

Overview to FRIM/FFPRI REDD-plus Project in Peninsular Malaysia

Kaoru NIIYAMA (FFPRI) & Ismail bin Harun (FRIM)

FFPRI: Forestry and Forest Products Research Institute, Japan

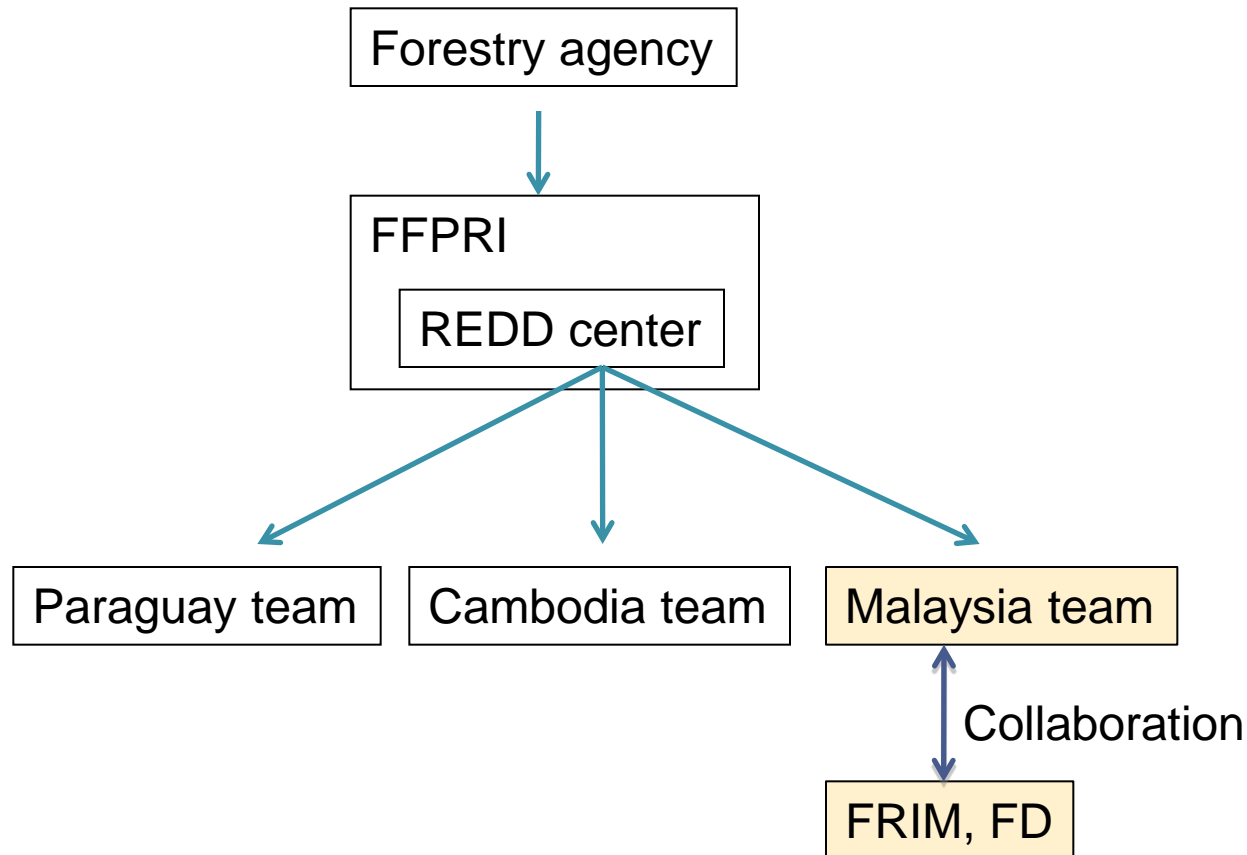
FRIM: Forest Research Institute Malaysia

Background of collaboration

- REDD+ is identified as one of the most effective means to reduce GHG emission
- A reliable and credible system of measurement, reporting and verification (MRV) of forest carbon changes is a cornerstone of any national REDD+activity.
- FFPRI and FRIM have had good experiences in forest monitoring and assessment of deforestation.
- FFPRI established the REDD Research and Developing Center on 2010

Based on these background, we started FRIM/FFPRI REDD-plus project in Peninsular Malaysia from 2010

A structure of REDD project



“Research on Development of Carbon Monitoring Methodology for REDD+ in Malaysia”

Purpose

- To develop a forest carbon change MRV system that can be implemented in REDD+ in Malaysia and other countries.
- (Agreement : MALAYSIAN FORESTRY RESEARCH AND DEVELOPMENT BOARD, MALAYSIA & FFPRI, Japan)

Specific Objectives:

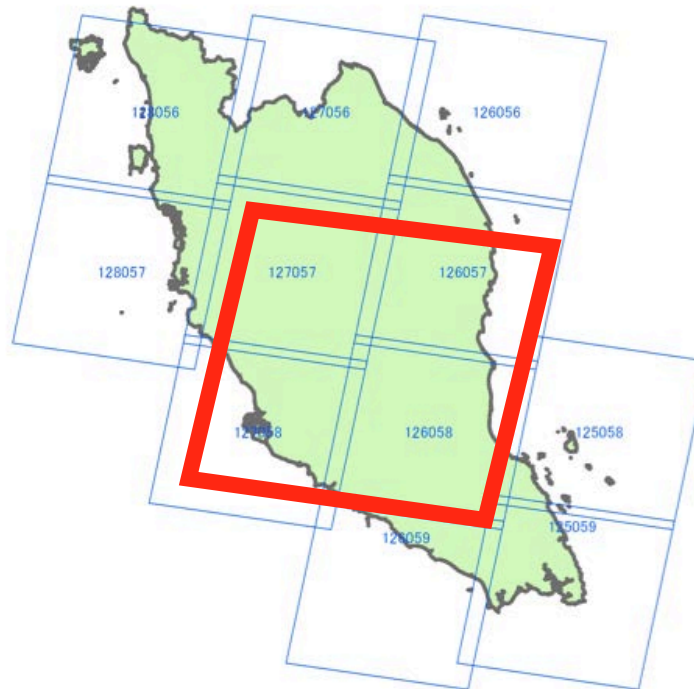
- 1) Monitoring land uses and land-use changes using remote sensing techniques
- 2) Monitoring forest carbon stocks by ground sampling
- 3) Social and economic analysis of forest change
- 4) Development of practical guidelines for forest carbon monitoring for REDD+

Boundary for REDD+

- National or sub-national level
- FRIM/FFPRI REDD+ project study the area of Peninsular Malaysia
- We chose four scenes of Land sat

Proposed Project Area

- Preferably all plots will be selected from within 4 Land sat scenes, namely 126/057, 126/058, 127/057 & 127/058, a common area of interest with Remote Sensing Group.
- Plots can be supplementary selected from outside of the above-mentioned area in case if enough plots are not available within the area



Outcomes

- This research will give forest maps, estimation of forest carbon stock changes and drivers of land use change.
- Results will be so informative to facilitate a design of MRV system for REDD+ in other countries

MRV: Measurement Reporting and Verification

Researchers from FRIM &

FFPRI

Dr. M. Matsumoto

Director of REDD Research and Development Center

Malaysia

Japan

Team leader

Iamail Harun

Kaoru Niiyama

Remote sensing

Khali Aziz Hamzah
Hamdan Omar bin
Mohd Azahari Faidi

Gen Takao
Yasumasa Hirata

Inventory (biomass)

Wan Mohd Shukri
Nur Hajar bt Zamah Shari

Tamotsu Sato
Kaoru Niiyama

Socio/economic

Mohd Farid bin Mamat
Noor Aini binti Zakaria

Motoe Miyamoto
Tetsuya Michinaka

Schedules of REDD project

2010(Apr.2010–March 2011)

Conclusion of agreement between FFPRI and FRIM

Funding from FFPRI to FRIM

First report from FRIM

2011(Apr.2011–March 2012)

Remote sensing image analysis and ground truth

Inventory (biomass measurements) by FRIM and FFPRI

Analysis of socio/economic drivers by FRIM and FFPRI

2012(Apr.2012–March 2013)

Remote sensing image analysis and ground truth

Inventory (biomass measurements) by FRIM and FFPRI

Analysis of socio/economic drivers

To make a MRV guideline for REDD+

REDD work shop at KL

2013–2015: We continued above REDD+ project activities

Now a final seminar and workshop is opening

Thank you for your attention
Terema kasih !

