



## Spatial data and sharing policies

Stichting voor Bosbeheer en Bostoezicht

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November 2018

**WE ZIJN HET BOS**



# Outline

- **Forest Cover Monitoring Unit**
- **Data collection and information production**
- **Data sharing**

# How did we start.....?



**Political Focal point**  
Ministry of Foreign Affairs



**Technical Focal point**  
Ministry of Spatial Planning, Land and  
Forest Management



**Project implementation**  
Foundation for Forest Management and  
Production Control

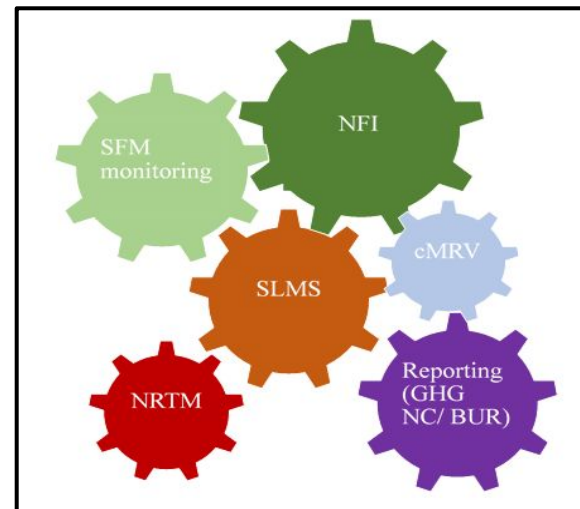
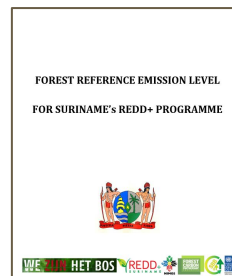
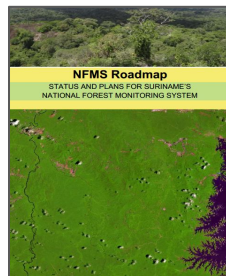
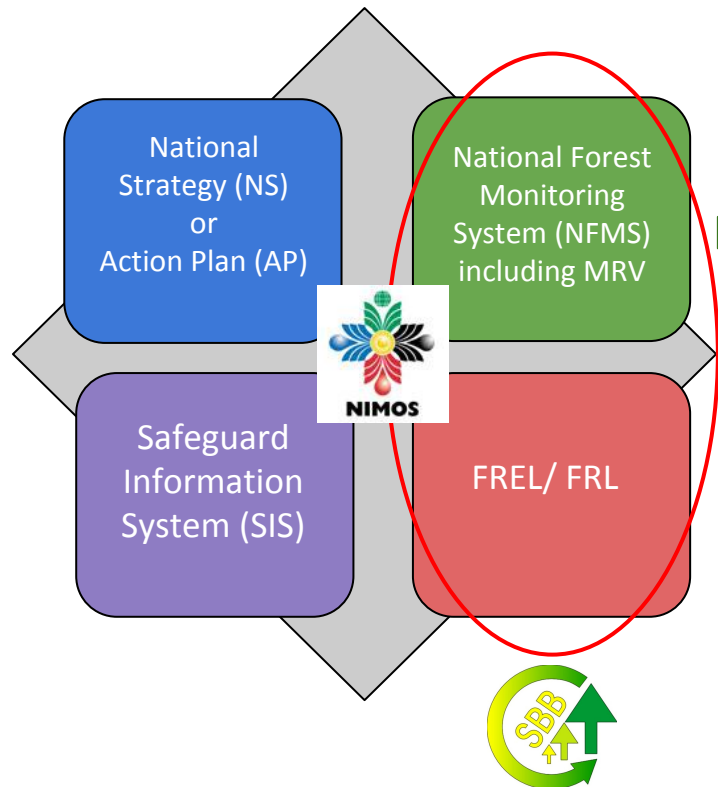
**Observation room of Suriname**  
Forest Cover Monitoring Unit (FCMU)



## **Overall Goal**

"To contribute to the strengthening of the National Forest Monitoring System (NFMS) by generating information about changes in forest cover for Suriname that is reliable, up-to-date, accessible, understandable and transparent, serving multiple purposes amongst others optimized policy, policy implementation (e.g. national land use planning, sustainable management of the forest, REDD+) and law enforcement in the field (e.g. gold mining, mangrove forest)."

## De 4 REDD+ elementen



- Transparante en actuele data
- Instrumenten ter ondersteuning duurzaam bosbeheer en effectieve controle
- Input voor het REDD+ financieringsmechanisme

With satellite imagery land cover information is produced.

**1. Deforestation monitoring**

- a. Imagery: Landsat and Sentinel 2A
- b. Validation: Field data and QaQc
- c. Update: yearly

**2. Post - deforestation Land Use Land Cover**

- a. Imagery: Sentinel 2A, Bing, Google
- b. Validation: Stakeholders, field visits, work sessions
- c. Update: biennial

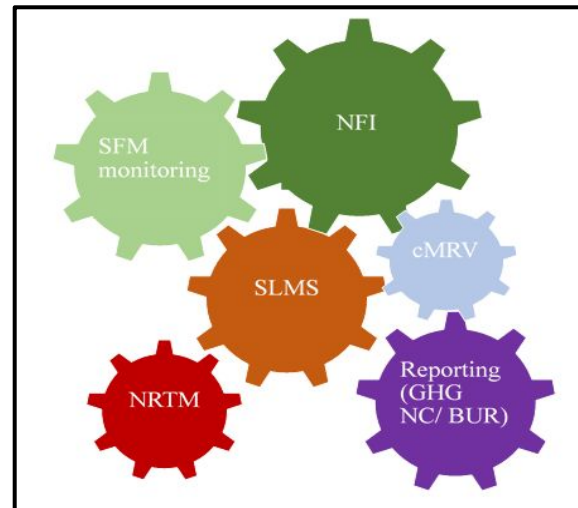
**3. Mangrove monitoring**

- a. Imagery: Sentinel 2A
- b. Validation: Field input, drone data

**4. Update settlements**

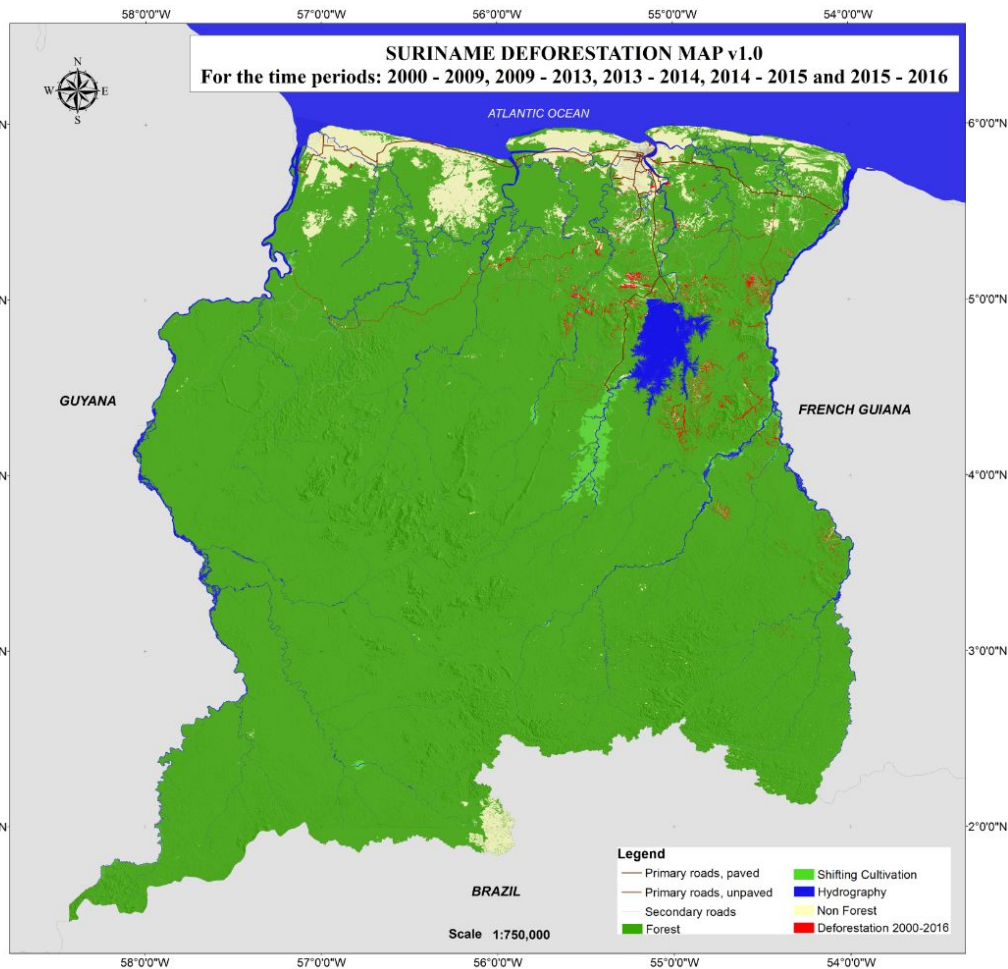
- a. Imagery: Sentinel 2A, Bing, Google
- b. Validation: Work sessions with the ministry of Regional Development)
- c. Update: yearly

**5. Update infrastructure**



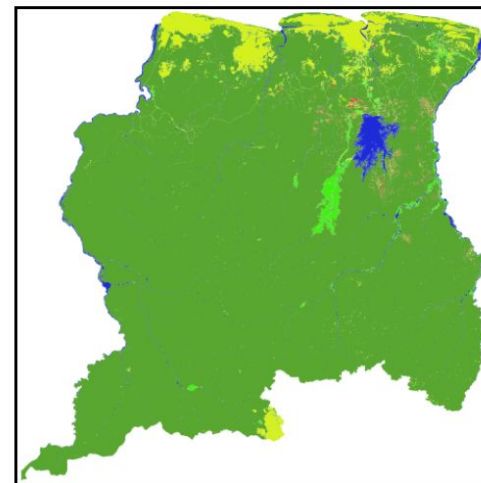


# Satellite Land Monitoring System (SLMS)



## Technical report:

Forest cover monitoring in Suriname using remote sensing techniques for the period 2000-2015



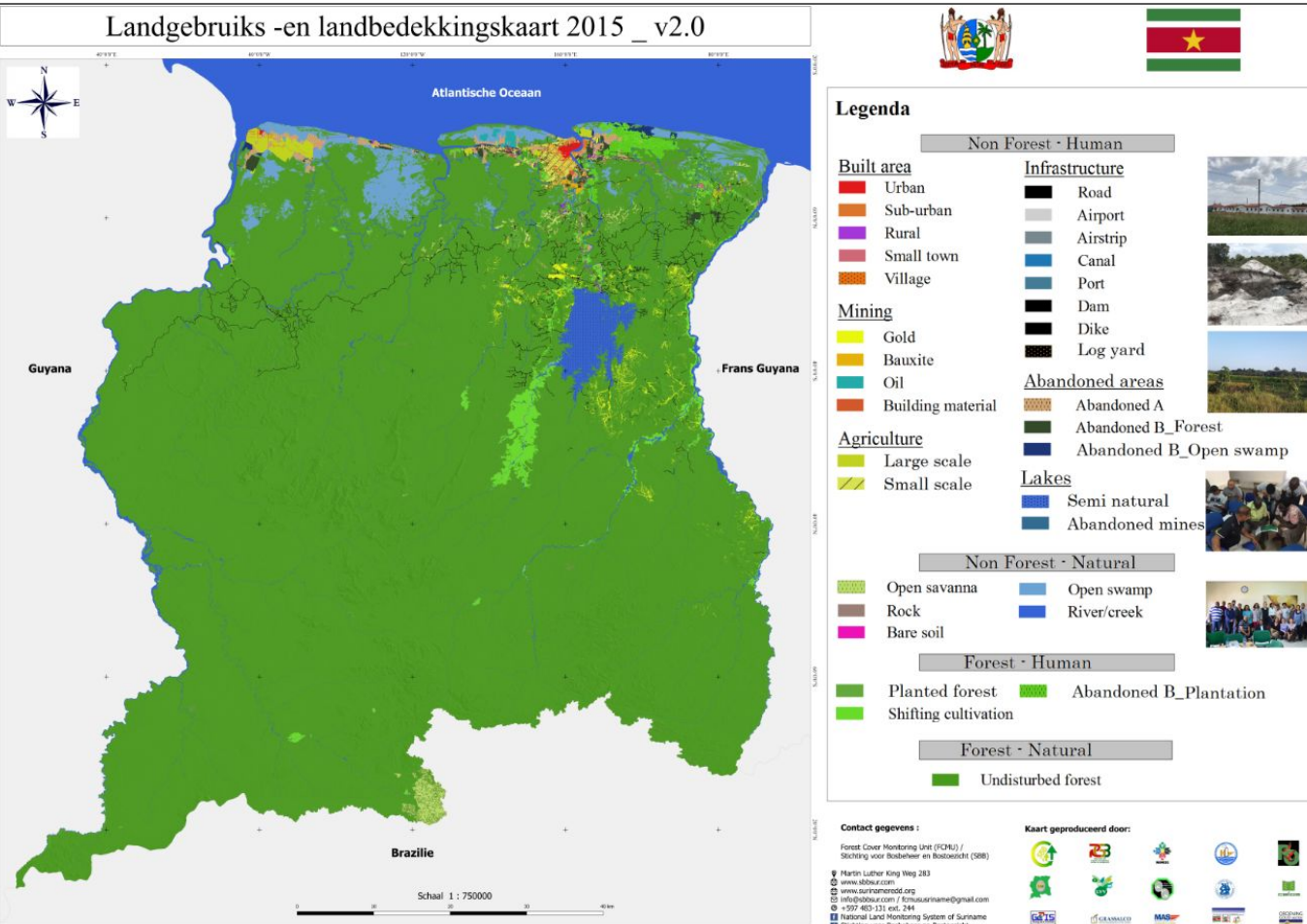
Published: September 2017

Written by: Forest Cover Monitoring Unit

Foundation for Forest Management and Production Control (SBB)



# Satellite Land Monitoring System (SLMS)

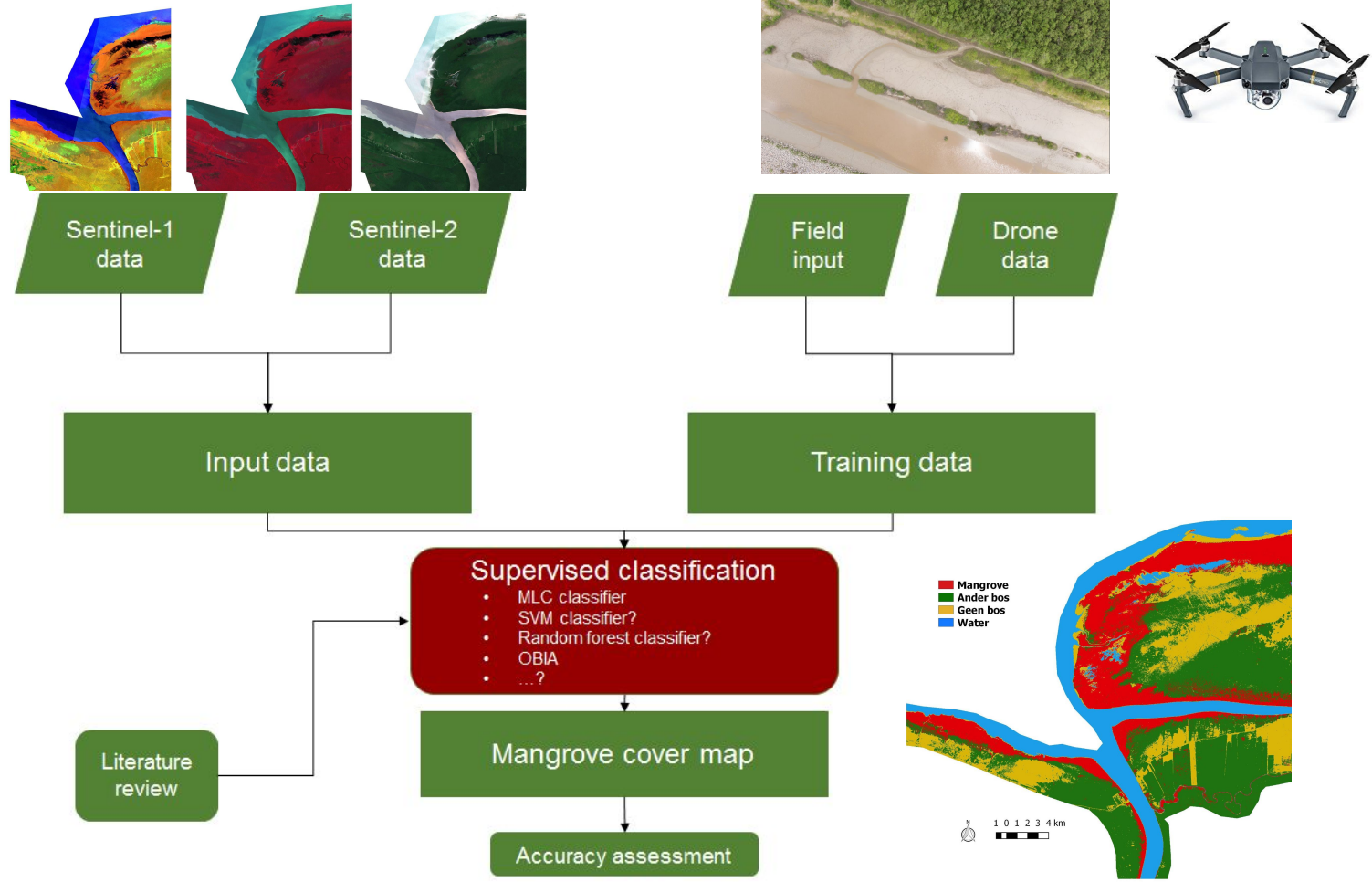


## Protocol for the preparation of the Land Use Land Cover map 2015



Written by: Forest Cover Monitoring Unit  
Date: April 2018

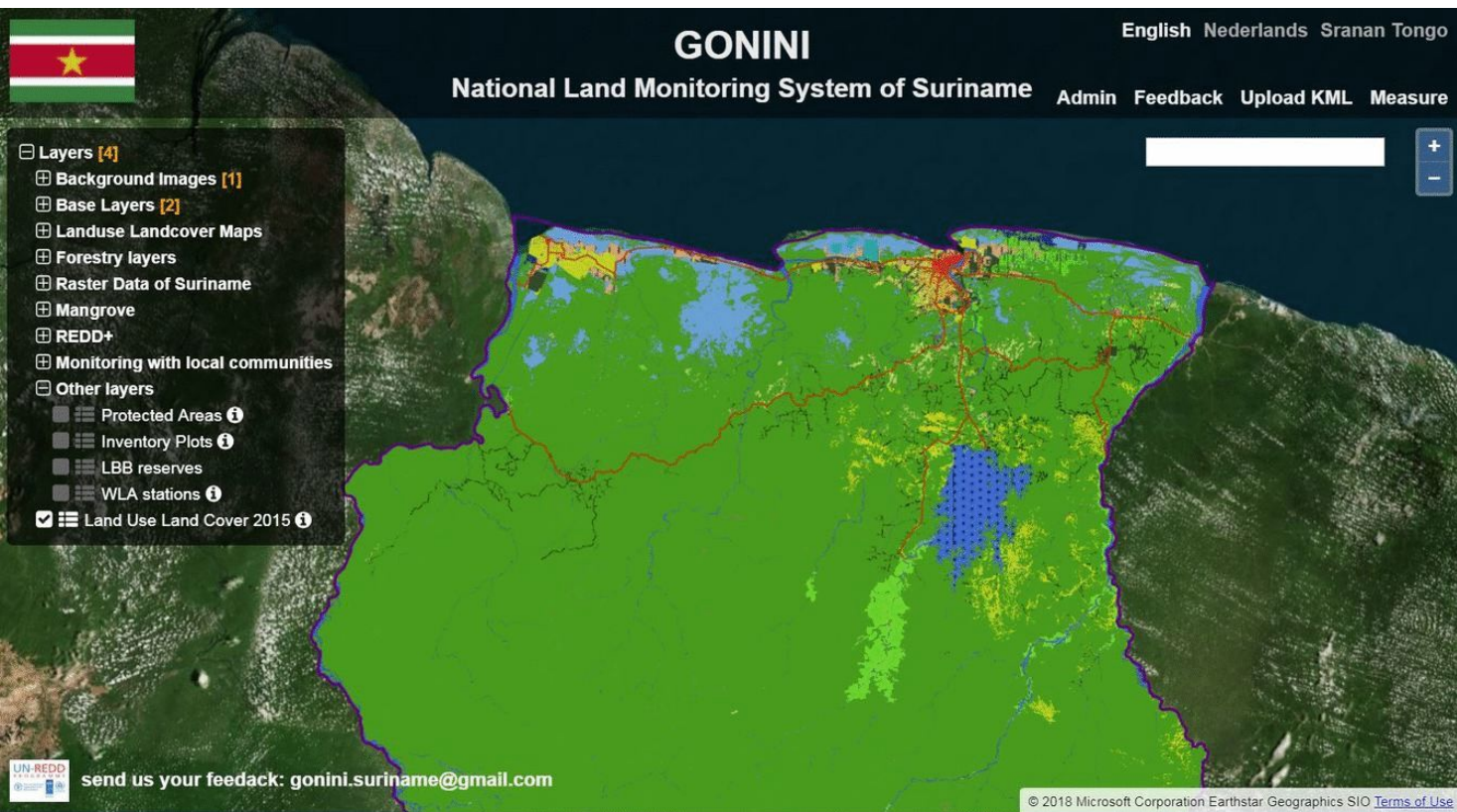
# Mangrove monitoring



# Forest inspections



GPS and Tablets



Launch: december 2016

User data: 5400 users  
3500 uit Suriname

Layer data: 35 layers

Downloadable layers: 9

## ➤ **Short term perspectives regarding spatial data**

We work with forest data, so there are no short term perspectives

- Update Deforestation data yearly
- Update post deforestation Land Use Land Cover data biennial
- Update national Land Use Land Cover data every 5 years
- Collaboration with stakeholders in the data validation process
- Produce Mangrove data
- Update infrastructure based on the availability of imagery (monthly)
- Update settlements layer in collaboration with the ministry of regional development
- Share all updates on the Gonini geoportal

# Bedankt !

*“Better data leads to better decision making”*

## Contact gegevens



Forest Cover Monitoring Unit (FCMU) / Stichting voor Bosbeheer en Bostoezicht (SBB)

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