



CAMBODIA REDD+ PROGRAMME

Cambodia Forest Reference Level

Enabling results-based payment for REDD+ in tropical forest : Lessons from reference setting

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Mr. Chivin LENG , MRV/FRL Focal point



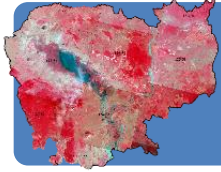
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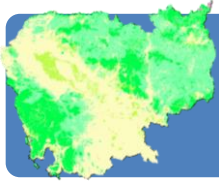
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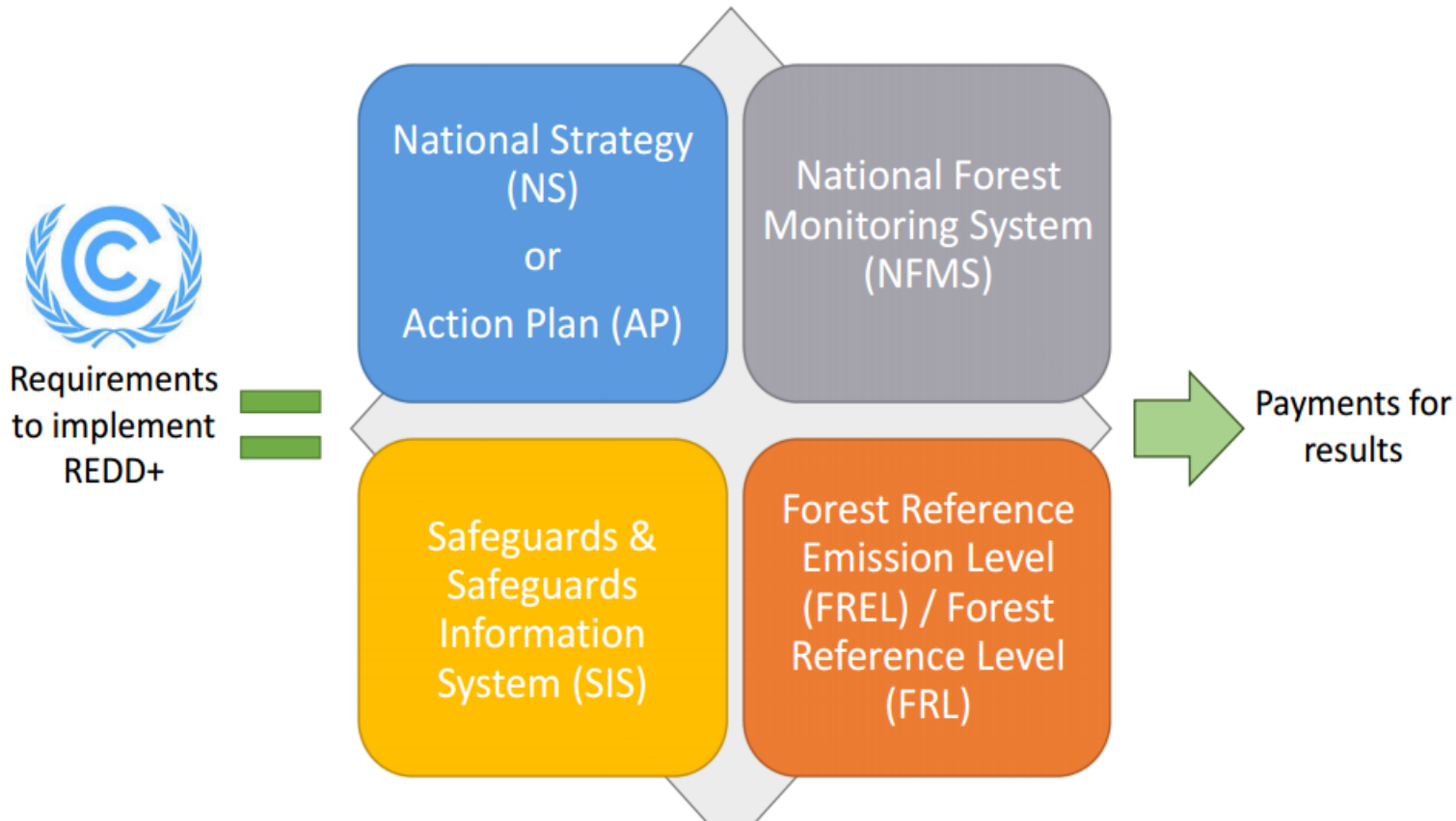
Plan for FRL Improvement



Overview

REDD+ AT CURRENT SITUATION

UNFCCC/COP19- Warsaw Framework or REDD+ Rules



1. Phase in NRS Implementation

- **First Phase 2017-2020** (Transection and NRS implementation): Detail REDD+ action and budget plan, develop NRS M&E , Revise NRS institutional coordination, and operation of the NFMS, FREL, SIS and starting NRS implementation.
- **Second Phase 2021-2025** (Operation of the Result-based finance):
 - Fully function of the NFMS, FREL, and SIS at the national level
 - Regular communicate with UNFCCC-(i.e NC, BURs, and other requirement)
 - Scale up more drivers to be addressed.



2 .National Forest Monitoring System (NFMS)

❖ General Situation

Cambodia has already been implementing forest monitoring:

- Three key agencies responsible for forest monitoring, namely, Ministry of Environment (MoE), MAFF/Forestry Administration (FA) and Fishery Administration (FiA)
- LU/LC mapping interval is approximately four years (forest cover assessment program of MoE/FA/FiA.) by update two year (2016-2018)
- Mapping distribution of Evergreen, Semi-evergreen, Deciduous and other types.

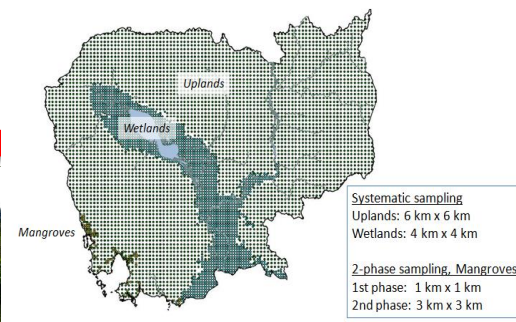


❖ Development Plan of SLMS (2016-2018)

- (1) Improvements in current mapping technique, and preparation for next cycle of mapping is initiated.
- (2) Exploration of technique to detect different carbon stock level, Exploration of cost effective methodology to detect forest degradation
- (3) Implementation of technique to assess accuracy of land use/cover change.
- (4) Further capacity building of young officials, both men and women, in satellite image interpretation and analysis will be conducted.

❖ National Forest Inventory

- Scope: NFI design was completed and Large scale NFI trails are planned from 2017.
- FA, FiA and MoE are responsible for conducting inventory of forests under their respective jurisdiction.



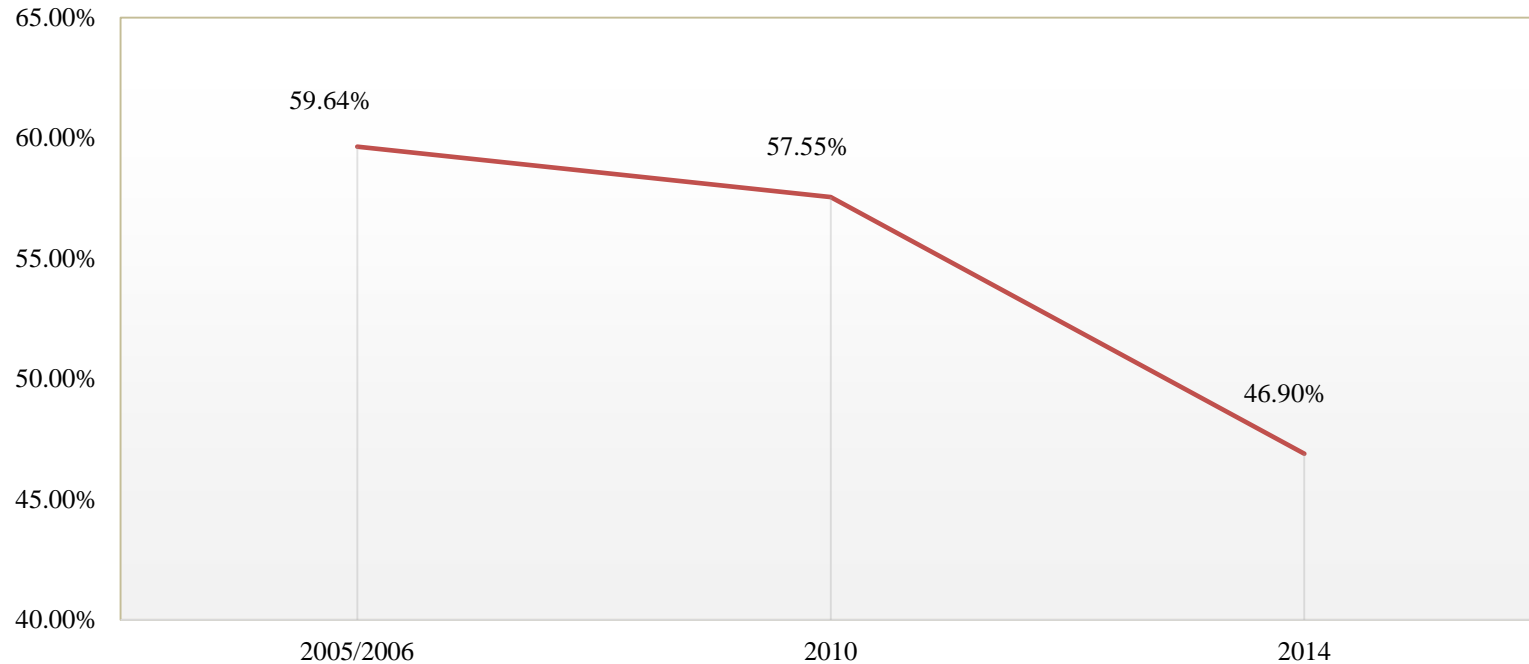
3. Overview of progress on Cambodia's FRL Development

- ❖ **Scale:** National Level
 - **Reasons:**
 - Data availability (Nat. Level)
 - Forest estate under three institutions (FA, FiA, MoE)
 - Linkages to National policies to implement REDD+
- ❖ **Scope of activity:**
 - Target: **Deforestation, Enhancement** (afforestation)
 - Future Consideration: Forest Degradation (Wood fuels, etc.)
- ❖ **Target Carbon pools**
 - above ground biomass
 - below ground biomass
- ❖ **Target GHG :**
Only CO₂
- ❖ **Current up dated : RGC already announced on 01 November 2016 for submission of initial Forest Reference level for Cambodia under the UNFCCC**



❖ *Historical Period to implement REDD+*

Declining forest cover over historical reference period



Forest is refers to a unit of an ecosystem in the form of wetland and dry land covered by natural or planted vegetation with a height from 5m on an area of at least 0.5 hectares, and canopy crown cover of more than 10%. Excluding perennial crops, oil palm, rubber plantation.



4. Plan for FRL Improvement

- Improvements in both emission factors and activity data are expected through implementation of Cambodia's first NFI
- Accuracy assessment of change between map 2006-2014 (Area of Changed)
- Produce last update of LU/LC map 2016
- Development of country specific allometric equations is foreseen to improve biomass estimates
- It is foreseen to provided biennial updates of activity data
- Consistency between FRL submissions and National GHG reporting is strengthened by the establishment of a REDD+ database.
- FRL improve step after receiving technical comment from UNFCCC-TA



Phased Approach for FRL improvement

REDD+ DEVELOPMENT



NFMS DEVELOPMENT



FRL DEVELOPMENT



Thank You!

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