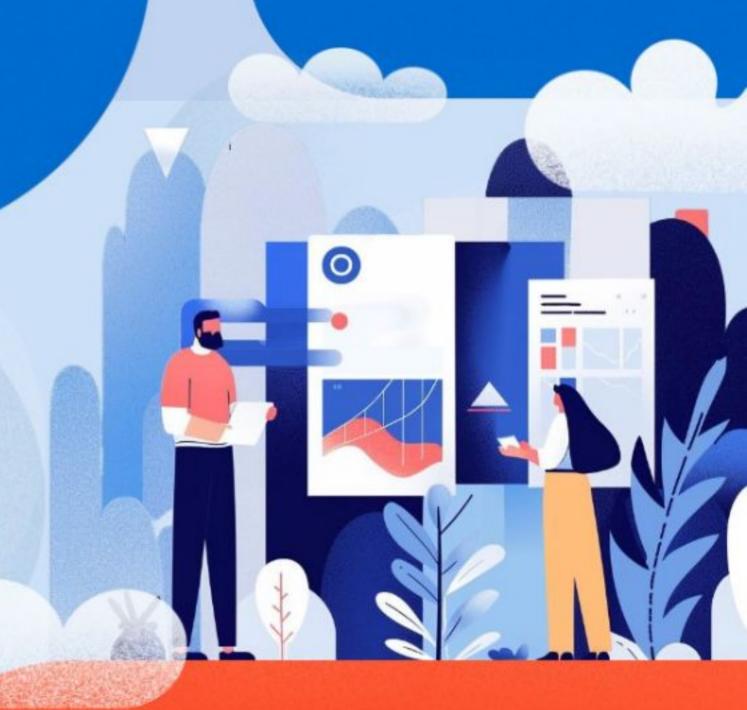


National GHG Inventory Preparation and Reporting under the ETF, considering fundamental principles, methodologies and reporting requirements outlined in IPCC 2006 guidelines for the FOLU sector





Outline

- Overview of the Modalities, Procedures, and Guidelines
- How FAO support the FOLU sector to comply with Enhanced Transparency Framework
- Courses and Tools available
- Communication and partners



MPGs

Transparency, accuracy, completeness, consistency, and comparabilit



a) Building on and enhancing the transparency arrangements under the Convention, recognizing the special circumstances of the least developed countries (LDCs) and small island developing States (SIDS), and implementing the transparency framework in a facilitative, non-intrusive, non-punitive manner, respecting national sovereignty and avoiding placing undue burden on Parties



b) Facilitating improved reporting and transparency over time



 Providing flexibility to those developing country Parties that need it in the lightof their capacities



 d) Promoting transparency, accuracy, completeness, consistency and comparability



 Avoiding duplication of work and undue burden on Parties and the secretariat



f) Ensuring that Parties maintain at least the frequency and quality of reporting in accordance with their respective obligations under the Convention



g) Ensuring that double counting is avoided



18/CMA.1 AS.II National inventory report of anthropogenic emissions by sources and removals by sinks of greenhouse gases (stand alone or as part of BTR)

Definitions

National Circumstances and institutional arrangements

Methods

Metrics

Reporting guidance

Biennial transparency report (BTR):

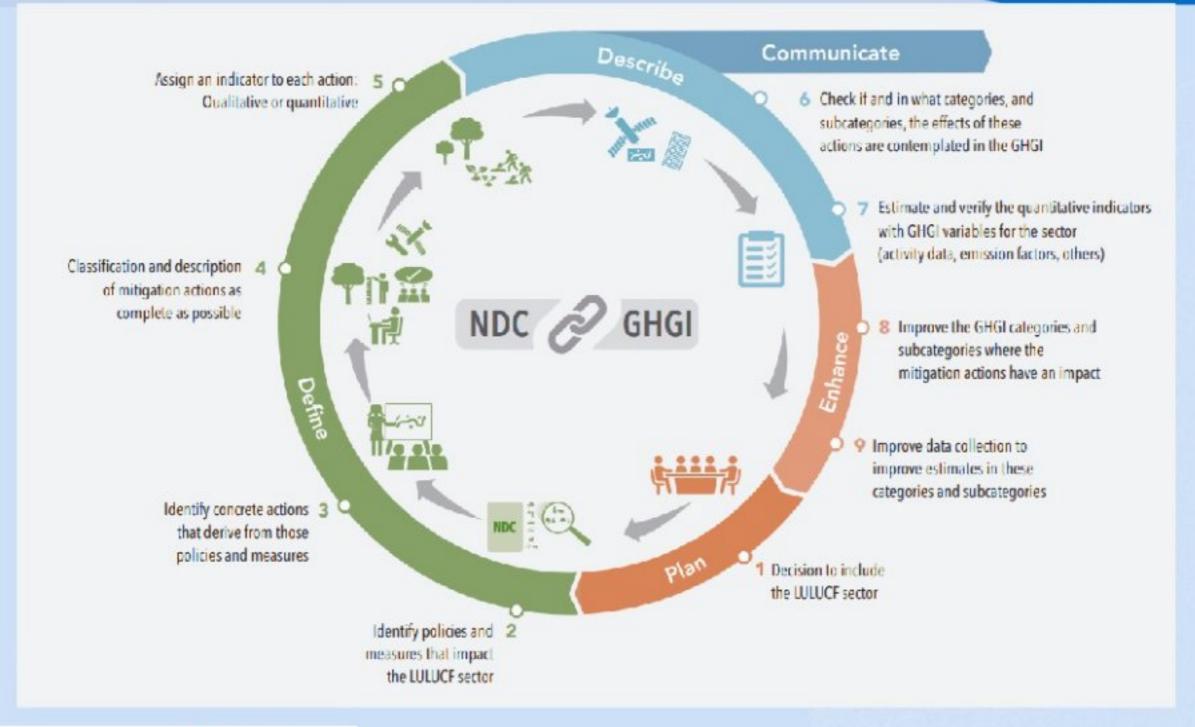
Main changes consist in ensuring completeness and accuracy of the information reported in the GHG inventory, and in tracking progress and reporting on the implementation and achievement of the NDC.

The ETF builds on the existing MRV framework and enhances it. Any institutional arrangements, processes and capacities – e.g. establishing a transparency system for the implementation of the MPGs requirements at national level.

O/CNAN 1 (NAS-delities Descendences and Conidelines (NADCC) for the ETT)

MPGs

Requirements of the FOLU sector for the ETF











Support on the ETF and the FOLU sector

Building capacities on forest data transparency to foster:

- Stakeholder engagement: Transparent forest data empowers governments, academia, NGOs, private sector, local communities, international organizations, ensuring their participation in decisionmaking and protecting their interests.
- Climate action: Accessible forest monitoring data will support climate change mitigation and adaptation efforts.
- Attracting investments: Transparency attracts sustainable investors, stimulating economic growth in forest-dependent regions.
- Research and innovation advancement: Open data fosters scientific innovation in ecology and biodiversity conservation.
- Effective policy: Transparent forest data enhances policymaking, ensuring decisions are evidence-based and targeted for maximum impact.
- International collaboration: Transparency promotes global cooperation on issues like forest management and biodiversity conservation.



CBIT-Forest 1

Capacity-building Initiative for Transparency (CBIT)





Self-paced course

'Forest and transparency under the Paris
Agreement' available in English, Spanish,
French, Chinese, Russian, and Arabic with
digital badge certification!

Promotional video!

National forest inventory eLearning series, with digital badge available here

Case studies

Six case studies available in English, Spanish and French. They detailed successful transparency-related activities in Bangladesh, Chile, Costa Rica, the Democratic Republic of the Congo, Ghana and Papua New Guinea.

Check here



MOOC experience

Three editions of the massive open online course (MOOC) available as self-paced course 'Sharing the Experience of the multilingual MOOC on Forests and Transparency under the Paris Agreement' in English, French and Spanish (with digital badge certification).

Learn more here

Forest monitoring and data dissemination

Global: FRA platform and FAM catalogue

Regional: NFI LAC book (EN, ES)

National: pilot countries; NFMS

assessment tool

(excel, info brief, quick guidance)

Webinar series

Sharing knowledge related to open and transparent forest data



Blog posts

Improving women's access to forest monitoring

Sharing knowledge to empower women and youth on forest climate transparency

Are you interested? Follow our <u>News</u>



What lessons can forest monitoring practitioners learn from open data?



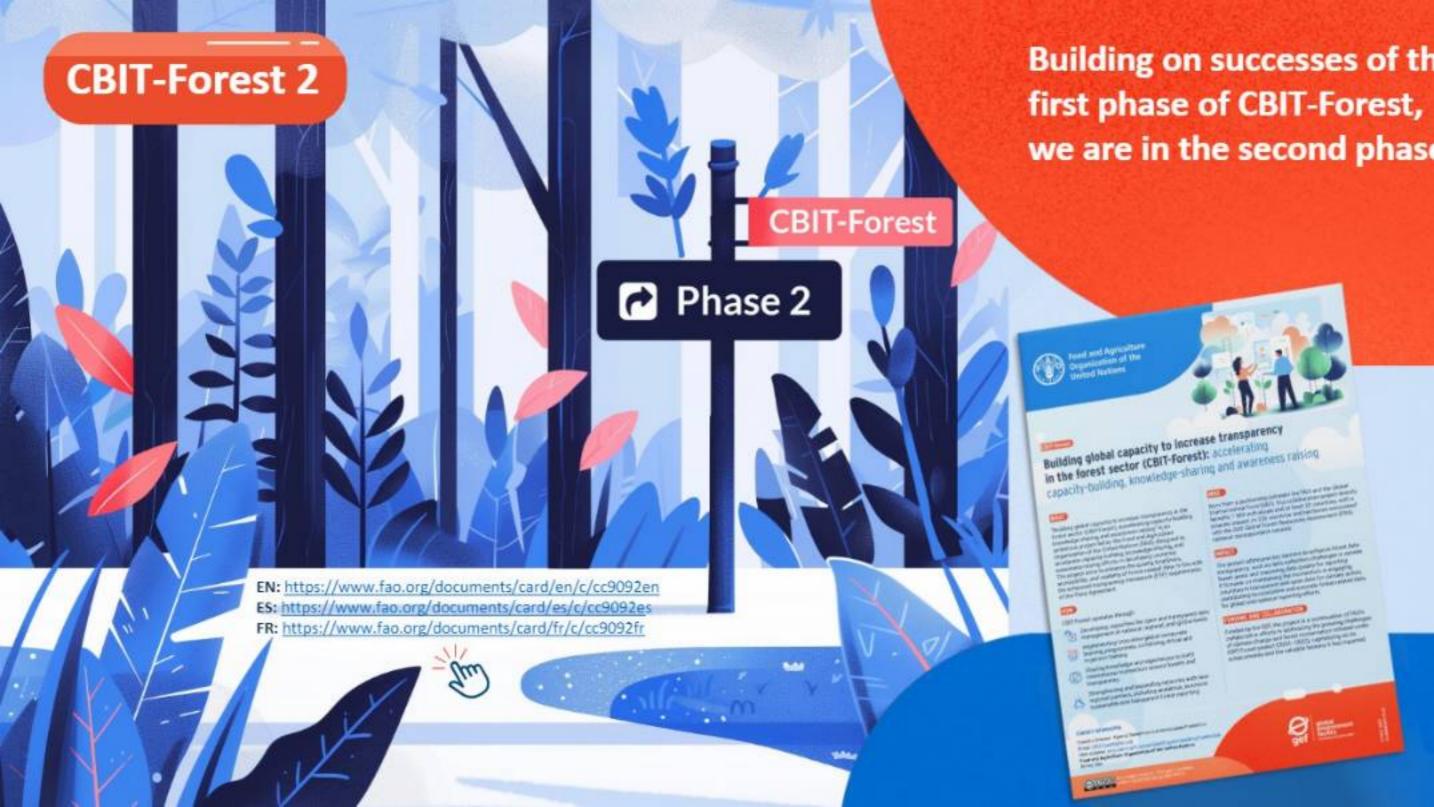
Sharing openly can provide valuable time to build climate resilience

Climate policies need up-to-date and integrated information 3
Public money
means public
information

4 Overcoming obstacles to sharing Lack of an initial data-hosting infrastructure could be a deterrent to open data

Lessons learnt in Spanish (ES)

6
Institutional,
forests and legal
expertise



CBIT-Forest 2



Objective: Developing countries have enhanced capacity, knowledge and awareness on forest-related data collection, analysis and dissemination to meet the enhanced transparency requirements of the Paris Agreement.

The main components include:



Boosting institutional capacity



Increasing technical capacity



Sharing knowledge

TARGET GROUPS

The project directly benefited at least 20 targeted countries and more broadly some 236 countries and territories that are part of the global network of National Correspondents for the Global Forest Resources Assessment (FRA).



236 countries and territories



Global scope



3 years (2024-2026)



GEF (USD 2.0 million); FAO (USD 5.2 million)

Activities

Levels



GLOBAL

Open data platforms and virtual knowledge



REGIONAL

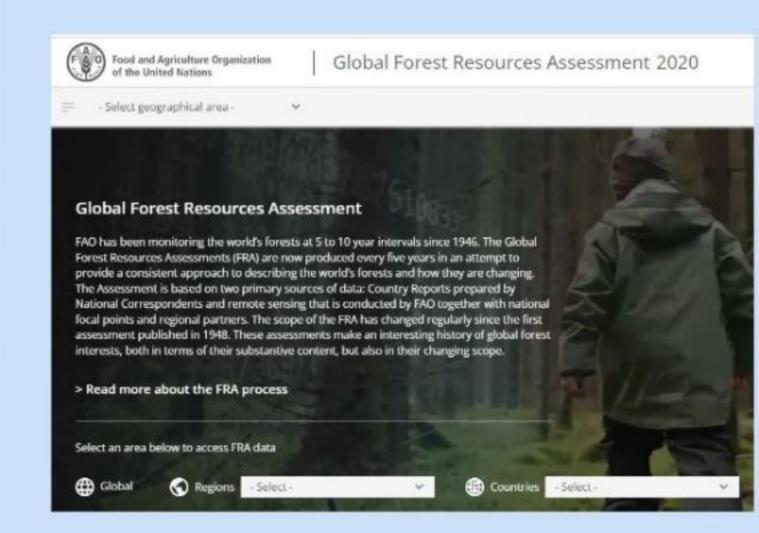
Connecting regional forest actors



NATIONAL

Open and transparent forest data

Global Forest Resources Assessment 2020



Activities

Levels



GLOBAL

Open data platforms and virtual knowledge



REGIONAL

Connecting regional forest actors



NATIONAL

Open and transparent forest data

National Forest inventories in Latin America



Activities

Levels



GLOBAL

Open data platforms and virtual knowledge



REGIONAL

Connecting regional forest actors



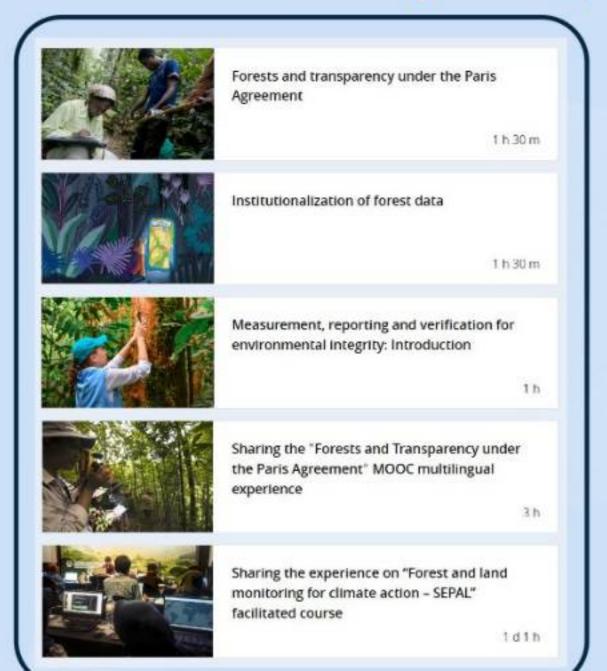
NATIONAL

Open and transparent forest data



Courses

Course series: The 'Forest monitoring for climate action' curriculum aims to strengthen institutional and technical capacities, to meet the MRV requirements, and the ETF requisites







Enlace a las series:

https://elearning.fao.org/course
/view.php?id=1000

Throughout the courses, which can be followed independently references are made to specific courses or lessons where certain topics are covered more extensively. Each course take the learner step-by-step through realistic scenarios, and it is supplemented by exercises and links to additional material an websites for further reading.

Courses with certificates with digital badges

Courses

Other complementary courses



- Transparency under the Paris Agreement. A pocket guide for young people and beginners
- Biennial transparency report (BTR) guidance and roadmap tool, a series of questions that helps countries to generate a country-driven roadmap to prepare the BTR. It has been developed in collaboration with PATPA.
- <u>Transparency Readiness Navigator</u>, a tool to distillate the modalities, procedures and guidelines (MPGs)
 requirements for the national GHG inventory and to provide and assessment at global and regional levels on the
 readiness of countries in addressing them.
- Archiving guidance for a national greenhouse gas inventory, a step-by-step guidance that helps countries define
 the structure and procedures for the archiving system, preventing the loss of information and facilitating the
 preparation of future GHG inventories.
- Greenhouse Gas Data Management (GHG-DM) tool, an excel-based package to compile the metadata of the
 activity data and parameters for all reporting sectors. Each excel file contains a comprehensive list of data and
 parameters (Tier 1 and 2) to estimate all emissions and removals.
- E-learning courses for national GHG inventories series, a collection of freely available 24/7 e-learning courses on national GHG inventories for agriculture and LULUCF following the 2006 IPCC guidelines. The courses offer certification, and they are:
 - Preparing a greenhouse gas inventory under the Enhanced Transparency Framework (EN, SP, FR)
 - The national greenhouse gas inventory (NGHGI) for agriculture (EN, SP)
 - Estimating methane emissions from enteric fermentation using Tier 2 method- (EN, SP, FR)
 - The national greenhouse gas inventory (NGHGI) for land use (EN)
 - Assessing uncertainties in the national greenhouse gas inventory: a focus on land use (EN, FR)

NFMS assessment tool

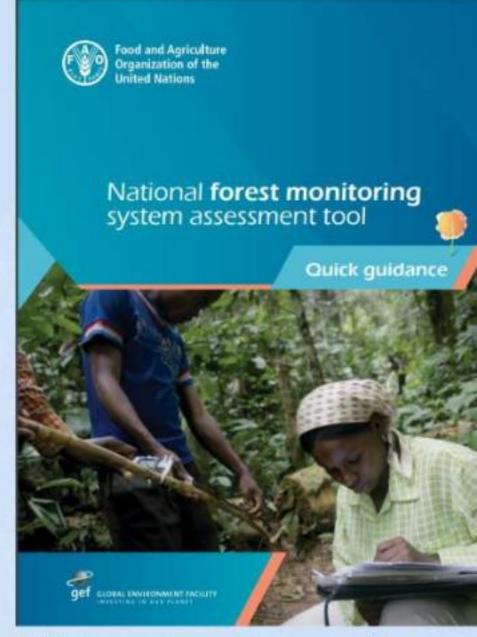


Support countries with performing thorough capacity assessments of forest monitoring across three critical dimensions:

- 1. institutional arrangements,
- 2. measurement and estimation
- 3. reporting and verification.

This tool also analyze the legal gaps and can be used to identify the country needs to operatized the National Forest Monitoring Systems (NFMS)

This tool draws its foundation from the <u>Voluntary guidelines on</u> <u>national forest monitoring</u> of the Food and Agriculture Organization of the United Nations (FAO), incorporates the resources of the <u>REDDcompass</u> from the <u>Global Forest Observations</u> <u>Initiative</u> (GFOI), and leverages FAO's wealth of field experience in forest monitoring across diverse national contexts.



Free access Excel tool available in Arab, Chinese, English, French, Russian, and Spanish

For more info

Food and Agriculture Microdata (FAM) Catalogue





Forest Inventory Data

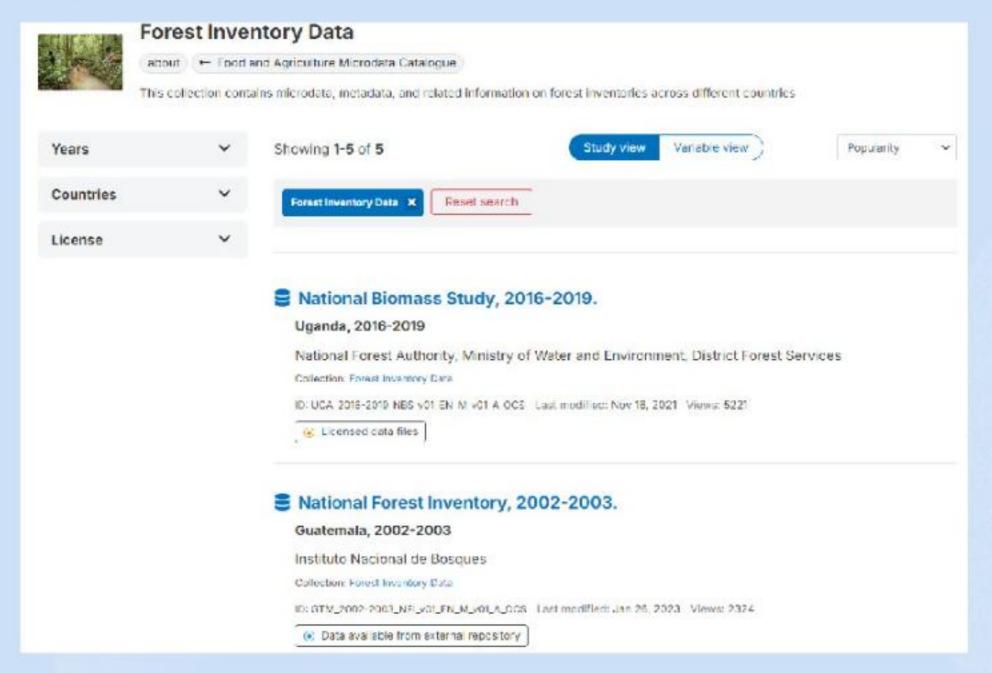
Provides an inventory of datasets collected through farm and household surveys which contain information related to agriculture, forests, food security, and nutrition.

The <u>FAM</u> catalogue is populated by datasets which are collected directly by FAO and datasets whose collection are supported in some way by FAO.

FAM is continuously updated as new datasets from FAO and its Members become available. Organizations which collect relevant data are also highly encouraged to submit datasets for dissemination through FAM.

Food and Agriculture Microdata (FAM) Catalogue





Enhance of the Data transparency of National Forest Inventories

Brazil
Guatemala
Mexico
Uganda
Lao People's Democratic Republic

Supports countries' open data policy, highlighting that transparent data systems empower public policy makers Essential for formulating effective forest management and conservation strategies, contributing to climate change mitigation and compliance with the ETF.

OpenForis Initiative



Free and open source tools and methods for data collection, analysis and reporting

Integrated Solutions

Field Data Collection



Ground
Simple, intuitive, and versatile map-first data collection mobile application



Arena Mobile

The fast, new generation data collection tool works with Arena and runs on Android and iOS devices



Collect
Easy and fexible survey design and data
maragement





Arena
Online platform for survey design, data
management, utilization and processing



Whisp

Visual Interpretation



Collect Earth

Augmented visual interpretation tool for land
monitoring



Collect Earth Online
Custom built, open-source, high resolution
satellite image viewing and interpretation system

System for earth observation data access processing analysis for land monitoring

Geospatial Analysis



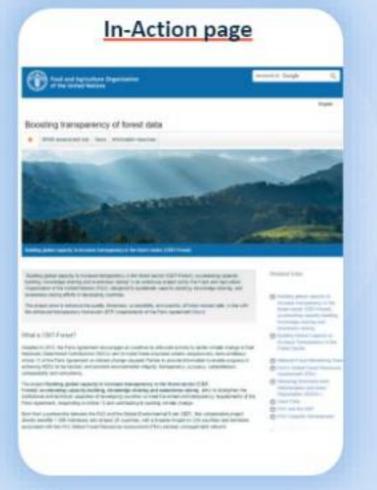
Earth Map
The power of Google Earth Engine without coding.
A user friendly tool for complex and monitoring

Communication



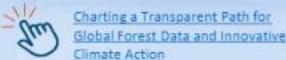
Communications and knowledge to raise awareness of the importance of data collection, analysis and dissemination for transparency in the forestry sector.













https://www.fao.org/inaction/boosting-transparency-forestdata/en/





Partnerships

Collaborations











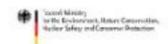














Other FAO partners

















Statistic Division (ESS) The Office of Climate Change, Biodiversity and Environment (OCB)

















Check our web page:

https://www.fao.org/in-action/boosting-transparency-forest-data/en/



Check our E-learning series:

Forest monitoring for climate action

