



# Project Overview

## Strengthening National Forest Inventory and Satellite Land Monitoring System in support of REDD+ in Bangladesh (GCP/BGD/058/USA)



### Project Context and Rationale

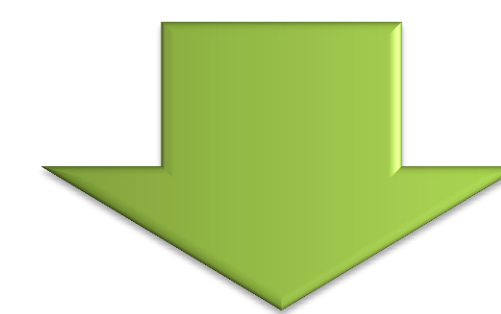
Reliable data on social, economic and environmental benefits are required for sustainable management of forests.



Establishing reliable estimates of ecosystem resources, consumption rates and economic potential is a complex process and data is lacking.



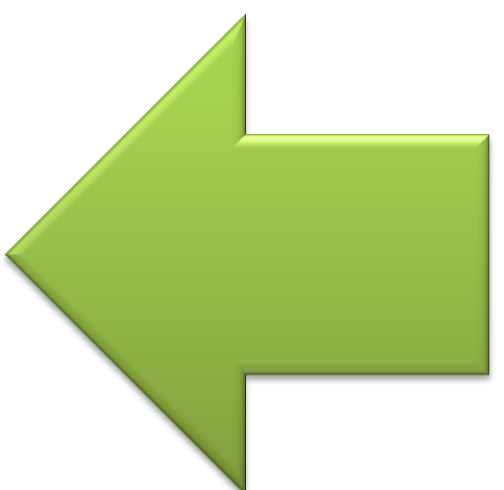
Awareness on the values of forests is low and unclear, so too is information related to their extent and their rate of change over time.



Results will be used to prepare the GHG inventory and report for international conventions via a transparent NFMS.



Results will assist policy actors and forest managers to answer to many important questions related to policy objectives.



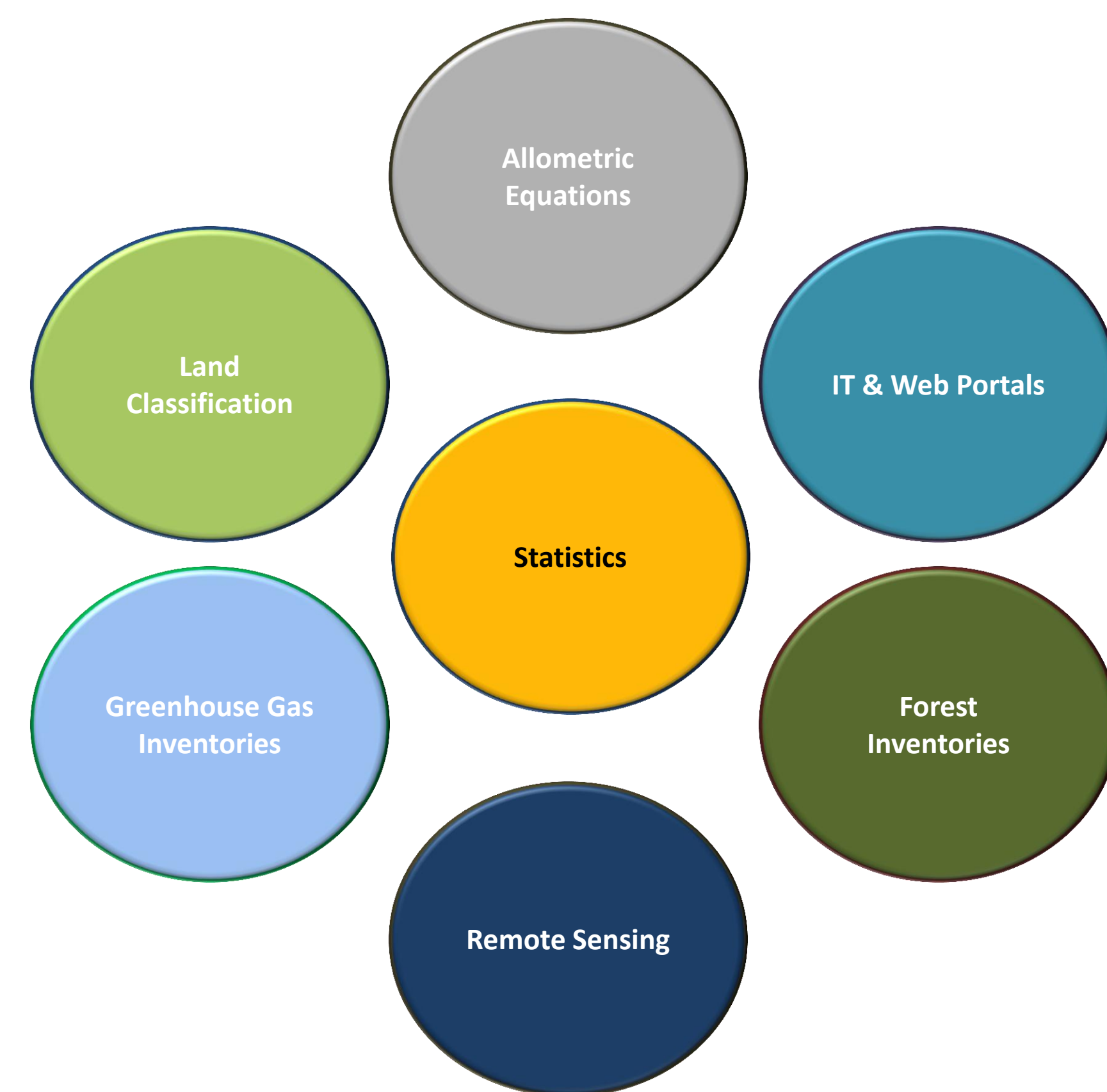
National Forest Inventory and Satellite Land Monitoring System are tools used to inform forest and natural resources related decisions

### Project Objectives

- ➔ Regular dissemination of accurate and transparent data related to forests and forest dependent livelihoods.
- ➔ Support to international agreements, national forest policy and land management decisions.
- ➔ Strengthening technical capacities of the Forest Department and contributing technical agencies.
- ➔ Sustainability of the system through the establishment of an appropriate institutional framework among academic institutions, relevant government agencies and civil society.

### Key Activities

- ➔ Reinforce national capacities related to forest inventory & satellite monitoring
- ➔ Establish a new NFI Unit within the Forest Department
- ➔ Support the development of a harmonised national land cover classification system and land use map legend.
- ➔ Development of a web based platform for data sharing among national stakeholders
- ➔ Develop NFI design and establish permanent inventory sample plots
- ➔ Design a remote sensing based methodology for Forest and Forest change detection
- ➔ Digitize forest boundary locations to strengthen land tenure issues
- ➔ Calculate uncertainty related to forest land area and biomass, prepare reports and disseminate results
- ➔ Estimate the value of forest ecosystem goods and services



Training modules implemented through the project

### Supporting a process



## Bangladesh Forest Inventory

A national process under the leadership of the Forest Department to assess and monitor national forest at regular time intervals.

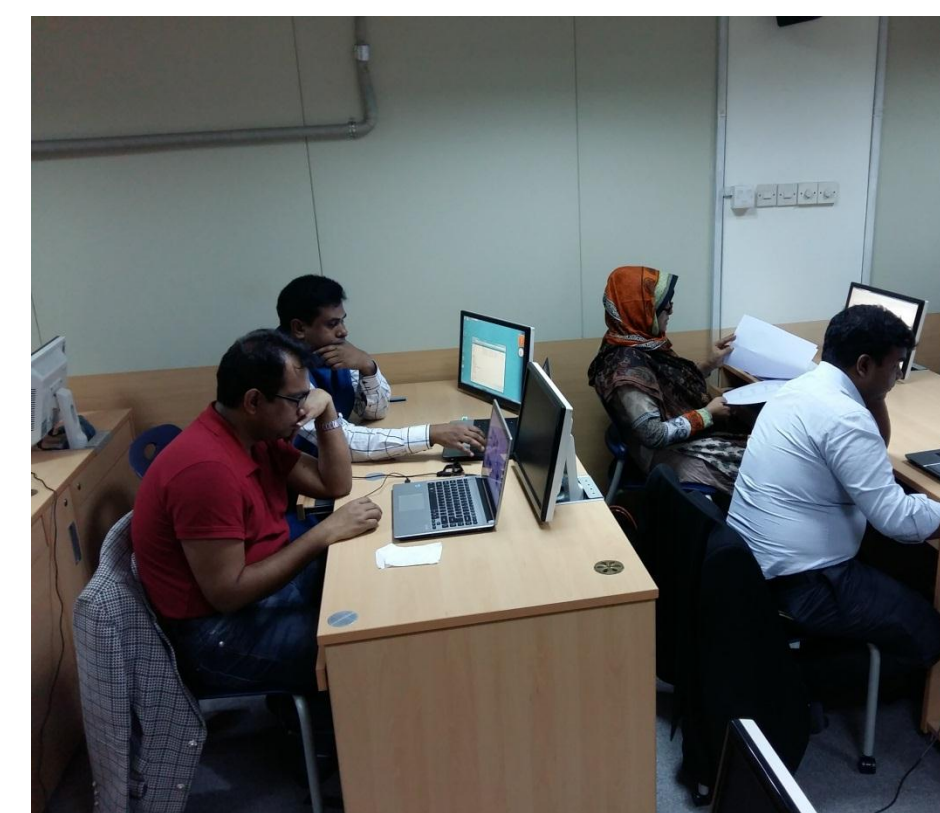
With financial support from USAID, FAO and its collaborative partners are supporting the Forest Department to implement the Bangladesh Forest Inventory (BFI). The process is a collaboration of numerous government, NGO, private and civil society partners. The outcome will be a government led BFI process allowing acquisition of robust and transparent estimates of trees and forest resources and forest carbon stock and stock changes well beyond the project cycle.



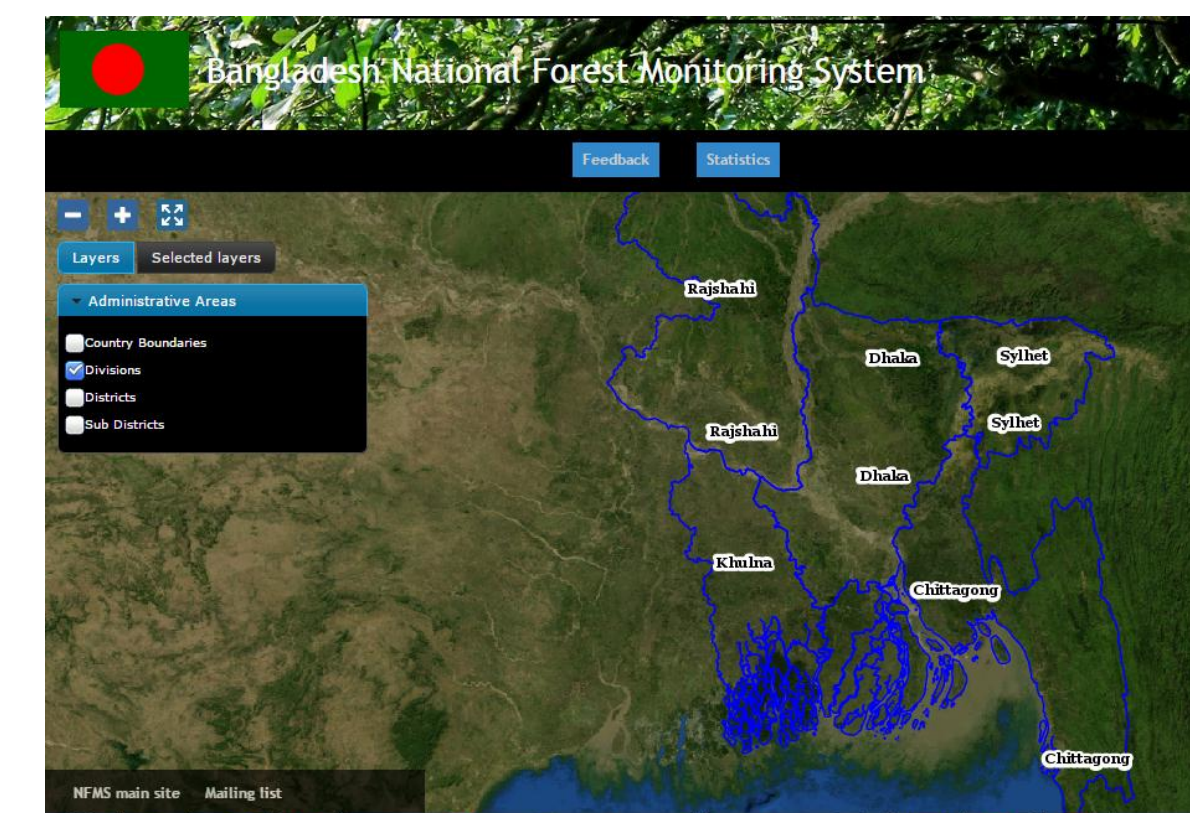
Field data are collected for the biophysical, socio-economic, biodiversity and wildlife parameters.



Satellite images are processed and analysed to measure forest change and characteristics



Data from the field are processed in coordination with remote sensing information to develop a complete picture of forest status.



Data from numerous sources are made available on a geopotat platform that will assist analysis and dissemination of information