



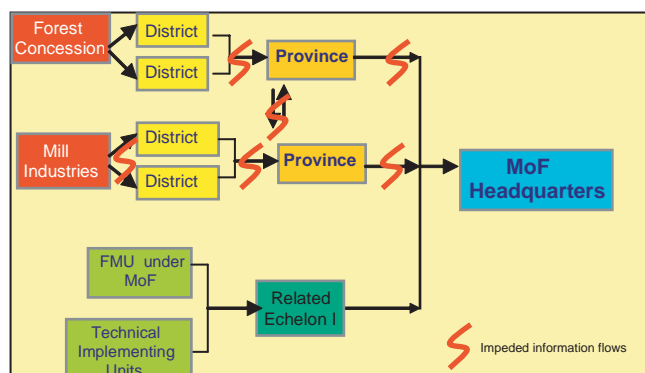
INDONESIA'S FOREST MONITORING AND ASSESSMENT SYSTEM (FOMAS)

Forest resource monitoring and assessment is a strategic activity that needs to be undertaken to effectively implement sustainable forest management.

Nation wide forest resource monitoring and assessment has been undertaken periodically by the Ministry of Forestry since 1986 through a project called the National Forest Inventory (NFI). This project came to an end in 1997 and a new initiative, known as FOMAS, has taken its place.

INFORMATION REQUIREMENTS AND CONSTRAINTS

Forest data and information needs to be continuously updated, systematically archived and made available to decision makers and the general public in a timely manner. These requirements are currently constrained by a lack of technical capacity and knowledge. Regional autonomy has also impeded information flows between regional forestry offices, companies and the Ministry of Forestry.



Making up-to-date, accurate and reliable information available to the general public is also complicated. What data should be released? How should it be released? These are questions that need to be answered. A disclosure policy needs to be developed to answer these questions and to provide clear guidelines to Ministry of Forestry officials about their obligation to disclose forest sector information.

FOMAS LAUNCHED

Following an extensive multi-stakeholder consultation process, the Indonesian Ministry of Forestry (MoF) launched a forest sector transparency initiative known as FOMAS in early 2006. This initiative aimed to fill the gap previously filled by the Ministry of Forestry's National Forest Inventory.

AIM

FOMAS aims to establish the conditions for transparency in the forest sector by making relevant, reliable, accurate and up-to-date forest sector information continuously available to decision makers and the general public.

APPROACH

The Ministry of Forestry's Forest Monitoring and Assessment System is implemented by the Ministry of Forestry and supported by a consortium of organizations (including the World Bank, the World Resources Institute, Sekala, Forest Watch Indonesia, EU FLEGT and South Dakota State University) who collectively seek to improve forest governance by feeding accurate and reliable information to the decision makers and the general public.

CORE COMPONENTS

The core components of FOMAS are:

- An **information management process** that generates and archives reliable, accurate and up-to-date information on Indonesia's forest and timber resources.
- A **comprehensive disclosure policy** that clearly articulates what information can be publicly disclosed.
- **Effective disclosure mechanisms** that allow multiple stakeholders to access reliable, accurate and up-to-date information on Indonesia's timber and forest resources.
- An **improved decision-making process** designed to use up-to-date and accurate forest sector information within daily operations in the Ministry of Forestry.

PROGRESS

Data on legal forest licenses digitized and improved

A ground-breaking Ministry of Forestry-NGO partnership has been formed to collect, digitize and improve data on the legal boundaries of active large-scale concessions, timber plantations, tree crop plantations and national parks.

Geographic information database on legal forest licenses established

The Ministry of Forestry-NGO consortium is establishing a geographic information database to systematically archive the maps and licenses of large-scale forest concessions and plantations and other spatial forest sector information.

Recent forest change data analyzed

Ministry of Forestry staff are working

together with leading US remote sensing experts to develop methodologies that can be used to produce up-to-date forest change maps for Indonesia's entire forest estate.

Experiences shared with Brazil

Ministry of Forestry staff visited Brazil to learn how Brazil's forest monitoring system was established and to share experiences about the implementation of such a system. Further exchange visits are planned to promote cooperation and collaboration between the two countries.

Data sharing protocols established

Ministry of Forestry staff have developed and piloted data sharing protocols that can facilitate efficient data exchange between and among forestry offices located throughout the

archipelago.

Disclosure policy concept developed




A disclosure policy is being developed to facilitate systematic disclosure of key forest sector data to the general public. Guidelines will also be developed to assist Ministry of Forestry staff to systematically disclose information and to inform the general public how they can go about requesting information.

Together, the above initiatives are expected to allow the Indonesian Ministry of Forestry to monitor forest cover change and associated carbon emissions, improve forest governance, maximize Indonesia's forests for poverty reduction and improve credibility and trust in Indonesia's forest products.

Forest cover change in Indonesia (2000-2005)



Landscape classes

-  Natural forests
-  Other areas
-  No data (clouds) and inland waters

-  Forest cover change areas

MODIS analysis - SDSU/SUNY-ESF
Landsat analysis - SDSU/MoF
MODIS pre-processing - NASA/UMd/SDSU
Landsat data provision - USGS/GFW/UMd
Indonesia land cover - MoF

FUTURE DEVELOPMENT

The Ministry of Forestry plans to up-scale FOMAS over the next few years. This initiative will be known as the Ministry of Forestry's Forest Resource Information System (FRIS) and it will be prioritized by the Ministry of Forestry and included in its five policy priorities. A proposal for a larger forest monitoring and assessment system carried out under the auspices of FRIS is being developed and the Ministry of Forestry plans to move forward with this initiative in 2008 and beyond.



Centre of Forest Inventory and Mapping
Forest Planning Agency

Ministry of Forestry Republic of Indonesia
Mangala Wanabhakti Bld

1st Block 7th Floor

Jalan Gatot Subroto - Senayan
Jakarta - Indonesia - 10270

Phone: +62 21 5730335, +62 21 5730293

Contact person: Belinda Arunarwati

Email: belinda@dephut.go.id or

arunarwati@gmail.com