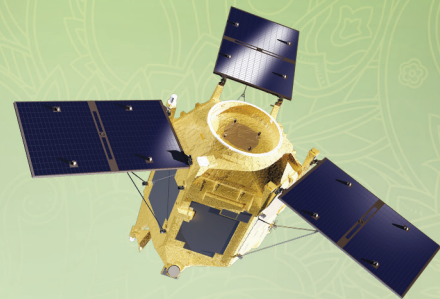


# The FOREST Consortium



Funded by



Improved Field Observations

REDD+

MRV



Fully Optimised and Reliable EmissionS Tool

# FOREST

An Integrated Service  
Tailored to the Needs of  
Sustainable Forest Management



Enhanced Identification  
Reduction of Uncertainty



FOREST provides a comprehensive offer and capacity building solutions for

- REDD+ (Baseline, reference emission level, monitoring, MRV)
- Inventory (national, forest concession, certification)
- Forest management, enhanced stocks
- Impact assessment (mining, oil & gas explorations, legal & illegal logging)

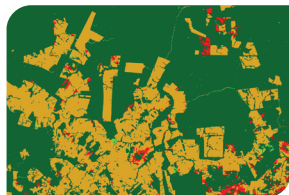
## Benchmark Maps



- Forest
- Grassy bare soil and pastures
- Cropland
- Settlements
- Water
- Wetlands
- Degraded forest and saplings
- Plantations

Detailed land cover classification information (following IPCC classes)

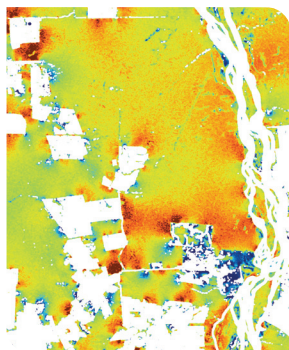
## Baseline Maps



- Non-Forest
- Forest
- Regeneration
- Deforestation

Classification of forest and non-forest territory and change monitoring

## Carbon Stock Maps

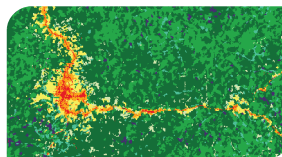


Aboveground Carbon stock mean

- 0.41 MgC/ha
- 0.67 MgC/ha
- 1.18 MgC/ha
- 2.09 MgC/ha
- 2.61 MgC/ha
- 3.00 MgC/ha

Spatial estimates of the five carbon pools required for Tier 3 REDD+ projects

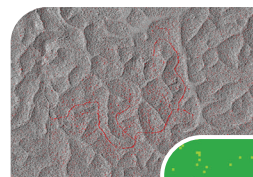
## Stratification Maps



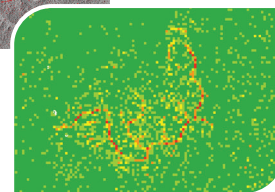
- Cropland
- Grassland - Shrubland
- Monodominant Gilbertiodendron
- Old growth forest
- Open forest
- Raphia
- Settlements
- Young secondary forest

Forest classification taking into account forest diversity

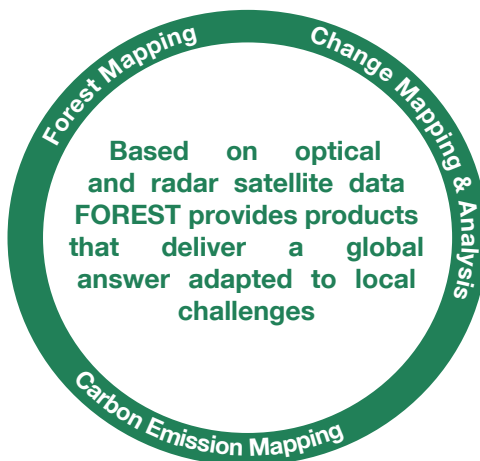
## Degradation Maps



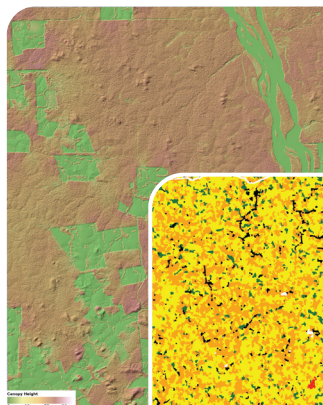
- Intensity of the forest canopy disturbance/ha
- None
  - Very low
  - Medium
  - High



Identification of selective logging to monitor forest degradation; changes aggregated to 1 ha MMU



## Structure Maps



Precise estimation of forest structure parameters (above ground biomass, canopy height) for carbon emission models for the Monitoring, Reporting and Verification of REDD+ programs/initiatives

Mean biomass

- Unclassified
- 231 Mg DM/ha
- 350 Mg DM/ha
- 380 Mg DM/ha
- 499 Mg DM/ha