

[Expert Consultation on Global Forest Resource Assessment: Towards FRA 2010](#)
Kotka, Finland 12-16 June 2006 – FAO/METLA/UNCE

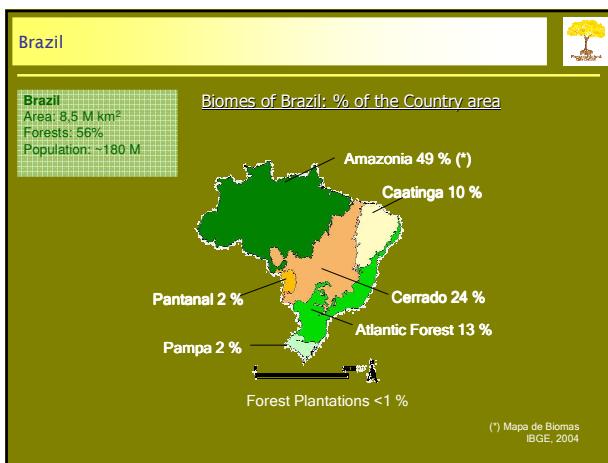
Experiences with FRA 2005 B R A Z I L

Joberto Veloso de Freitas, PhD
National Forest Programme (NFP)
Ministry of Environment
Brasília - Brazil

Contents



1. Past experiences with FRA
2. Experiences with FRA2005
 - Institutional arrangement and approaches
 - Results
 - Difficulties/constraints
3. The Future..



FRA: Past experiences



- Estimates based on available (scattered) surveys
 - Secondary data; regional inventories;
 - Work done by consultants
 - Low participation of the government
 - Low participation of the academy
 - Estimates were based on States
-

Experiences with FRA 2005

- Institutional arrangement
 - National workshops (Jul 2004; Mar 2005)
 - Universities, Research Institutions, Government, Ongs
 - 13 people of 10 institutions
 - National workgroup and sub-groups per table(s)
 - Occasional meetings to produce the information
- New approach for forest area estimates
 - Vegetation map as the unique source (IBGE, 2004) (GIS) ➔
 - Estimates for biomes
- Projections (FRA years) based on available deforestation rates
- Biomass stock and Carbon reserves
 - Based on studies for each biome and forest type
 - Equations fitted by Brazilian researchers

Results (Table1)



Biomes of Brazil: Extent of forest (% of biome)

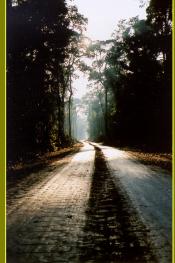
Difficulties/Constraints

- Lack of a regular national inventory
- Vegetation map scale: 1:5.000.000
- Surveys in different occasions: projections for 2000
- Most recent is 2000 (Amazon region)
- Recent deforestation rates not available for some regions
- 2 Tables not reported
 - T2 : Ownership of forest land and wooded land
 - T15: Employment in forestry sector
- FAO's forest definition too wide



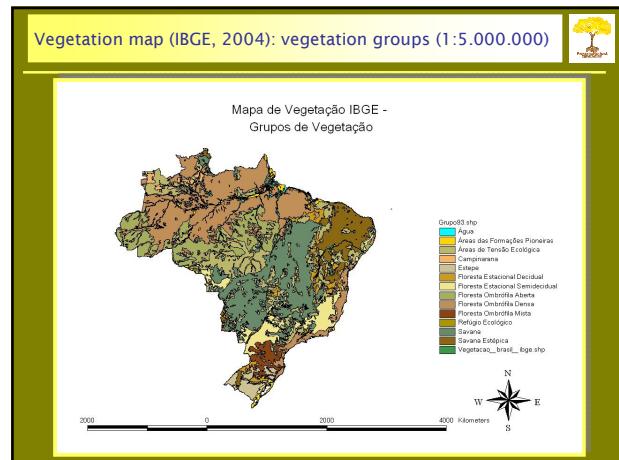
The Future

- National Forest Assessment
 - Regularly and Periodically
 - By the Government!
- In progress
 - Mapping of the native forests (remnants)
 - Ministry of Environment, Dec 2006
 - 1:250.000
 - Project for the National Forest Inventory
- GOOD NEWS:**
 - Brazilian Forest Service (SFB) created (Law of March 2006)
 - Responsibilities (Decree of May 2006) include:
 - National Forest Information System
 - National Forest Inventory



Kiitos
Thank You
Gracias
Merci
Obrigado.

joberto.freitas@mma.gov.br
www.mma.gov.br/pnf

Area of forest types / vegetation group

Áreas por Biomas (Km ²) (1) (2)			
BIOMA AMAZÔNIA AREA = 4.196.942,4619 Km ² (49,29 %)			
Tipos de Vegetação	Legenda	Área Remanescente	Área Antropizada
Floresta Ombrófila Densa	D Da Dc Ds Dm	331.672,82 - - - 37.532,75	1.770.130,70 2.101.803,52
Floresta Ombrófila Aberta	A Aa Ab As	159.021,60 59.855,22 354.395,84 388.525,20	801.179,26 159.021,60 960.200,85
Floresta Estacional Semidecidual	F Fa Fb Fs	54.360,39 1.095,59 1.931,84 10.766,36	13.793,79 54.360,39 68.154,18

National x FRA Categories

National Categories	Definition
Forests	Closed Forest (Da+Db+Ds+Dm) * Open Forest (Aa+Ab+As) Mixed Forest (Mm+Ml) Semi deciduous Forest (Fa+Fb+Fs+Fm) Deciduous Forest (Cb+Cs+Cm) Campinarana (Ld+La) Cerradão and open Cerrado (Sd+Sa) Closed and open Caatinga (Td+Ta) Open Steppe (Ea) Restinga and Mangrove (Pm+Pf) Remaining Vegetation in ecotones (OM+ON+NP+LO+SO+SN+ST+SP+TN+EN+STN) Secondary vegetation in forestry areas Forest plantations
Other lands	Disturbed Forest areas (D+A+M+F+C+P) Disturbed field areas (S+T+E) Remaining field vegetation ((Lb+Lg)+Sp+Sg+Tp+Tg+Ep+Ea+Pz+Rm+r) Disturbed ecotones (OM.a +ON.a +NM.a+ SO.a+ SM.a+ SN.a+ ST.a+ TN.a+EM.a+EN.a+STN.a)