



STAKEHOLDER ENGAGEMENT AND REDD+ IMPLEMENTATION EXPERIENCES IN MYANMAR

Mr. Bo Ni (Director, Forest Department)

Mr. Ngwe Thee (Staff Officer, Forrest Department)

Mr. Win Aye (Staff Officer, Forrest Department)

Mr. Chit Hlaing (Range Officer, Forest Department)

Mr. Win Khaing Phyoo (Range Officer, Forest Department)

SCOPE OF PRESENTATION

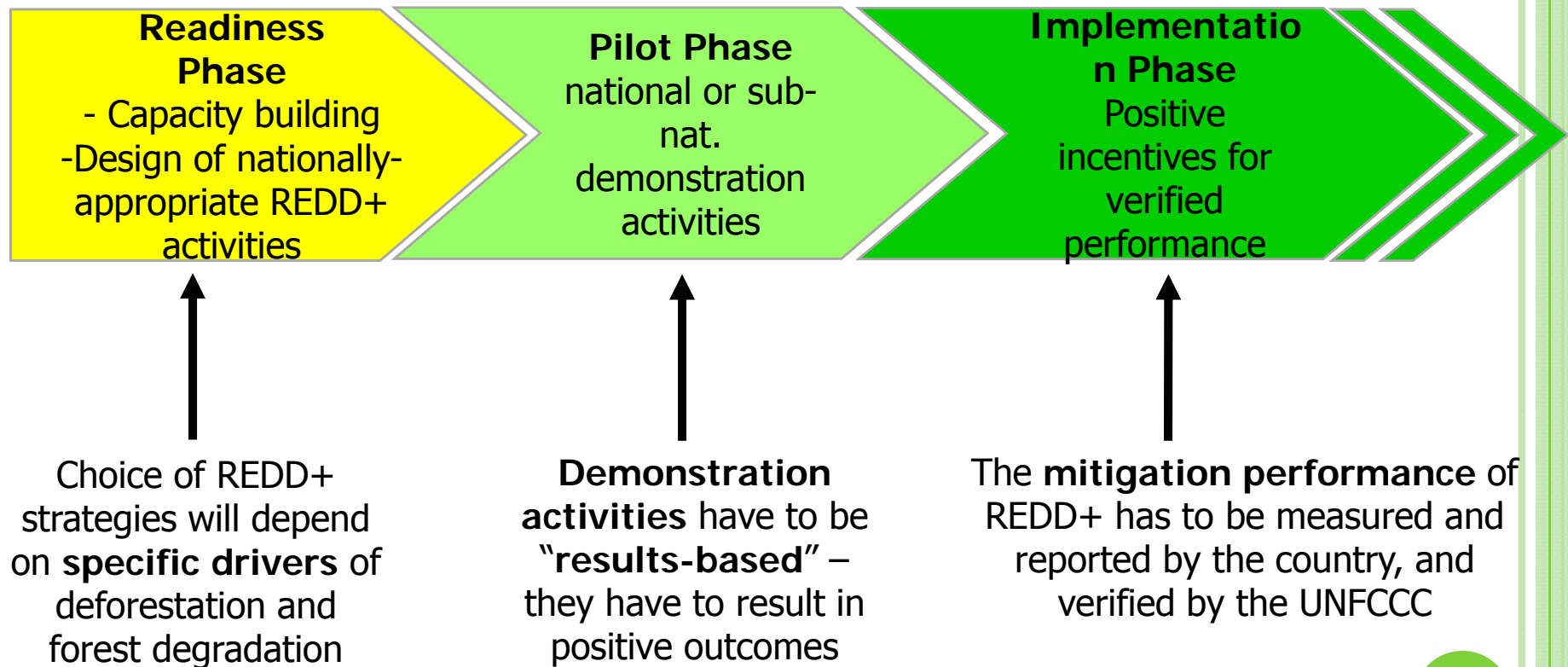
- REDD+ Roadmap Development Process through Stakeholder Engagement
- National REDD+ Framework
- Elements of National REDD+ System
- Proposed National REDD+ Taskforce
- Structure of REDD+ Roadmap
- Ongoing REDD+ Projects



INTRODUCTION

- Myanmar joined the UN-REDD Programme in December 2011.
- Since mid-2010, the UN-REDD sought to support Myanmar by sharing information on REDD+, and providing resource persons for national REDD+ meetings.
- REDD+ national level workshop in April 2010.
- Climate Change Adaptation and Disaster Risk Reduction National Workshop in December 2010.
- Participants were from the MoECAF, MoAI, MNPED, MoLF, the DMH, MoT, MoSW, MoH, MoST, FAO, UN-Habitat, UNDP, and L/INGOs including FREDA, BANCA, REAM, SPECTRUM, World Vision and the Food Security Working Group.
- In addition, FD & KFS jointly organized a Regional Level Workshops on REDD+ in May 2011 in Nay Pyi Taw.
- About 80 participants from ASEAN Member States, UN-REDD, representatives from line ministries, and local NGOs or CSOs attended.

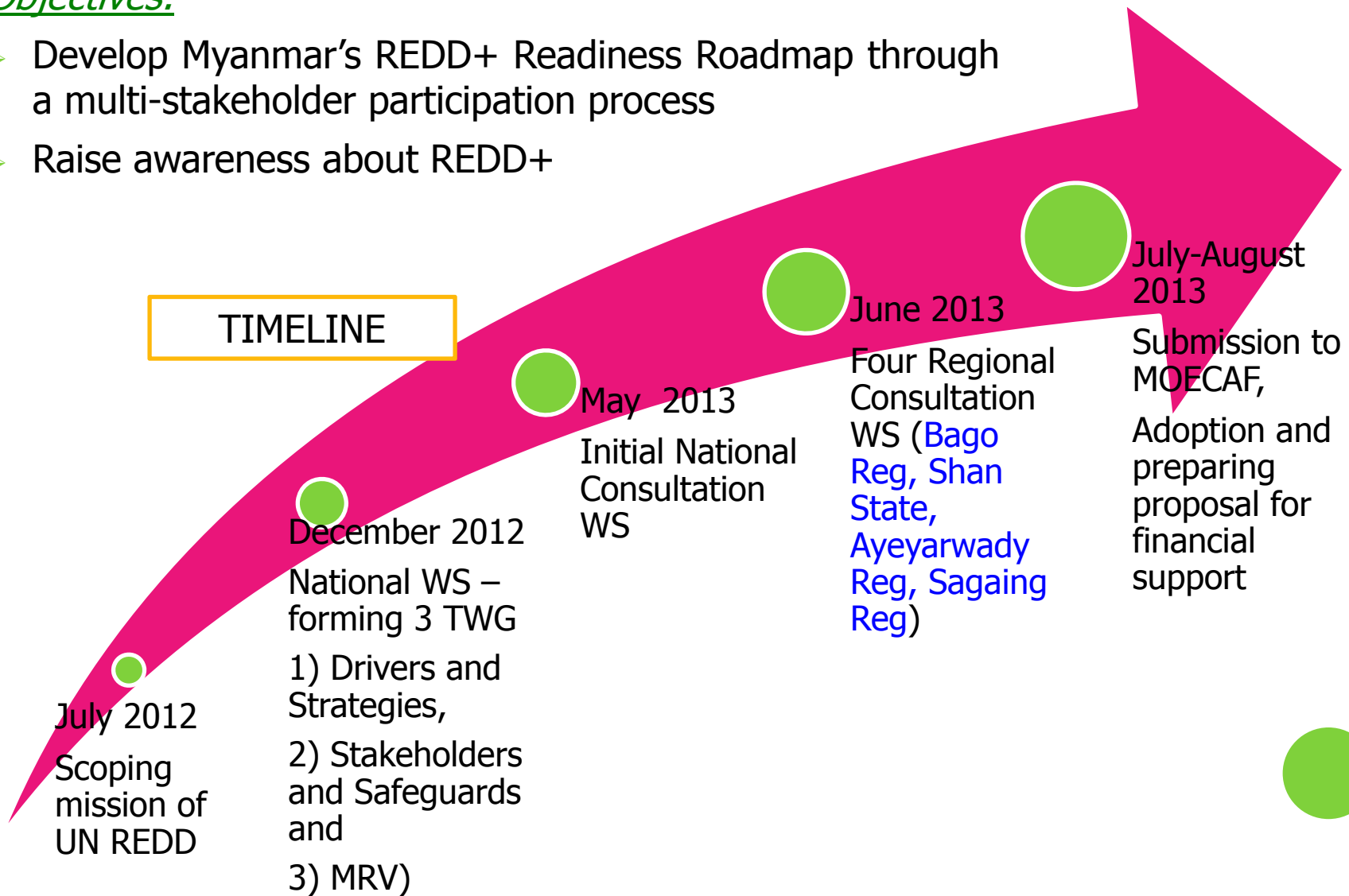
Three REDD+ Phases



THE ROADMAP DEVELOPMENT PROCESS

Objectives:


- Develop Myanmar's REDD+ Readiness Roadmap through a multi-stakeholder participation process
- Raise awareness about REDD+



CONSULTATIONS FOR ROADMAP DEVELOPMENT

○ Initial National Consultation Workshop:

- One multi-stakeholder workshop in Nay Pyi Taw, to present, and receive initial feedback on, the first draft of the Roadmap for participants (REDD+ Stakeholder Network)



4 Regional
Awareness Raising
and Consultation
Workshops

Timeline	Activities
30-5-2013	Bago, Bago Region
5-6-2013	Taunggyi, Shan State
11-6-2013	Bogalay, Ayeyarwady Region
18-6-2013	Kathar, Sagaing Region

National Validation Workshop: One final national workshop in Nay Pyi Taw on **25-6-2013**, to present the feedback from National and Regional Consultations, to present the final version of the Roadmap and seek validation from participants.

INITIAL NATIONAL CONSULTATION WORKSHOP ON REDD+ ROADMAP (14-5-2013)





Regional Consultation Workshop on REDD+ Roadmap

Bago Tsp, Bago Region (30-5-2013)



Regional Consultation Workshop on REDD+ Roadmap

Taunggyi, Shan State (5-6-2013)



Regional Consultation Workshop on REDD+ Roadmap

Bogalay, Ayeyawady Region (11-6-2013)



Regional Consultation Workshop on REDD+ Roadmap

Katha, Sagaing Region (18-6-2013)



OUTCOMES OF INITIAL NATIONAL CONSULTATION WS & REGIONAL CONSULTATION WS

1. Drivers of Deforestation & Forest Degradation

➤ Outcomes from INC WS

Forestry Sector	Outside Forestry Sector
Overharvesting	Agricultural expansion
Shifting cultivation	Mining
Fuelwood & charcoal	Hydropower development
Overgrazing	Infrastructure development
Forest fire	Military settlement
Strom	Urbanization
Pests	Fishery Development

OUTCOMES OF INITIAL NATIONAL CONSULTATION WS & REGIONAL CONSULTATION WS

1. Drivers of Deforestation & Forest Degradation

➤ Outcomes from RC WS

	Timber Harvesting	Fire wood & Charcoal	Agriculture	Shifting cultivation	Grazing	Urbanization	Mining	Hydro Power / Dam	Military Settlement	Infrastructure	Pest	Storm	Forest fire	Fishery Development
Nation	1	6	4	5	10	9	2	3	8	7	14	13		11
Bago	2	1	4	3	10	9	8	5	6	7	12	13		14
Shan	1	3	2	4	8	5	6	11	10	7	12	13		14
Ayeyawady	1	2	3	-	7	5	-	-	-	6	-	8		4
Sagaing	1	2	3	8	5	9	4	10	12	6	13	14		11
Validation	1	2	3	4	10	8	6	5	11	7	14	13	12	9

OUTCOMES OF INITIAL NATIONAL CONSULTATION WS & REGIONAL CONSULTATION WS

2. Future Trend of Deforestation & Forest Degradation

➤ Outcomes from RC WS

	Timber harvesting (Legal)	Timber harvesting (illegal)	Firewood Consumption	Agri expansion	Shifting Cultivation	Mining	Hydropower Development
Nation	-	-	+	+	+/-	+	+
Bago	-	+	+	+	+/-	+	+
Shan	-	+/-	+/-	+	+	+	+
Ayeyawady	-	+/-	+	+	N/A	N/A	N/A
Sagaing	-	+/-	+	+	+/-	+	-
Validation	-	+/-	+	+	+/-	+	+

NATIONAL REDD+ FRAMEWORK

- Clear, accountable and inclusive institutions structure able to implement REDD+ and manage financial flows;
- REDD+ programme supported by clear and comprehensive policy and legal framework;
- Open, transparent and effective communication of information to all stakeholders;
- Sufficient awareness and capacity among all stakeholders;
- Strong stakeholder participation based on FPIC principles and effective grievance mechanism.



ELEMENTS OF THE NATIONAL REDD+ SYSTEM

National & International Framework

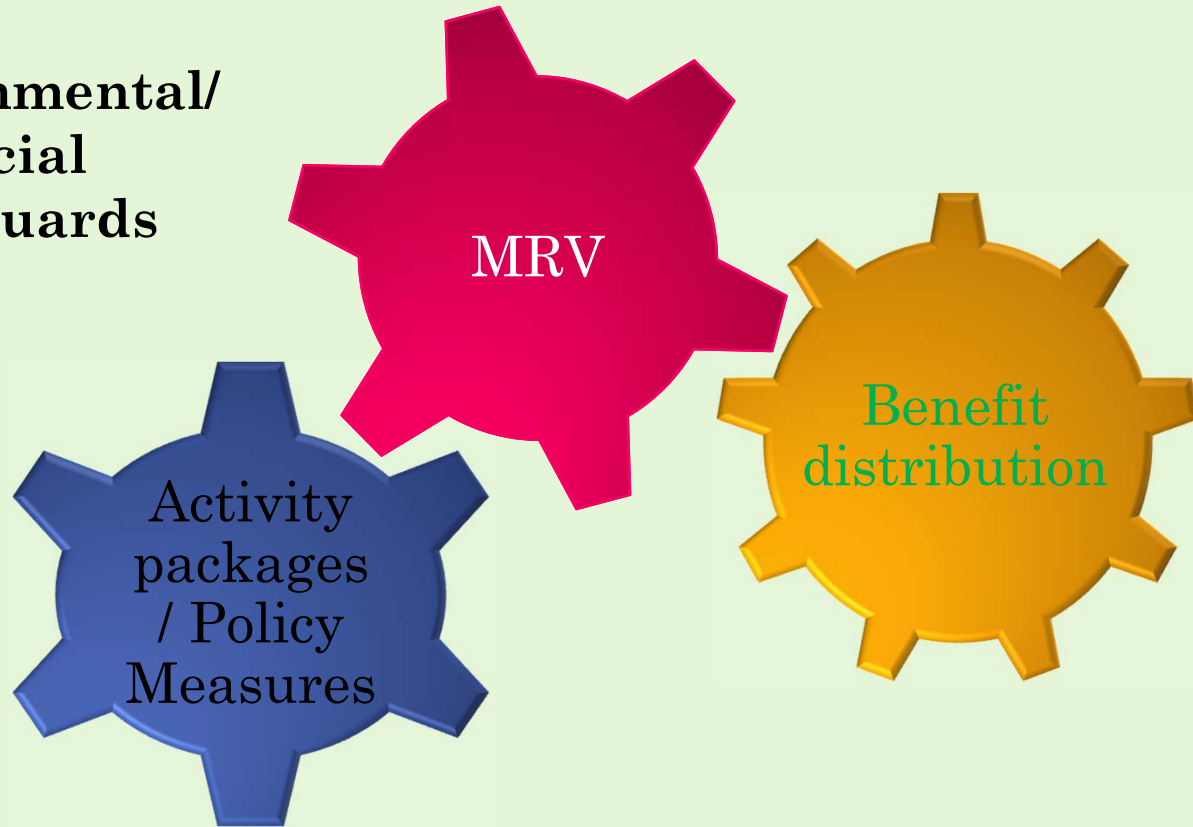
Environmental/
Social
Safeguards

MRV

Activity
packages
/ Policy
Measures

Benefit
distribution

National REDD+ Strategy

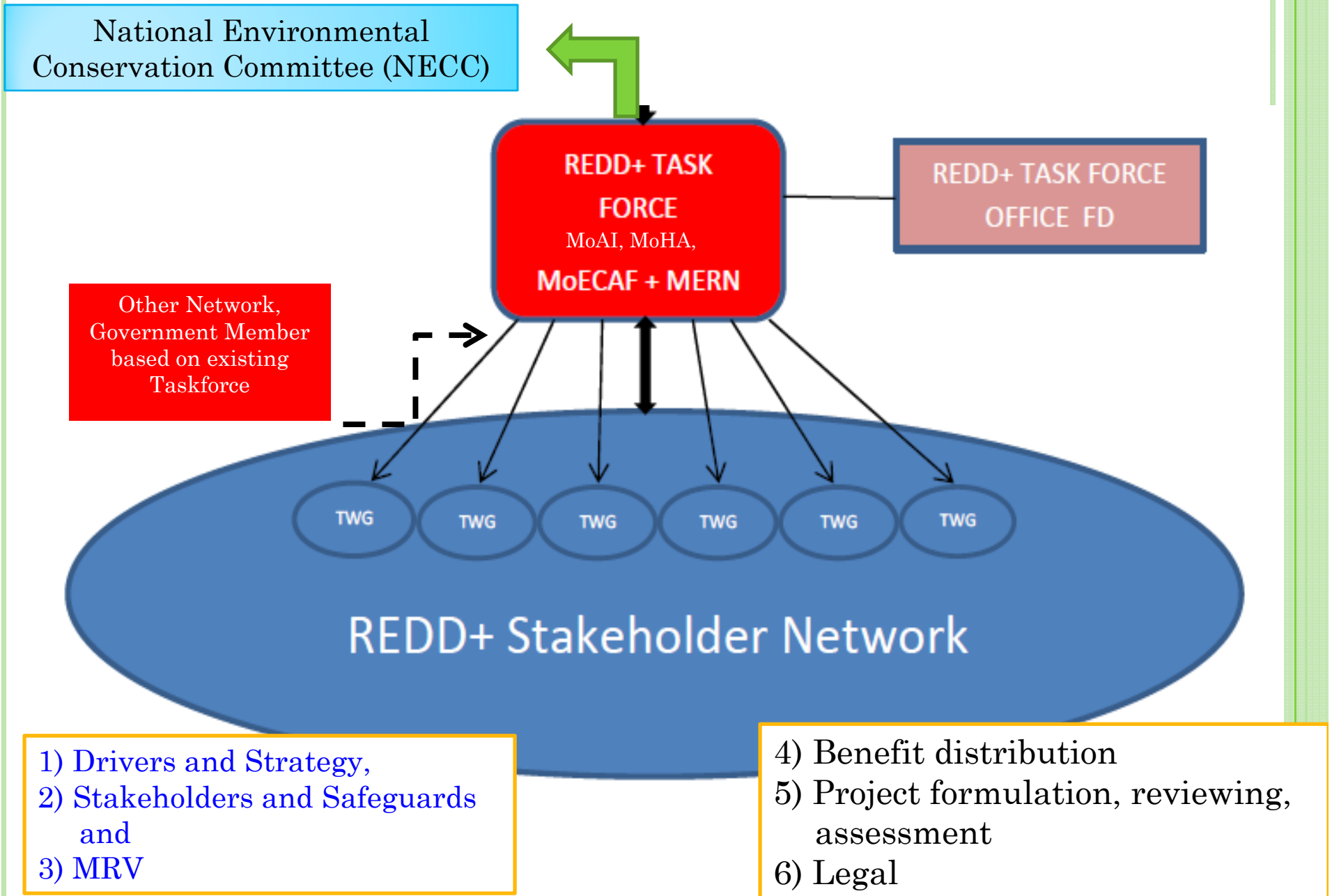


ELEMENTS OF THE NATIONAL REDD+ SYSTEM

- **REDD+ Strategies** (policies measures and activity packages) required to achieve the 5 REDD+ Activities.
- A system of **Measurement, Reporting and Verification** (MRV), which provides all the data required to accurately monitor and record changes in forest cover and condition.
- A system of **Benefit Distribution** to ensure that REDD+ payments are allocated to institutions, communities and people implementing REDD+ activities.
- A system of **Environmental and Social Safeguards** to ensure REDD+ activities do not have negative side effects and enhance co-benefits



PROPOSED NATIONAL REDD+ TASK FORCE



STRUCTURE OF THE ROADMAP

Section 1: Management of REDD+ Readiness

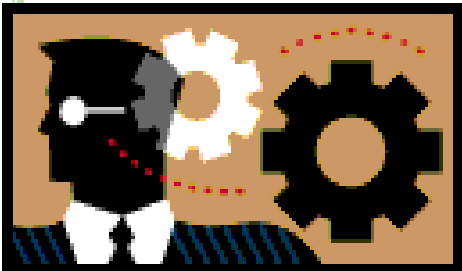
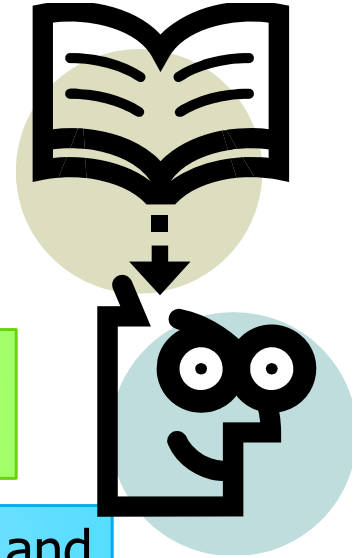
Section 2: Stakeholder Consultation and Participation

Section 3: Development and Selection of REDD+ Strategies

Section 4: Implementation Framework and Safeguards

Section 5: Developing a National Forest Reference Emission Level (REL) and Reference Level (RL)

Section 6: Developing a National Forest Monitoring System



ASSESSMENT OF CANDIDATE REDD+ STRATEGIES: WHAT ARE STRATEGIES?

- Activity packages
- Governance measures

The five REDD+ activities

(a) Reducing emissions from deforestation	REDD
(b) Reducing emissions from forest degradation	
(c) Conservation of forest carbon stocks	+
(d) Sustainable management of forests	
(e) Enhancement of forest carbon stocks	

MAIN POTENTIAL CANDIDATE STRATEGIES: MAIN ACTIVITY PACKAGES

- **Timber extraction** based on pre- and post-harvest inventories, harvesting code of practice and a more **conservative AAC** (phasing-out over harvesting of teak and hardwoods);



- Rapid development and consolidation of **CF programme and participatory management** of protected areas;

- **Stabilization** of or alternatives to slash-and-burn agriculture: improved fallow, fire and erosion control, conservation agriculture, integrated pest management, agro-forestry, development of NTFP;



MAIN POTENTIAL CANDIDATE STRATEGIES:

MAIN ACTIVITY PACKAGES

- **Reforestation** of degraded land and assisted natural regeneration and enrichment planting in degraded forest land;



- **Promotion** of biogas, improved stoves, improved charcoal making, use of farm or industrial residues, fuel wood or village supply plantations, **agro-forestry and on-farm tree planting.**



MAIN POTENTIAL CANDIDATE STRATEGIES: MAIN POLICY MEASURES INSIDE FOREST SECTOR

Develop and implement a **national Certification standard** and combat illegal logging through better law enforcement.



▪ **Regularize existing areas** under shifting cultivation and encroachment in forest land (by revising PFE boundaries), and fully enforce the provisions of the Forest Law in the eviction of any future encroachment;



Implement **Log Export Ban by 2014** and abolish subsidized pricing for timber except for consideration of social equity;



▪ **Expand PFE** to 40% of total land area through local consultation and community involvement in forest management;

MAIN POTENTIAL CANDIDATE STRATEGIES:

MAIN POLICY MEASURES OUTSIDE FOREST SECTOR

- Introduce, implement and monitor E/SIAs for land based concessions, large scale public investments and urbanization plans, taking into account the value of sequestered carbon and impact on deforestation;
 - Apply carbon tax or rebate to encourage private investors to take note of carbon stocks within their concession area;
- Promote agricultural intensification in existing large agricultural landscapes and discourage policies that promote agricultural extensification;
 - Implement Obligatory Biomass Removal Plans for hydro-power development to minimize emissions from submerged biomass

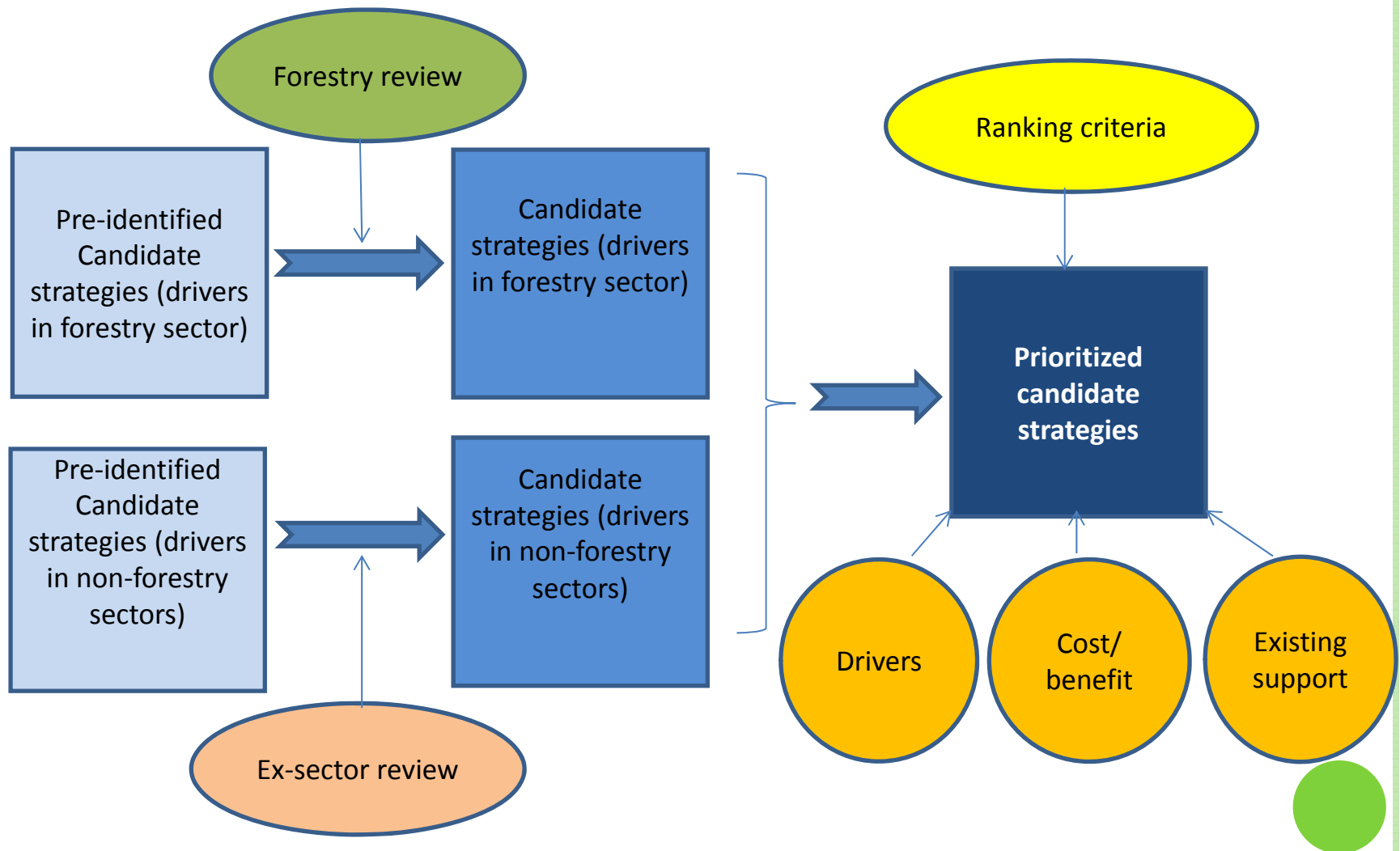


ASSESSMENT OF CANDIDATE REDD+ STRATEGIES

Rank or prioritize the confirmed candidate strategies from both within and outside the forestry sector. The assessment and ranking will be based the following criteria:

- addressing drivers causing significant emissions;
- addressing drivers which will cause significant emissions in the future;
- contribution to conservation of carbon stocks, enhancement of carbon stocks and sustainable management of forests (REDD+);
- scale of emission reductions;
- cost-effectiveness;
- opportunity cost;
- possibility to upscale through co-financing existing programmes;
- contribution to poverty reduction, food security, social development;

ASSESSMENT OF CANDIDATE REDD+ STRATEGIES



Initial feasibility assessment of candidate REDD+ Strategies

DEVELOPMENT OF THE REDD+ SOCIAL AND ENVIRONMENTAL SAFEGUARDS SYSTEM AND GRIEVANCE MECHANISM

- Identifying policies, laws and regulations (PLRs) or safeguard standards;
- Developing or defining a Safeguards Information System-SIS (indicators, sources of data, information gathering and reporting mechanisms, institutional responsibilities);
- National Consultation Workshop to review and validate the selected PLR or safeguards standards and the proposed SIS and to provide guidance for the development of a grievance mechanism;
- Developing or defining a grievance mechanism;
- National Consultation Workshop to review and validate the proposed grievance mechanism;
- Piloting of SIS and grievance mechanism.



RELS/RLs

PRIORITIES FOR REDD+ READINESS ROADMAP

1. **Capacity building** on REL/RL concepts
2. **Review methodologies** for establishing national REL/RLs
3. **Analyze national historical land use change data** to estimate activity data with at least three time intervals
4. **Assess national circumstances** in relation to forestry, including the drivers of deforestation and forest degradation
5. **Assess REL/RL methodologies** being used by other countries and applicability to the Myanmar context
6. **Pilot** sub-national REL/RL methodologies for **demonstration activity/ies**



NATIONAL FOREST MONITORING SYSTEM PRIORITIES FOR REDD+ READINESS ROADMAP

1. Remote sensing / GIS

- Capacity building / technical training of national officers
- Develop methodology for national land classification and assessment of change
- Develop database for RS/GIS data
- Development of a web portal to share information online
- Integrate community monitoring into the national monitoring system

2. National Forest Inventory

- Capacity building and integration of NFI into university curricula
- Design appropriate sampling strategy
- Redesign data collection methodology to measure forest carbon stocks and follow IPCC guidance and guidelines; and including parameters of interest to Myanmar
- Build tree species and NFI databases
- Develop data collection manuals, train field staff and pilot new methodology



NATIONAL FOREST MONITORING SYSTEM PRIORITIES FOR REDD+ READINESS ROADMAP

GHG Inventory for the LULUCF Sector

- Capacity building
- Improve accuracy of GHG assessments, following IPCC guidance and guidelines
- Improve documentation and data archiving process, including GHG database



ONGOING REDD+ PROJECTS

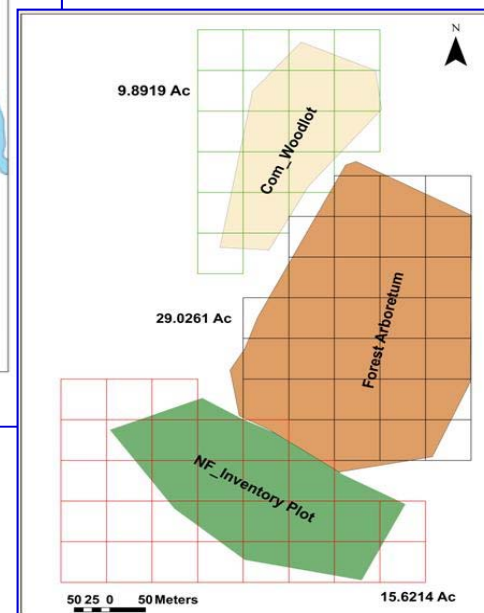
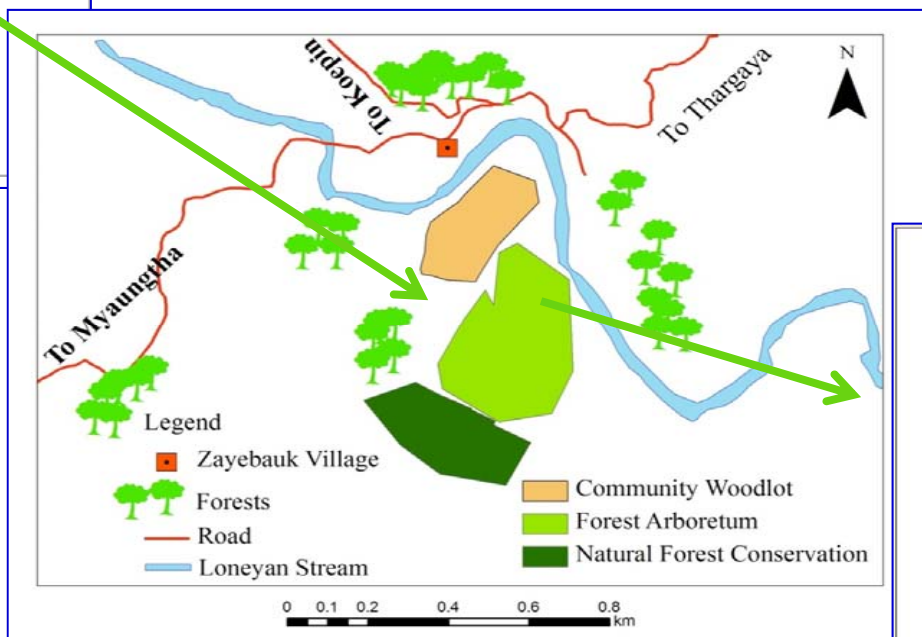
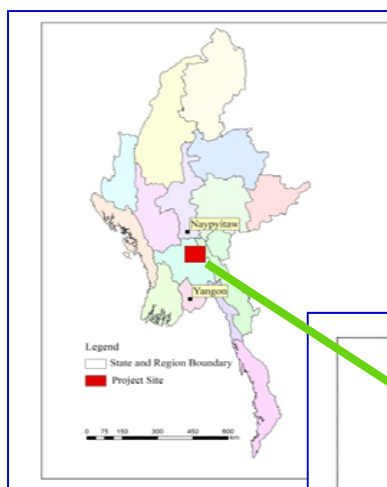
1. Korea Forest Service (KFS) funded project

- **Project Title:** Mitigation of climate change impacts through restoration of degraded forests and REDD+ activities in Bago Yoma Region, Myanmar
- **Implementing Agency:** REDD+ Core Unit, Planning and Statistics Division and Forest Research Institute, FD, MoECAF
- **Duration:** November 2011 until November 2012 and March 2013 until February 2014 (budget: 2x 100,000USD)
- **Location:** Bago Division, Toungoo District, Yedashe Township, Yoma Unclassified Forest



ONGOING REDD+ PROJECTS

REDD+ Demonstration plot in Yoma Protected Public Forest 12, Yedashe Township



ONGOING REDD+ PROJECTS

○ Project Objectives:

- To initiate pilot activities for restoration of degraded forests and conservation of eco-systems for mitigating climate change impacts and supporting sustainable forest management;
- To measure baseline carbon stocks and set reference scenario of carbon emissions through a reliable MRV system focusing on REDD+ readiness; and
- To strengthen capacity and enhance awareness of FD staff and relevant stakeholders in REDD+ readiness and eco-systems conservation.



ONGOING REDD+ PROJECTS

○ Main activities:

- Awareness raising about REDD+, climate change and forests;
- Capacity building and development of MoECAAF and relevant stakeholders;
- Rural development activities as an initial step of formulating a performance based benefit distribution system;
- Demonstration of enhancing forest carbon stock with people's participation (establishing community woodlots, arboretum, forest conservation);
- Measuring, reporting and verification (MRV) and carbon measurement according to IPCC guidelines;
- Forest Inventory and forest cover change assessment (ground check, RS/GIS);
- Research on major drivers of deforestation and forest degradation (at district level).

ONGOING REDD+ PROJECTS

Major project activities

Enhancement of forest carbon stock

- ❖ Conservation of natural forest (5 ha)
- ❖ Establishment of arboretum (10 ha)
- ❖ Establishment of community woodlot (5 ha)

Category	Arboretum	Community woodlot	Natural Forests - EP
Area (ha)	10 ha	5 ha	5 ha
Spacing	2 m x 2 m	3 m x 3 m	3 m x 3 m
No. of species (planted)	23	13	2
No. of seedlings /ha (planted)	2,500	1,110	-
Total No. of seedlings planted	25,000	5,550	750



ONGOING REDD+ PROJECTS



Weeding and Fencing



ONGOING REDD+ PROJECTS

Stakeholder consultation and rural development

❖ Public talks and awareness raising about REDD+ and role of forest, meeting with local communities, Distributing horticultural fruit trees and social welfare

Zaye Pauk village

Forest village (6 mile)

Forest village (7 mile)

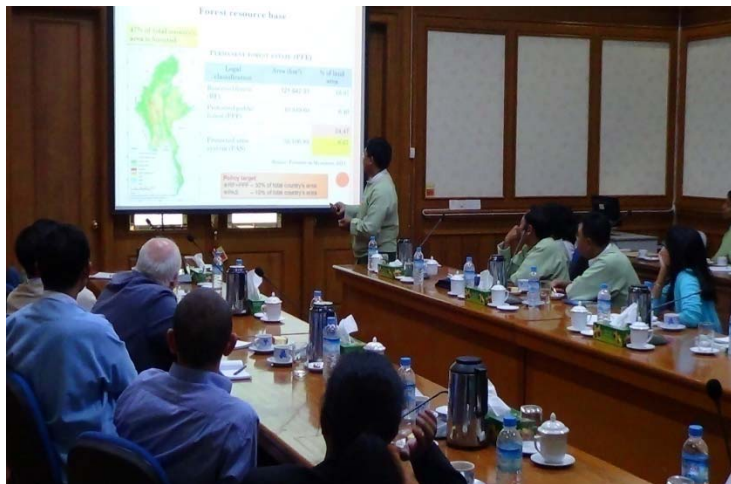
Forest village (8 mile)

Forest village (9 mile)

Forest village (20-HH village)



Technical Seminars



Public Talks



Capacity development training on REDD+ and Climate Change (Training of Trainers-ToT)



Training Course on Application of GPS, Google Earth Image and UTM for Mapping



Technical Working Group Meeting



Training Completion Reports

ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်အစိုးရ
ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးနှင့် သစ်တောရေးရာဝန်ကြီးဌာန

ပြန်စာအိုင် ဝိဇ္ဇာရုံမိမိသေချာ စောင့်ရှောက်မှုနှင့် ဓာတ်အားစိုက်ပျိုးရေးနှင့်
REDD+ လုပ်ငန်းစဉ်များ အကောင်အထည်ဖော် ဆောင်ရွက်ခြင်းဖြင့် ရာသီဥတုပြောင်းလဲမှု
အကျိုးဆက်များဆလျာဏပြင်ဆင်ရေး (၂၀၁၃-၂၀၁၅)

"GPS, Google Earth နှင့် UTM များကို အသုံးပြုခြင်းဖြင့်ရာသီဥတုပြောင်းလဲမှု
(Training Course for GPS Application & Mapping Using by UTM Map & Google
Image)

သစ်တောရေးရာဝန်ကြီးဌာန အစီရင်ခံစာ



၂၀၁၃ ခုနှစ် ဩဂုတ်လ

ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်အစိုးရ
ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးနှင့် သစ်တောရေးရာဝန်ကြီးဌာန

ပြန်စာအိုင် ဝိဇ္ဇာရုံမိမိသေချာ စောင့်ရှောက်မှုနှင့် ဓာတ်အားစိုက်ပျိုးရေးနှင့်
REDD+ လုပ်ငန်းစဉ်များ အကောင်အထည်ဖော် ဆောင်ရွက်ခြင်းဖြင့် ရာသီဥတုပြောင်းလဲမှု
အကျိုးဆက်များဆလျာဏပြင်ဆင်ရေး (၂၀၁၃-၂၀၁၅)

REDD+ နှင့် ရာသီဥတုပြောင်းလဲမှုဆလျာဏပြင်ဆင်ရေး ဝိဇ္ဇာရုံပညာ သင်တန်းဆိုင်ရာ
ရွှေမောင်ရွှေမောင်ပြင်ဆင်ရေးသင်တန်း

သစ်တောရေးရာဝန်ကြီးဌာန အစီရင်ခံစာ



၂၀၁၃ ခုနှစ်၊ အောက်တိုဘာလ

ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်အစိုးရ
ပတ်ဝန်းကျင်ထိန်းသိမ်းရေးနှင့် သစ်တောရေးရာဝန်ကြီးဌာန

ပြန်စာအိုင် ဝိဇ္ဇာရုံမိမိသေချာ စောင့်ရှောက်မှုနှင့် ဓာတ်အားစိုက်ပျိုးရေးနှင့်
REDD+ လုပ်ငန်းစဉ်များ အကောင်အထည်ဖော်ဆောင်ရွက်ခြင်းဖြင့် ရာသီဥတုပြောင်းလဲမှု
အကျိုးဆက်များဆလျာဏပြင်ဆင်ရေး (၂၀၁၃-၂၀၁၅)

ဧကရာဇ်သစ်စတင်ခြင်း ဝိဇ္ဇာရုံပညာ သင်တန်းဆိုင်ရာ

သစ်တောရေးရာဝန်ကြီးဌာန အစီရင်ခံစာ



၂၀၁၃ ခုနှစ်၊ အောက်တိုဘာလ


Technical Papers

ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်အစိုးရ
 ထိန်းသိမ်းရေးနှင့် သစ်တောရေးရာဝန်ကြီးဌာန

မြန်မာနိုင်ငံ ပဲခူးစတိတ်တော်လှန်ရေးအဖွဲ့ချုပ်၏ ဖွဲ့စည်းပုံအခြေခံဥပဒေနှင့်
 REDD+ လုပ်ငန်းစဉ်များ အကောင်အထည်ဖော် ဆောင်ရွက်ခြင်းဖြင့် ရာသီဥတုပြောင်းလဲမှု
 အန္တရာယ်ဆေးရှာရေးအခြေခံစီမံကိန်း (၂၀၁၃ - ၂၀၁၅)

**ရာသီဥတုအပြောင်းအလဲ၊
 သစ်တောနှင့်သစ်**

အာရှတိုက်ဒေသရှိ REDD+ အတွက် လူထုအမြဲပြု အခြေခံအထောက်အပံ့
 စာအုပ် ၂၀၂ ခုနှစ်




Climate Change Forest and You စာအုပ်အား ၂၀၁၁ ခုနှစ်တွင် ရေးသားခဲ့ပါသည်။

၂၀၁၃ ခုနှစ် ခုနှစ်

ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်အစိုးရ
 ထိန်းသိမ်းရေးနှင့် သစ်တောရေးရာဝန်ကြီးဌာန

မြန်မာနိုင်ငံ ပဲခူးစတိတ်တော်လှန်ရေးအဖွဲ့ချုပ်၏ ဖွဲ့စည်းပုံအခြေခံဥပဒေနှင့်
 REDD+ လုပ်ငန်းစဉ်များ အကောင်အထည်ဖော် ဆောင်ရွက်ခြင်းဖြင့် ရာသီဥတုပြောင်းလဲမှု
 အန္တရာယ်ဆေးရှာရေးအခြေခံစီမံကိန်း (၂၀၁၃ - ၂၀၁၅)


သစ်တောလုပ်ငန်းစဉ်များနှင့် ဆက်စပ်ဆောင်ရွက်ရမည့်
 အချက်အလက်များ စုံစမ်းစစ်ချက် နှိုင်းယှဉ်ချက် စာအုပ်အခြေခံအထောက်အပံ့ အထူးပြုချက်



*John A. Gray on Forest Concession Policies and Revenue Systems of
 ၂၀၁၁ ခုနှစ်တွင် ရေးသားခဲ့ပါသည်။*

၂၀၁၃ ခုနှစ် ခုနှစ်


UN-REDD
 PROGRAMME



**မြန်မာနိုင်ငံ REDD+
 လမ်းညွှန်စာအုပ်**

UN-REDD အစီအစဉ်
 ၂၀၁၅ ခုနှစ် ခုနှစ်


ရင်းနှီးမြှုပ်နှံမှု၊ DFID နှင့် UN REDD ဝန်ဆောင်မှုအဖွဲ့အစည်းတို့၏ အထူးပြုချက်



ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်အစိုးရ
 ထိန်းသိမ်းရေးနှင့် သစ်တောရေးရာဝန်ကြီးဌာန

မြန်မာနိုင်ငံ ပဲခူးစတိတ်တော်လှန်ရေးအဖွဲ့ချုပ်၏ ဖွဲ့စည်းပုံအခြေခံဥပဒေနှင့်
 REDD+ လုပ်ငန်းစဉ်များ အကောင်အထည်ဖော် ဆောင်ရွက်ခြင်းဖြင့် ရာသီဥတုပြောင်းလဲမှု
 အန္တရာယ်ဆေးရှာရေးအခြေခံစီမံကိန်း (၂၀၁၃ - ၂၀၁၅)

မိမိဆန္ဒအလျောက် ရောင်းဝယ်သည့် ကာဗွန်ဈေးကွက်




Voluntary Carbon Market of ၂၀၁၁ ခုနှစ်တွင် ရေးသားခဲ့ပါသည်။

၂၀၁၃ ခုနှစ် ခုနှစ်

ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်အစိုးရ
 ထိန်းသိမ်းရေးနှင့် သစ်တောရေးရာဝန်ကြီးဌာန

မြန်မာနိုင်ငံ ပဲခူးစတိတ်တော်လှန်ရေးအဖွဲ့ချုပ်၏ ဖွဲ့စည်းပုံအခြေခံဥပဒေနှင့်
 REDD+ လုပ်ငန်းစဉ်များ အကောင်အထည်ဖော် ဆောင်ရွက်ခြင်းဖြင့် ရာသီဥတုပြောင်းလဲမှု
 အန္တရာယ်ဆေးရှာရေးအခြေခံစီမံကိန်း (၂၀၁၃ - ၂၀၁၅)

**သစ်တောလုပ်ငန်းစဉ်နှင့်သစ်တောထောက်ပံ့ရေးအဖွဲ့အစည်း
 ကာဗွန်လုပ်ငန်းစဉ်များ အကျဉ်းချုပ်စိတ်ဆက်**



REDD Basic Book of ၂၀၁၁ ခုနှစ်တွင် ရေးသားခဲ့ပါသည်။

၂၀၁၃ ခုနှစ် ခုနှစ်

ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်အစိုးရ
 ထိန်းသိမ်းရေးနှင့် သစ်တောရေးရာဝန်ကြီးဌာန

မြန်မာနိုင်ငံ ပဲခူးစတိတ်တော်လှန်ရေးအဖွဲ့ချုပ်၏ ဖွဲ့စည်းပုံအခြေခံဥပဒေနှင့်
 REDD+ လုပ်ငန်းစဉ်များ အကောင်အထည်ဖော် ဆောင်ရွက်ခြင်းဖြင့် ရာသီဥတုပြောင်းလဲမှု
 အန္တရာယ်ဆေးရှာရေးအခြေခံစီမံကိန်း (၂၀၁၃ - ၂၀၁၅)

**အသစ်ပြည့်သူများ စီမံခန့်ခွဲရေးနှင့် သစ်တောထောက်ပံ့ရေး အဖွဲ့အစည်း
 စတင်ဆောင်ရွက်ခြင်းနှင့် ဆက်လက်လုပ်ငန်းစဉ်များ**




၂၀၁၃ ခုနှစ် ခုနှစ်

ပြည်ထောင်စုသမ္မတမြန်မာနိုင်ငံတော်အစိုးရ
 ထိန်းသိမ်းရေးနှင့် သစ်တောရေးရာဝန်ကြီးဌာန

မြန်မာနိုင်ငံ ပဲခူးစတိတ်တော်လှန်ရေးအဖွဲ့ချုပ်၏ ဖွဲ့စည်းပုံအခြေခံဥပဒေနှင့်
 REDD+ လုပ်ငန်းစဉ်များ အကောင်အထည်ဖော် ဆောင်ရွက်ခြင်းဖြင့် ရာသီဥတုပြောင်းလဲမှု
 အန္တရာယ်ဆေးရှာရေးအခြေခံစီမံကိန်း (၂၀၁၃ - ၂၀၁၅)

**ကော့လတ်အဆင့် ညှိနှိုင်းပေးနိုင်ရေး သို့မဟုတ် ကော့လတ်အဆင့်အထက်
 REDD+ နိုင်ငံရေးအခြေခံစာအုပ်**



*A TRAINING OF TRAINERS MANUAL FOR REDD+
 For national and sub-national level facilitators စာအုပ်အား
 ၂၀၁၁ ခုနှစ်တွင် ရေးသားခဲ့ပါသည်။*

၂၀၁၃ ခုနှစ် ခုနှစ်

Bamboo handicraft training for job creation and income generation jointly organized by MOECAF and Ministry of Cooperative with the support of Project

Bamboo Handicraft Training for Local Community



Supporting books, pencils, rulers, eraser, ball etc



Establishing school gardening



DISTRIBUTION OF SEEDLINGS OF FRUIT TREES



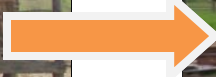


Distributing fruit trees for home gardening



RURAL DEVELOPMENT ACTIVITIES

- Supporting for construction and renovation of elementary schools in Project site (Yedashe Township)



RURAL DEVELOPMENT ACTIVITIES

- Supporting for construction and renovation of elementary schools in Project site (Yedashe Township)

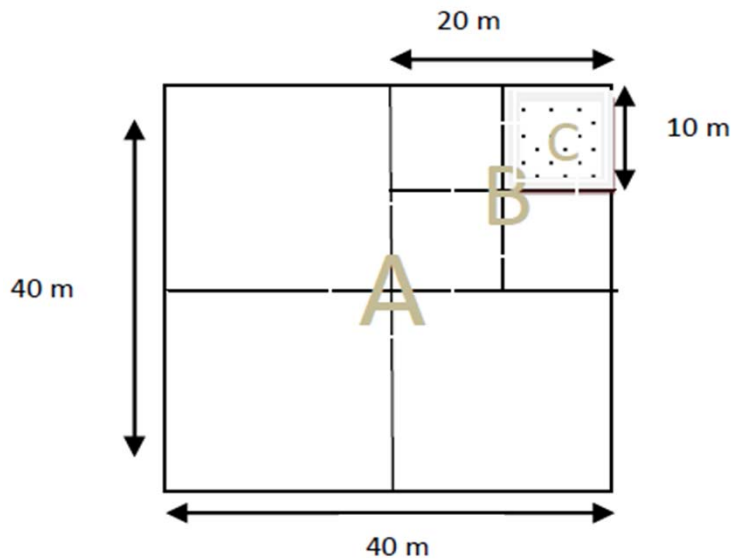


ONGOING REDD+ PROJECTS

Field Inventory

NDVI classes	stratified plots	selected plots
class1	37	20
class2	56	50
class3	755	50
class4	1616	50
class5	136	50
total		220

Area of Lone Yan and Sabyin RF
(10,268 ha)



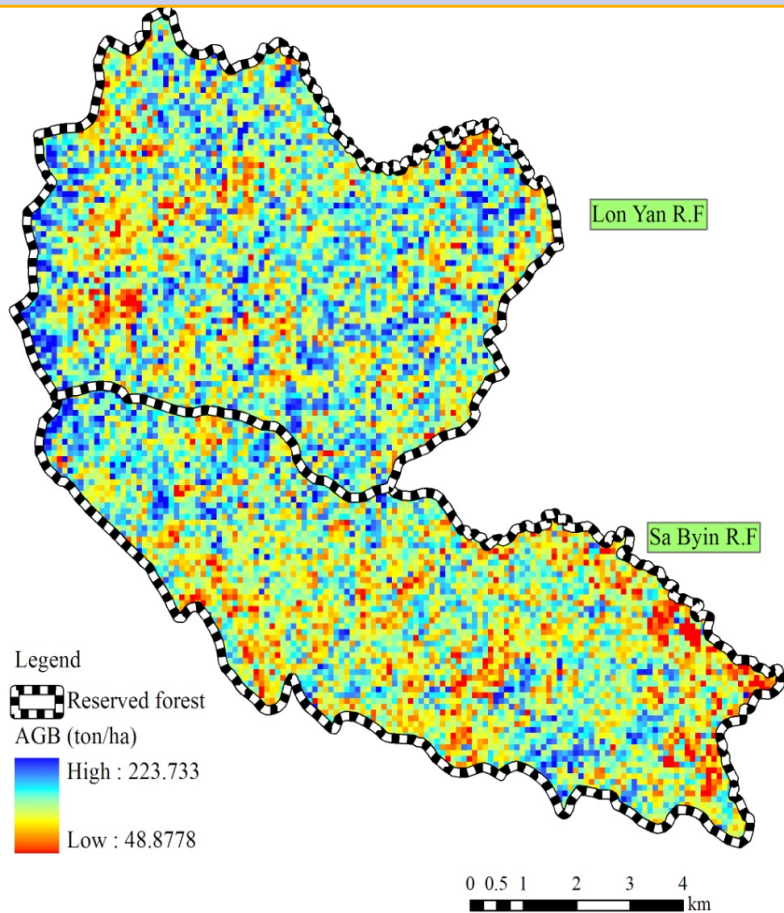
- Plot A- 40 m x 40 m
(≥ 20 cm DBH trees)
- subplots B is 20 m x 20 m
(≥ 10 cm < 20 cm DBH trees/saplings)
- Subplot C is 10 m x 10 m
(≥ 5 cm and < 10 cm DBH trees/seedlings)



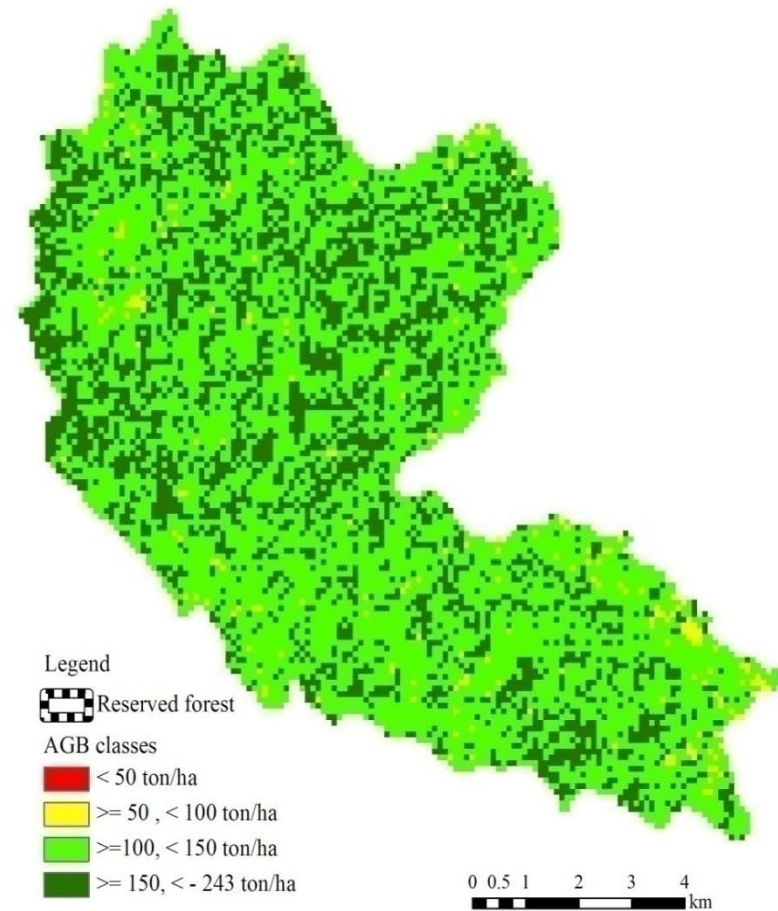
ONGOING REDD+ PROJECTS

RESULTS – AGB ESTIMATION

Overall accuracy of 60.18% and Kappa Statistics of 0.42



AGB estimation (tons/ha)



Categories of AGB estimation

ONGOING REDD+ PROJECTS

Major Drivers of Deforestation and Forest Degradation in Toungoo District

- Over-exploitation
- Illegal logging
- Shifting cultivation
- Expansion of agricultural land
- Infrastructure development
(eg. Hi-way express, industrial zones, gas and oil pipeline etc.)
- Expansion of urban areas
- Conversion to other land use (eg. Mining, rubber, oil palm and sugarcane plantation)



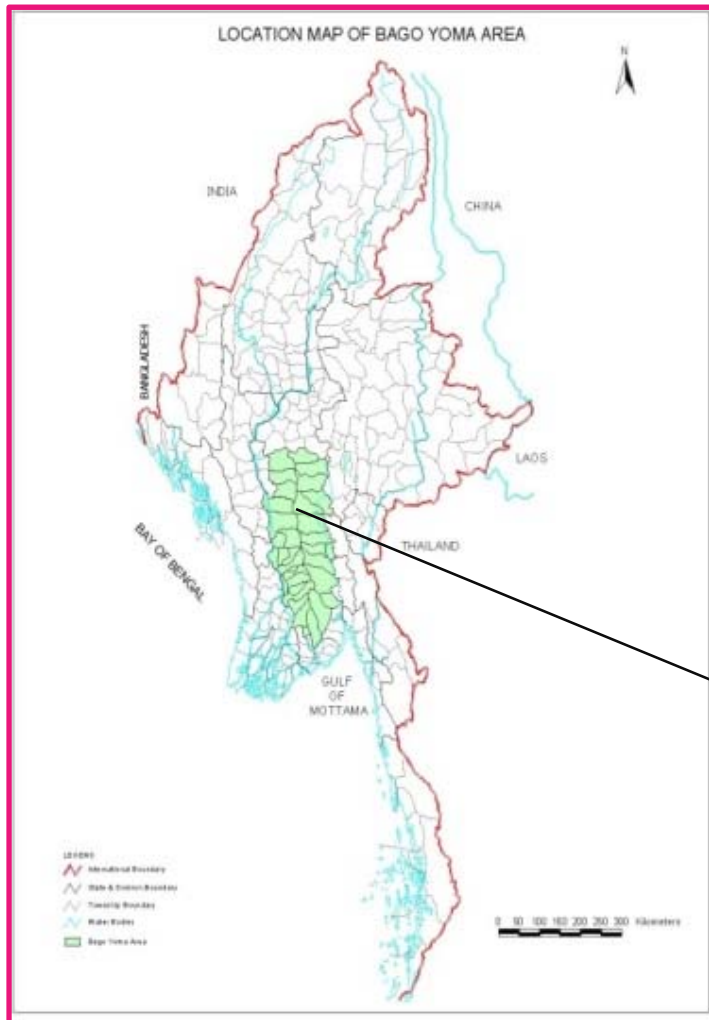
ONGOING REDD+ PROJECTS

2. ITTO funded project

- **Project Title:** Capacity building for developing REDD+ activities in the context of sustainable forest management
- **Implementing Agency:** REDD+ Core Unit, Planning and Statistics Division and Forest Research Institute, FD, MoECAF
- **Duration:** 2012-15. 3 years (budget: **571,890USD**)
- **Location:** Toungoo District, BagoYoma Region
- **Project Objective:** To strengthen individual and institutional capacities to implement REDD+ in Myanmar
- **Main activities:**
 - Prepare REDD+ national strategies;
 - Strengthen institutional setting for capacity building on REDD+;
 - Build capacity to conduct MRV of carbon stocks;
 - Capacity development and awareness raising;
 - Pilot REDD+ activities in Toungoo District.

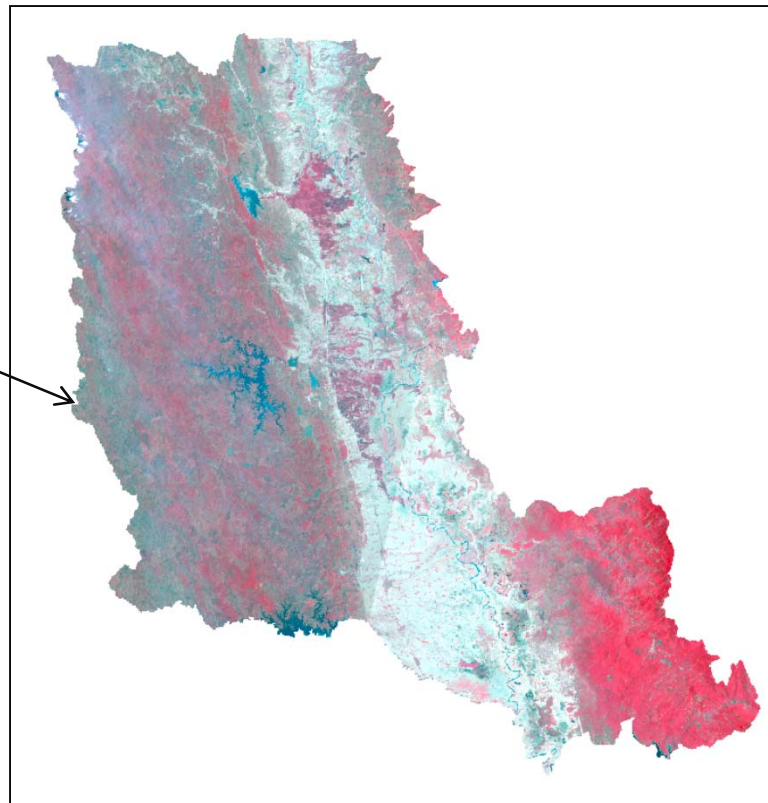


ONGOING REDD+ PROJECTS



Project Area


Taungoo District, Bago Region



ONGOING REDD+ PROJECTS

- Forest inventory was conducted in March 2013 in 19 reserved forests of Taungoo District to obtain field data for estimating above ground biomass using satellite imageries.
- Organized Initial National Consultation WS on REDD+ Road Map
- Regional consultation workshops in Bago, Shan, Ayeyawaddy and Sagaing for REDD+ Road Map development.
- National Validation WS on REDD+ Road Map
- Training on Mapping using GPS, Google Earth and UTM maps for field staff from Toungoo District in September 2013.
- Conducting 2 trainings on Bamboo Handicrafts Making in October and November 2013.
- National REDD+ Workshop on Capacity Building for Stakeholders on 17-18 December, 2013.

CHALLENGES

- Limited awareness about REDD+ (all relevant stakeholders)
 - Limited institutional and individual capacity to implement national level REDD+
 - Insufficient coordination and collective efforts to formulate guidelines for Safeguards
 - No clear policy and legal background on benefit distribution system as well as financial resource to test.
 - Limited quantitative data and information on major drivers of deforestation and forest degradation and underlying causes
 - Mainstreaming and integration of REDD+ and climate change agenda into National Development Plan as well as sectoral plans
- 

THE WAY FORWARD

- REDD+ Roadmap adoption and implementation
 - Capacity building and awareness raising
 - MRV, REL/RL
 - Social and environmental safeguards
 - Benefit distribution
 - Piloting



A photograph of a dense, lush green forest covering a hillside. The trees are thick and vibrant green, filling the entire frame. The sky above is overcast with grey clouds. The text "Thank You for Your Attention!" is centered in the middle of the image in a white, serif font.

Thank You for Your
Attention!