

Brazil - National Forest Inventory, 2013

Brazilian Forest Service

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Identification

SURVEY ID NUMBER

BRA_2013_NFI_v01_EN_M_v01_A_OCS

TITLE

National Forest Inventory, 2013

COUNTRY

Name	Country code
Brazil	BRA

SERIES INFORMATION

A sample unit is re-measured every 5 years.

ABSTRACT

The national forest inventory (NFI) is an action coordinated by the Brazilian Forest Service, which aims at the production of strategic information on forest resources in the country. The NFI is based on the collection of data in sample units distributed every 20 km throughout the Brazilian territory - or in shorter distances, depending on the specific interest of each region. Each sample unit must be visited by a trained team, which collects data on forest resources, such as diameter and height of the trees, collection of botanical material and soil samples, biological diversity, health and vitality of forests, stock. In addition, social-environmental functions are investigated through interviews with residents of the rural environment, allowing us to know about the uses of products and services of forests and their contribution to the family income.

KIND OF DATA

Maltese cross-shaped conglomerate

UNIT OF ANALYSIS

Plants

Scope

NOTES

Biological diversity of forest resources;
Forest health and vitality;
Forest stocks;
Social and environmental functions of forests;
Use of products and services from forests;
Contribution of forest products to family income;
Knowledge about environmental agencies and public policies;
Engagement in the protection and conservation of forests;
Perceptions about climate change.

TOPICS

Topic
Forest study, environmental study, forest inventory, biomass and carbon stock, and socio-environmental study of forest uses.

Coverage

UNIVERSE

Communities living near forests and people that potentially use forest resources.

Producers and sponsors

PRIMARY INVESTIGATORS

Name
Brazilian Forest Service

PRODUCERS

Name	Role
Brazilian Agricultural Research Corporation	staff training, technical consults for creating and improving the NFI methodologies, soil samples storage

FUNDING AGENCY/SPONSOR

Name	Abbreviation
Global Environment Facility	GEF
Brazilian Federal Government	
Inter-American Development Bank	BID

Sampling

SAMPLING PROCEDURE

The NFI standard grid consists of points equidistant at 20 km, called the 20 km x 20 km national standard grid. The densification of the grid may be necessary for special applications, e.g., in Brazil's protected areas, as a National Forest. These densifications can be 10 km x 10 km (level 2), 5 km x 5 km (level 3), and so on until 0,625 km x 0,625 km (level 6). A conglomerate is installed on each point of the National Grid of Sampling Points (GNPA). The conglomerate is shaped like the Maltese Cross, consisting of four rectangular subunits of fixed area, perpendicularly positioned and oriented towards the cardinal points and numbered from 1 to 4.

The size of the subunit is related to the characteristics of existing forests in Brazilian biomes. The Biomes 'Atlantic Forest', 'Cerrado', 'Caatinga', 'Pantanal' and 'Pampas' present subunits of 1,000 m² (20 m x 50 m); The Biome Amazon present subunits of 2,000 m² (20 m x 100 m). Each of these sub-units is subdivided into 10 m x 10 m subplots.

The interviews is carried out with residents living near the conglomerates. Up to four interviews is conducted within a radius of 10 km from the central point of the conglomerate.

WEIGHTING

Weights are not applied.

Data Collection

DATES OF DATA COLLECTION

Start
2013

DATA COLLECTION MODE

Face-to-face paper [f2f]

Access policy

CONTACTS

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CONFIDENTIALITY

See <https://snif.florestal.gov.br/en/accessibility>

ACCESS CONDITIONS

See <https://snif.florestal.gov.br/en/accessibility>

CITATION REQUIREMENTS

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Metadata production

DDI DOCUMENT ID

DDI_BRA_2013_NFI_v01_EN_M_v01_A_OCS_FAO

PRODUCERS

Name	Abbreviation	Affiliation	Role
Office of Chief Statistician	OCS	Food and Agriculture Organization	Metadata adapted for FAM
Javier GarciaPerez		Food and Agriculture Organization	Metadata producer

Data Dictionary

Data file	Cases	Variables
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