	36	
Handicraft		230	

Annex 9.7: National Reporting Tables 15 - 16: Ms. M. Garzuglia

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

Introduction to
National Reporting Table 15
"Sites for Social Functions"
and
National Reporting Table 16
**"Employment in Forest and Other
Wooded Lands"**

Monica Garzuglia

Outline

1. Rationale
2. Contents
3. Input to Global Reporting Table
4. Examples from country pilot studies

National Reporting Table 15
**Sites for Social Functions in Forests and
Other Wooded lands**

Rationale

- Measures forest management concern towards social needs.
- Important to understand state and changes of linkages between forest and society.
- Criteria Theme 6

National Reporting Table 15
**Sites for Social Functions in Forests and
Other Wooded lands**

Content

- **Global Variables:**
 - 1) Sites for social functions
 - 2) Visitors
- **Unit of reporting: number in "000"**
- **Reporting years: 1990-2000-2005**

National Reporting Table 15
**Sites for Social Functions in Forests and
Other Wooded lands**

Input to Global Reporting Table

India pilot study (page 51)

Variable	Number		
	Forest and Other Wooded Land		
	1990	2000	2005
Sites for Social Functions	363	573	589
Visitors	205,000	318,000	376,000

National Reporting Table 15
**Sites for Social Functions in Forests and
Other Wooded lands**

Examples from country pilot studies

(Italy, Guatemala, Sweden, India, South Africa)

- Availability of National data
- Results and comments

National Reporting Table 16
Employment in Forest and Other
Wooded Lands

Rationale

- useful in identifying trends in the context of public expectations, government policies, industry developments and socio-economic dependence.
- Criteria Theme 6.

National Reporting Table 16
Employment in Forest and Other Wooded
Lands

Content

- Global Variables:
 - 1) Primary Employment by Wood Removals
 - 2) Primary Employment by NWFP Removals
 - 3) Primary Employment by Other Primary Activities
- Unit of reporting: number in "000" of person-years of full time employment
- Reporting years: 1990-2000-2005

National reporting table 16
Employment in Forest and Other Wooded
Lands

Input to Global Reporting Table

India pilot study (page 55)

Category of staff	Primary activities	Employment (000 person years-full time) in Forests and Other Wooded Land		
		1990	2000	2005
A. Forest Workers	Wood Removals	0.408	0.211	0.119
	NWFP Removals	0.932	0.840	0.474
	Other Primary Activities	5.209	5.159	5.142
	Total	6.549	6.210	5.735
B. Regular staff	For all above activities	0.344	0.344	0.344
Grand Total		6.893	6.500	6.229

National Reporting Table 16
Employment in Forest and Other Wooded
Lands

Country pilot studies examples

(Italy, Guatemala, Sweden, India, South Africa)

- Availability of National data
- Results and comments

Annex 10: Presentations in Third Plenary Session

Annex 10.1: National Reporting Format and Process: Mr. P. Holmgren

Annex 10.2: Introduction to Terms of Reference for Group Work 1

Annex 10.1: National Reporting Format and Process: Mr. P. Holmgren

**National Tables
Reporting format**

Peter Holmgren

Method

- 8 steps, common to all 16 tables
- Template provided – FRA WP
- Why this approach?
 - Transparency
 - Traceability
 - REDUCED BURDEN!!!
- Method used in FRA 2000...

Method – 8 steps

- A. Global classes
- B. National sources
- C. National classification
- D. National data
- E. Calibration
- F. Estimation / forecasting
- G. Reclassification
- H. Final National data for global table

Case

- India
- Table 1 – Extent of forests
- Pages 7-10 in pilot report

Step A: Global classification

- Given from guidelines

Forest
Other Wooded Land
Other Land with Tree Cover
Other Land
Inland Water bodies

Step B: National data sources

Year	Source
1990	SFR, 1993. State of Forest Resources 1993. Forest Survey of India, Ministry of Environment and Forests, Government of India.
1992	SFR, 1995. State of Forest Resources 1995. Forest Survey of India, Ministry of Environment and Forests, Government of India.
1994	SFR, 1997. State of Forest Resources 1997. Forest Survey of India, Ministry of Environment and Forests, Government of India.
1997	SFR, 1999. State of Forest Resources 1999. Forest Survey of India, Ministry of Environment and Forests, Government of India.
2000	SFR, 2001. State of Forest Resources, 2001. Forest Survey of India, Ministry of Environment and Forests, Government of India.

Step C: National classification

Forest Cover
Dense Forest
Open Forest
Mangrove Cover
Mangrove
Scrub
Trees Outside Forests
Tree Cover
Non Forest Land

Step D: National data

Categories	Land Cover in "000" ha				
	1990	1992	1994	1997	2000
Forests	63 938	63 887	63 339	63 729	67 553
Non Forest					
(i) Scrub	5 894	6 052	5 270	5 189	4 731
(ii) Other Non Forest	258 893	258 786	260 116	259 807	256 440
Total (Country Area)	328 726	328 726	328 726	328 726	328 726

Step E: Calibration

No need.

Total land area match UN statistics.

Step F: Estimation / forecasting

1990 reported.

2000 reported.

2005 estimated through regression:

Category	Forecasted Land cover in 2005
Forests	67 700
Scrub	4 110

Step G: Reclassification

National class	Percentage of National class belonging to a FRA Class			
	Forests	OWL	OLwT	Other Land
Classes				
Forests	100			
Non Forest				
(i) Scrub		100		
(ii) Tree Cover			10	90
(iii) Other				100

Step H: National input done.

FRA 2005 Classes	Extent in "000"ha		
	1990	2000	2005
Forest	63 938	67 553	67 700
Other Wooded Land	5 894	4 731	4 110
Other land with Trees	81	81	81
Other land	227 404	224 952	225 426
Inland water	31 407	31 407	31 407
Total Area	328 726	328 726	328 726

16 Tables

- **Build on variables in FRA 2000**
- **Relate to the common C&I themes**
- **Global terms and definitions, harmonized with other processes**
- **Standardized format and method**

Global Forest Resources Assessment

Group Work I
National Reporting Tables
Terms of Reference

Introduction

GW I: Some more on the organisation
Purpose and GW Tasks
Work Group procedures (steps)
List of expected outputs (opportunities)
Documentation of findings (templates)
Background documents
Presentation of findings at plenary

Organisational framework (1)

Round Table Discussion (14-18 participants)
Constellation:
global representation (different regions)
4 different sets of Reporting Tables
(7 tables for each group)
4 common tables:
• Extent of ForestsŽ, • DesignationŽ,
• CharacteristicsŽ and • Forest GSŽ
+ 3 specific Tables
8 steps for each table (T1-“mandatory”...)

Organisational framework (2)

WG Timeframe:
today: from 10:45 to 17:30
(- 1:30 Lunch/Coffee)= ~ 5:15 hrs
Chair (Moderator) ..to elect...
and Rapporteur (Secretariat) – fixed.
Synthesis of all groups• outputs
(2 templates)
(today - evening, tomorrow – plenary)

Purpose and tasks

- 1) To discuss in detail FRA 2005 national reporting Table 1 • *Extent of ForestsŽ*, to complete data/ information in the proposed format going through the transformation process (8 steps) for reporting to global tables (*Template 1*);
 - 2) To discuss other assigned tables and provide comments, conclusions, assessments and suggestions in the proposed format (*Template 2*).
- To practice, as a part of training process**

Tasks 1 and 2

Task 1: implementation according to proposed procedures of 8 steps (*next slides*);
Task 2: in line with the requested output (*see the following slides...*)

NB. Any difficulties, questions, issues identified in the process of working with the national tables should be discussed and documented...

Task 1: Working steps

- A. FRA 2005 Classification and Definitions
- B. National Data Sources
- C. National Classifications and Definitions
- D. National Data
- E. Calibration
- F. Estimation and Forecasting
- G. Reclassification into FRA 2005 Classes
- H. National Info. for FRA 2005 Gl. Tables

Task 1: step by step (a)

A. FRA 2005 Classification and Definitions (to overview and analyse ...)

- The information on “*extent of forests*” is necessary for assessment of state and change in forest resources on a global basis.
- Global Classification and T&D outlines a common framework to facilitate establishing links between global and national standards

Task 1: step by step (b)

B. National Data Sources

- To make references to reliable sources of information in countries to be used for providing data for FRA 2005 (e.g. Author, Year of publication, Name of the Report, Country, etc)
- To indicate global (and national) variables/parameters for which the source(s) used
- Reference year(s) of the information
- Reliability of data/information (H/M/L)

Task 1: step by step (c)

C. National Classifications and Definitions

- To provide list of Terms (national classes and sub-classes) and their Definitions relating to the national datasets (*derived from the above national sources of information*) for filling in the FRA 2005 National Reporting Table
- To give source of national definitions ...

Task 1: step by step (d)

D. National Data

- To provide national data according to national classes defined above, which are intended for generating information required for the National Reporting Table 1
(e.g. extent of forests by national classes in 1000 ha in 1988, 1992, 2000)

Task 1: step by step (e)

E. Calibration (section 3.3.1 of guidelines)

- To make proportional adjustment of the national reported land area (the sum of all land classes) to the official land area as maintained by FAO
- *define / indicate “calibration factor” for 1990 and 2000 (e.g. 1.0015)*

Task 1: step by step (f)

F. Estimation and Forecasting

(recalculating national data to the specified reference years 1990, 2000, 2005)

- To provide “estimate” for 1990 and 2000 by the “interpolation” method (if no actual data) and “forecast” for 2005 by “extrapolation” method (section 3.3.2 of guidelines).

Task 1: step by step (g)

G. Reclassification into FRA 2005 classes

- To make “aggregation” or “disaggregation” of original (national) classes into one or many global FRA 2005 variables/ classes/ categories based on respective definitions and specification, i.e. to define percentage of a National Class belonging to a relating FRA 2005 class ...
- This will lead to a table showing proportionate (%) allocation of national data to various classes or variables defined in global FRA ...

Task 1: step by step (h)

H. National Information for FRA 2005 Global Tables

- Based on the above results of the transformation process, the calibrated and estimated national data for the three reference years (1990, 2000, 2005) should be classified proportionately into global classes. (example table is following)

Task 1: step by step (h) - cont.

H. National Information for FRA 2005 Global Tables

FRA 2005 classes	Extent in 1000 ha		
	1990	2000	2005
Forest	27062	27224	27305
O W Land	1890	1817	1781
Other Land with Tree Cover	1086	1056	1040
Other Land	11125	11066	11037
<i>Total for country</i>	<i>41163</i>	<i>41163</i>	<i>41163</i>

Task 2: requested output

- A. Scope and relevance of the national reporting tables (all assigned tables)
- B. Comments and recommendations on reporting format (all assigned tables)
- C. Assessment of information availability and time series for reporting (“-”-)
- D. Other relevant issues, suggestions ... (e.g. reporting capacity, need for additional resources, etc)

Task 2: questions to answer (a)

- A. Comments and conclusions on scope and relevance of the national reporting tables for countries, as well as international reporting (assigned tables):

1. Does the scope of the table comply with the rationale ?
2. Is the national(global table useful for other International Reporting Processes
3. Does the table meet national reporting needs ?

Task 2: provide comments (b)

B. Comments and recommendations on reporting format (classifications and definitions) used (assigned tables)

1. Comments on global classification system
2. Comments on global definitions
3. Comments on proposed reporting template

Task 2: data availability & quality (c)

C. Assessment of information availability and time series for each reporting table, and quality of data (assigned tables)

1. Availability of national data for Reporting Table
2. Availability of sub-national data (including partial data)
3. Availability of regional data (group of countries)
4. Availability of time series (1990, 2000)
5. Data quality (High /Medium /Low)

To name countries that will be able to report on the corresponding global table (if no, why?)

Task 2: issues, suggestions (d)

D. Other relevant issues, suggestions ... (e.g. reporting capacity, need for additional resources, etc)

To formulate and record accurately..., be constructive ..., take into account realities..., focus successful FRA 2005 implementation

Documentation of findings

➤ **Template 1:** set of tables (“step by step”) to be completed by the working group to come to the National Reporting Table 1 “Extent of Forests (will be available in working groups)

➤ **Template 2:** table for the assigned National Reporting Tables Review; to be filled in for each National Reporting Table (will be available in working groups)

Presentation of findings at plenary

❖ Synthesis of all working groups’ outputs (2 templates) are expected to be done tonight (evening), and presented at plenary (tomorrow)

This GW exercise is a great opportunity for clarification and final improvements in the global FRA 2005 documentation

Background documents

- Draft FRA 2005 Terms and Definitions
- Draft National Reporting Tables
- Draft Guidelines for Country Reporting
- FRA 2005 Pilot Studies

- + any relevant national data/ information (e.g. NFI results)