



EMISSION REDUCTION PROGRAM IN NORTH CENTRAL COAST, VIETNAM

Overview

**CF 17 Meeting
Paris, 30 January 2018**



Alignment with National Priorities & Commitment

- VN expresses strong political commitment to CC (UNFCCC, Paris Agreement, NDC with emission reduction targets of 8-25%)
- Alignment of national policies (National REDD+ Action Program, Green Growth Strategy, target program on Sustainable Forestry Development, Social Economic Development, poverty reduction etc.) – resources commitment
- Contribute to the implementation of the signed VPA/FLEGT and MoUs with neighboring countries
- Contribute to implementation of Directive 13 of Central Party Committee and Resolution 71 of the Government to control deforestation and conversion of natural forests; Forest Law 2017 & Planning Law 2017





ER-PD Development Process

REDD+ Readiness Preparation

- UN-REDD
- FCPF
- Projects

ER-PD preparation

- Technical work
- Consultations
- TAP assessment
- Revision & submission
- R-Package endorsed

Presentation of ER-PD at CF15

- Carbon accounting
- REDD+ registry
- Cross-sectors
- Interventions
- Safeguards

Revision of ER-PD

- Technical work addressing comments of CF15
- Consultations
- Re-submission

Pre- 2015

2015–Nov. 2016

Dec. 2016

2017/2018



ER Program Jurisdiction & Key Features

- **Government-based program & in line with national policies**
- **Covers 6 provinces with:**
 - 5.1 Mha of total land area
 - 2.8 Mha is under forest cover (2.1 Mha is natural forests)
 - 10.5 millions people (13 ethnic minority groups – 11.5%)
- **High biodiversity area**
 - 5 internationally recognized conservation corridors
 - 17 protected areas
 - 19 important international biodiversity areas
 - 1 UNESCO Man and Biosphere Reserve
 - 1 UNESCO World Heritage Site
 - Populations of 14 globally endangered species
 - Annamese Lowlands Endemic Bird Area
- **Most vulnerable area to climate change**

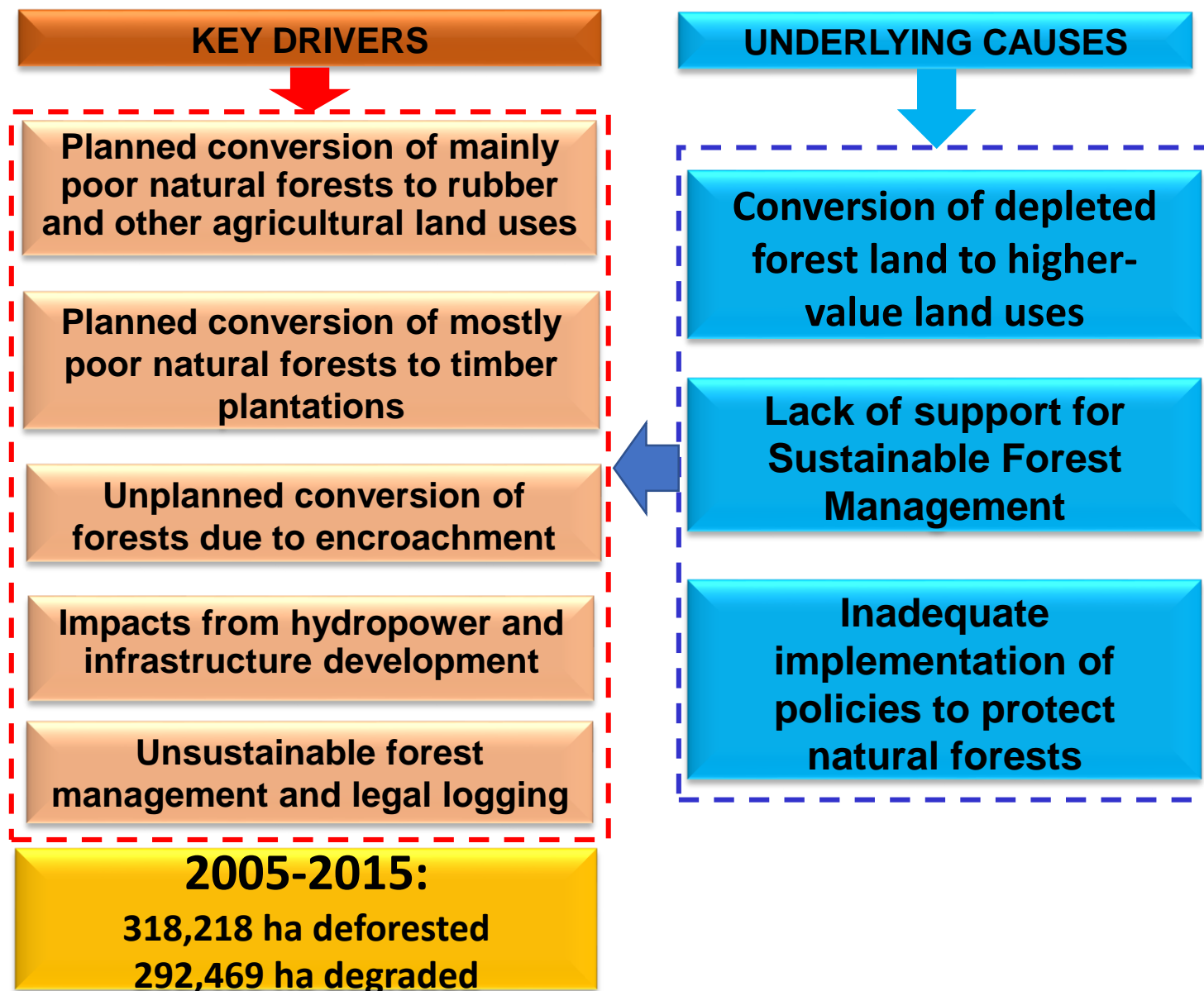




Deforestation & Degradation Drivers



- Circular 23/2013/BNTPTNT
- Poor tree species composition
- Low wood stock < 50m³/ha
- Not able to restore naturally



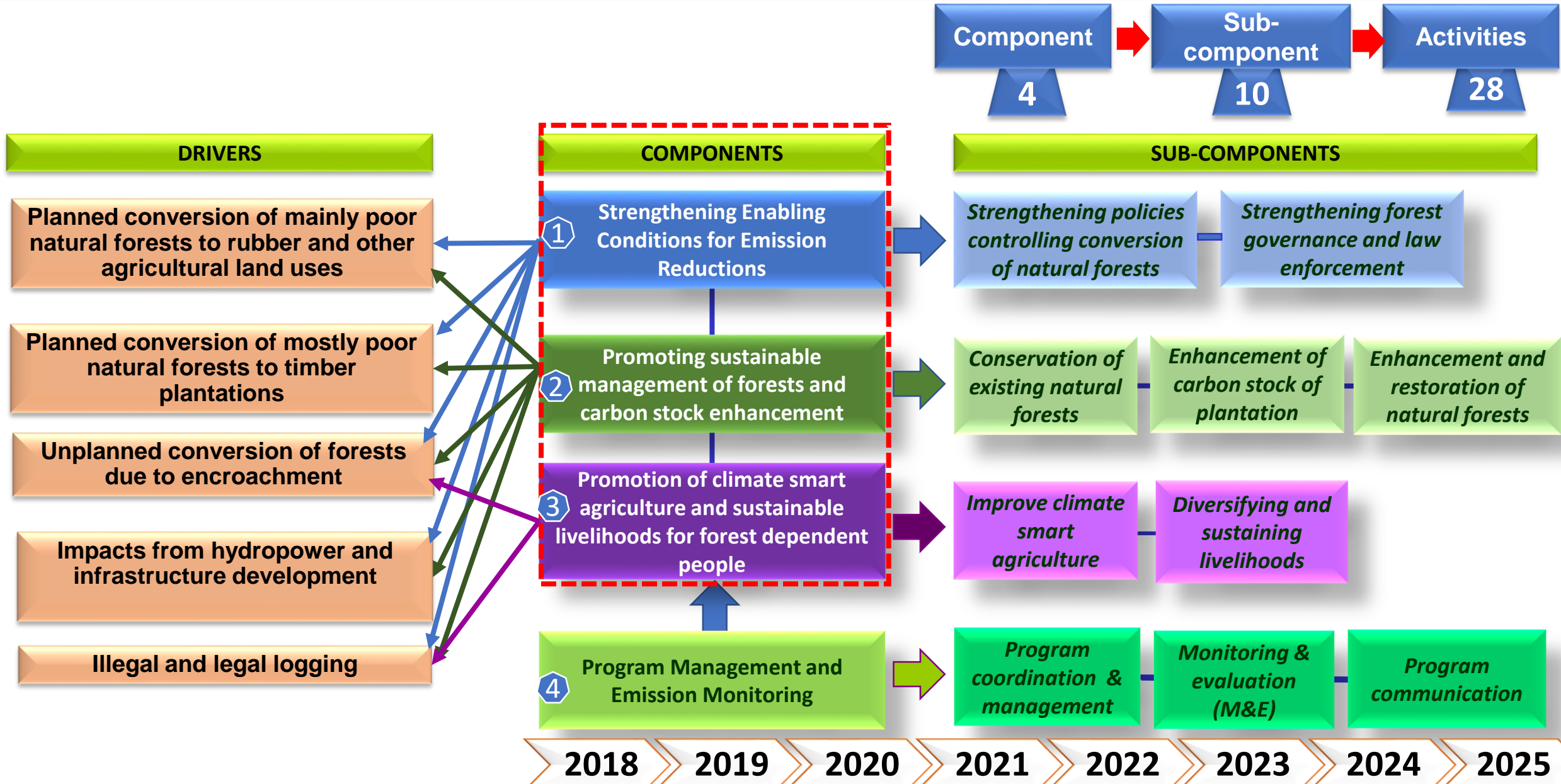


Intervention Principles

- Address **drivers** for deforestation and forest degradation (cross-sector interventions)
- Integrate into the governmental **investment programs and contribute to national priorities**
- **Meet technical requirements** to achieve emission reduction and sequestration targets
- Contribute to Vietnam's commitments on **emission reduction targets** (i.e. NDC)



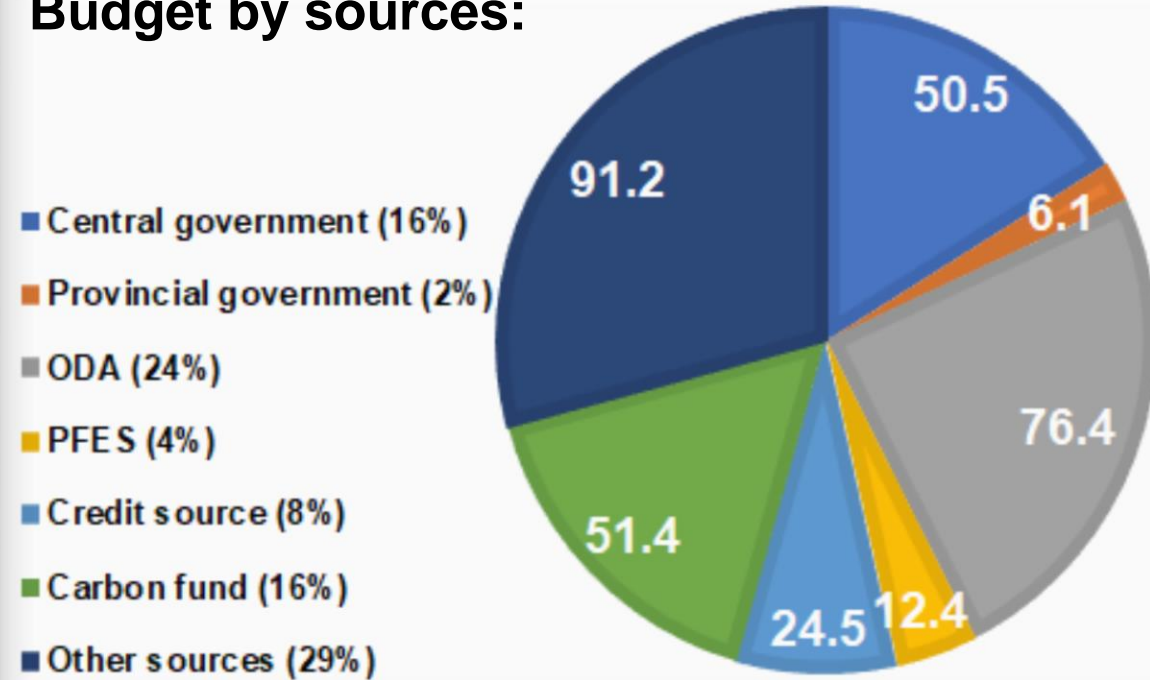
Overall ER-P Interventions





Program Budget and Financing

Budget by sources:



Financial gaps:



Program costs by components :

Components	Total (US\$)	Share (%)
Component 1 (US\$)	6,840,000	2.2%
Component 2 (US\$)	240,371,289	76.8%
Component 3 (US\$)	60,930,000	19.5%
Component 4 (US\$)	4,696,150	1.5%
Total (US\$)	312,837,439	100.0%

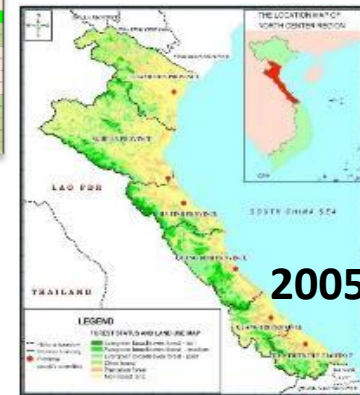


Reference Level 2005-2015

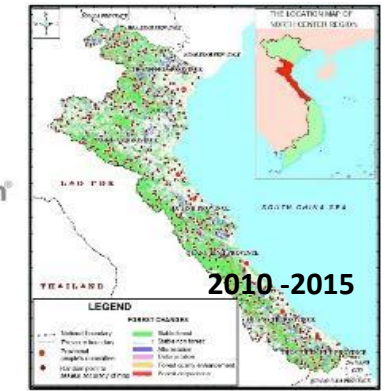
Activity Data Generation

Time series change of land use
2005-2010-2015

Year	Area (ha)	Forest	Non-Forest
2005	195,689	1,308	194,381
2010	195,689	1,308	194,381
2015	195,689	1,308	194,381



Accuracy assessment



Boundaries registration

Boundaries registration

Emission Factors

- Generated for 2005, 2010/2015
- National Allometric Equations (D, H & WD)
- Plot measurement data of NFIMAP (2005, 2010)
- IPCC defaults (C fraction, Root-to-Shoot Ratio)

- C pools: AGB & BGB
- Gases: CO₂
- Emissions and Removals separated



Reference Level 2005-2015

Emissions/Removals	2005-2015 (tCO ₂ e)	Average 2005-2015 (tCO ₂ e)
1. Emissions from deforestation	24,235,453	2,423,545
2. Emissions from forest degradation	84,759,232	8,475,923
3. Removal from reforestation	-15,134,394	-1,513,439
4. Removals from restoration	-47,622,417	-4,762,242
5. Total emissions	108,994,685	10,899,469
6. Total removals	-62,756,810	-6,275,681

Reference Level 2005-2015:

Emissions: 10,899,469 tCO₂/year

Removals: -6,275,681 tCO₂/year

Uncertainties:

AD: 4.5-17.0%

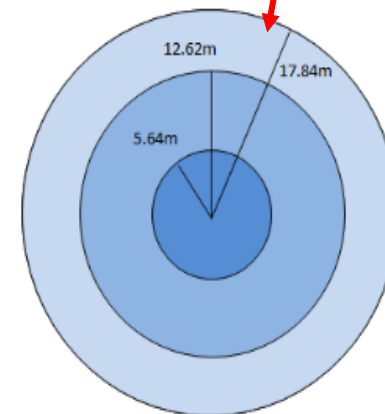
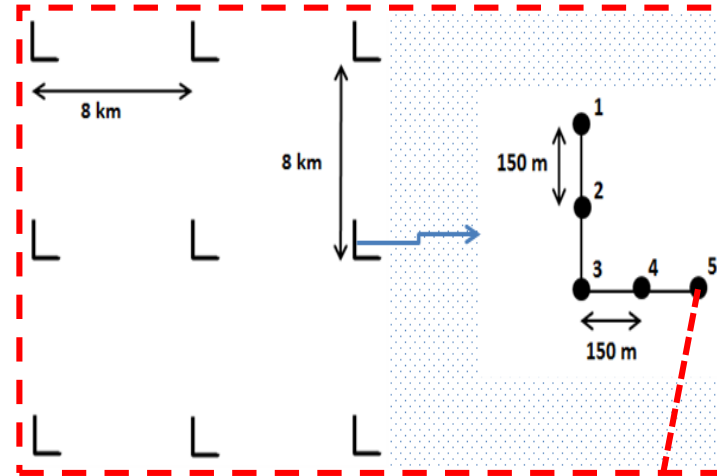
EF: 9.6-26.0%

Emissions & Removals: 27.0-34.5%

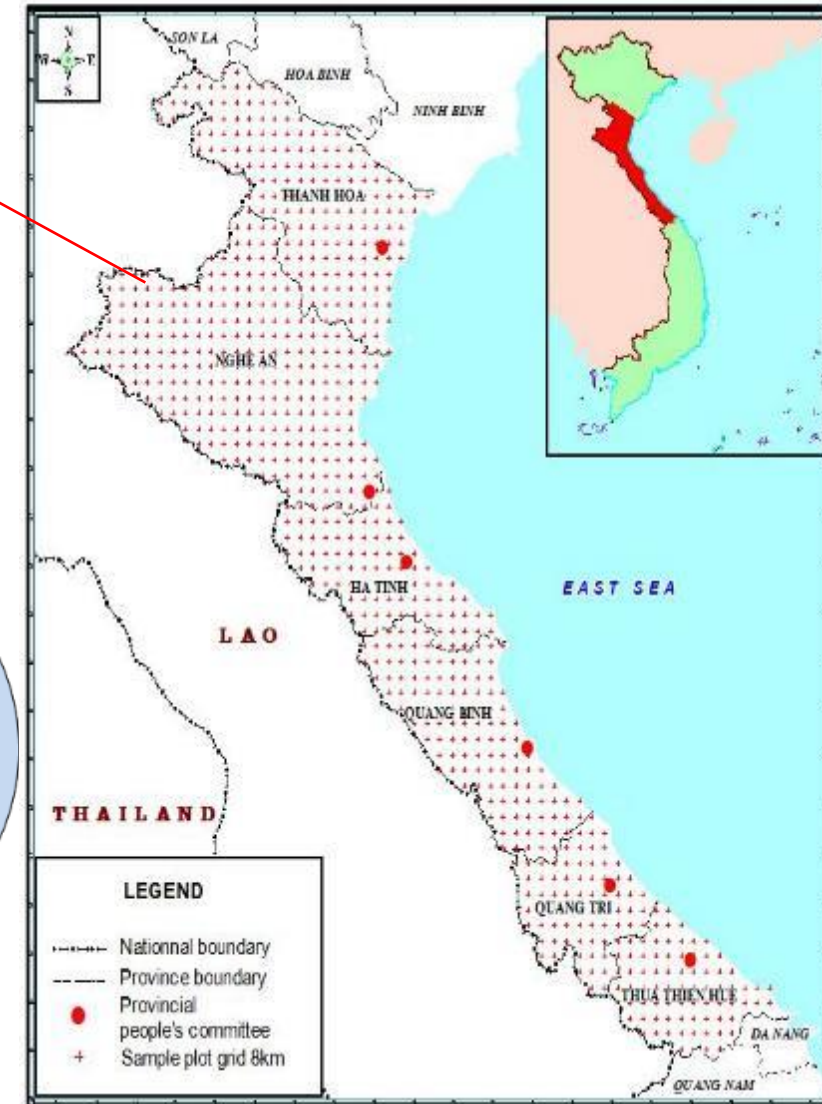


Measurement, Monitoring & Reporting

No	Province	Number of clusters	Number of plots
1	Thanh Hoa	179	895
2	Nghe An	252	1,260
3	Ha Tinh	87	435
4	Quang Binh	125	625
5	Quang Tri	72	360
6	T.T Hue	74	370
Total		789	3,945



- Supported at national, provincial & commune level
- **Consistent with FREL/FRL methodology**
- 2015 cover map is a base map for 2020 cover maps & 2020 cover map is base for 2025 cover map;
- **Time-series tracking of area of changes;**
- **Updating EF based on NFIMAP of NCC;**
- Monitoring & updating emissions and removals for 2020 & 2025;





Estimated Emission Reduction (tCO₂e)

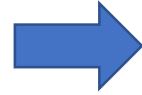
ERPA term	Estimated emissions	Estimated removals	Estimation net emissions (incl. removals)	Estimated set-aside uncertainty and reversal risk (4%+21%)	Estimated Total ERs
Total 2019-2024	52,131,264	-50,388,217	1,743,047	6,499,895	19,499,684
Total 2018-2025	69,508,353	-65,423,938	4,084,414	8,226,438	24,679,315



Safeguards

SESA Analysis

- Consultations
- Socio-economic profile ethnic minority issues
- Forest dependency, use of NTFPs and livelihoods
- Land tenure and access to resources in ER-P areas
- Land problem and disputes
- Customary rights
- Community forest management and forest land allocation
- Gender, women and forestland use right



ESMF

Supporting ethnic minorities: small scale livelihoods; land tenure security, sustainable forest management, community involvement

WB Operational Safeguards policies/Bank Procedures

Social and environmental risk analysis and mitigation measures

Forest Law 2017:

- Renewable, transferable guaranteed land and forest titles (Article 4, 94),
- Support for involvement of communities in sustainable forest management (Article 102); obligations toward communities involvement (Article 104)
- Strengthening forest governance and prohibition of conversion and change of use of natural forest (Article 9, 14)
- Introduction and clear support to the use of benefit sharing mechanisms that include local communities (Article 3,4,86)



ER-P Implementation

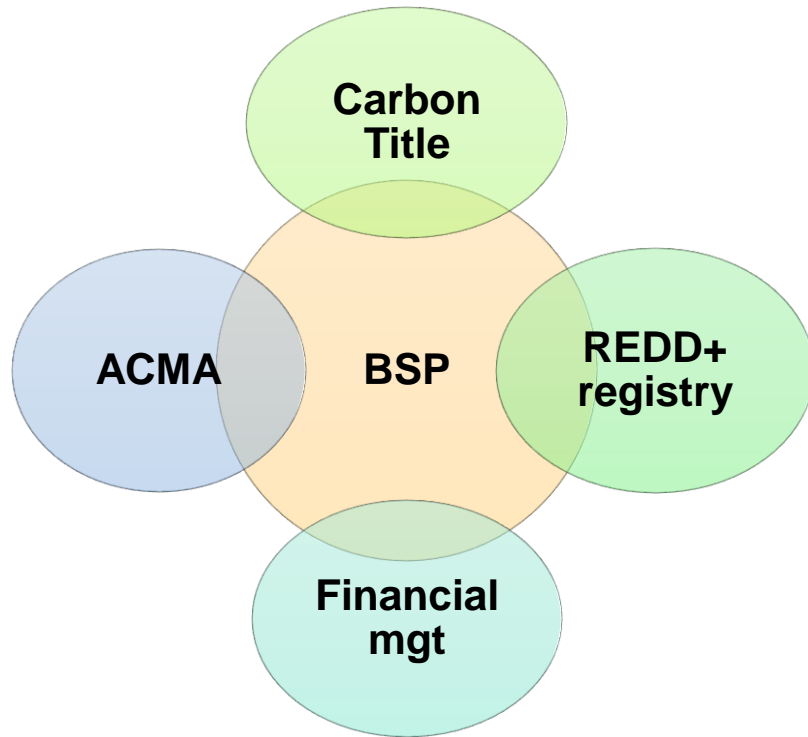
Arrangements to provide information on safeguards: SIS, ER-P M&E system, Independent monitoring, capacity building for safeguard monitoring

Feedback and Grievance Redress Mechanism

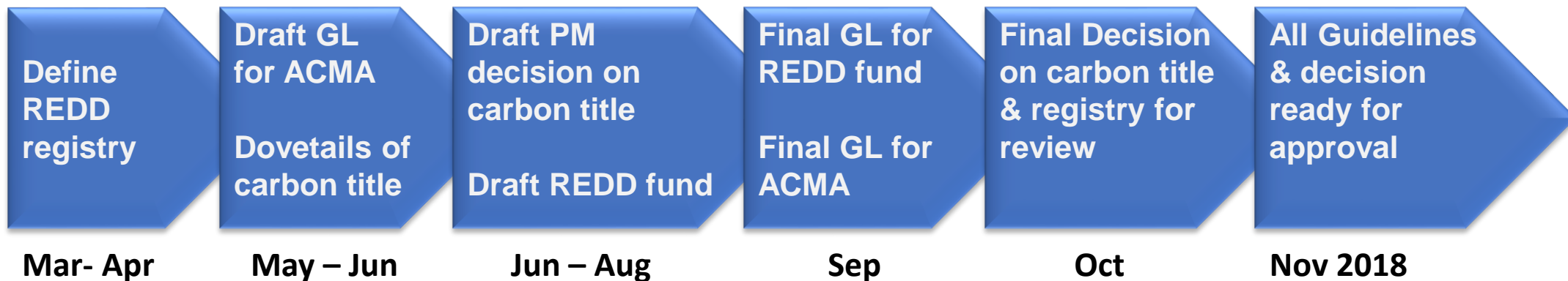
Benefit Sharing Mechanism: ACMA process, BSM monitoring



Benefit Sharing Plan



- The BSP will be made publically available prior to the ERPA signature
- Developed based on the linkages between Safeguards, BSM, FGRM and the eventual carbon title and a transparent REDD+ registry that allows public access
- The BSM works through the ACMA which supports a collaborative process
- Categories of beneficiaries identified and prioritised through the RNA/SSR process and through individual registration of interests in forest use

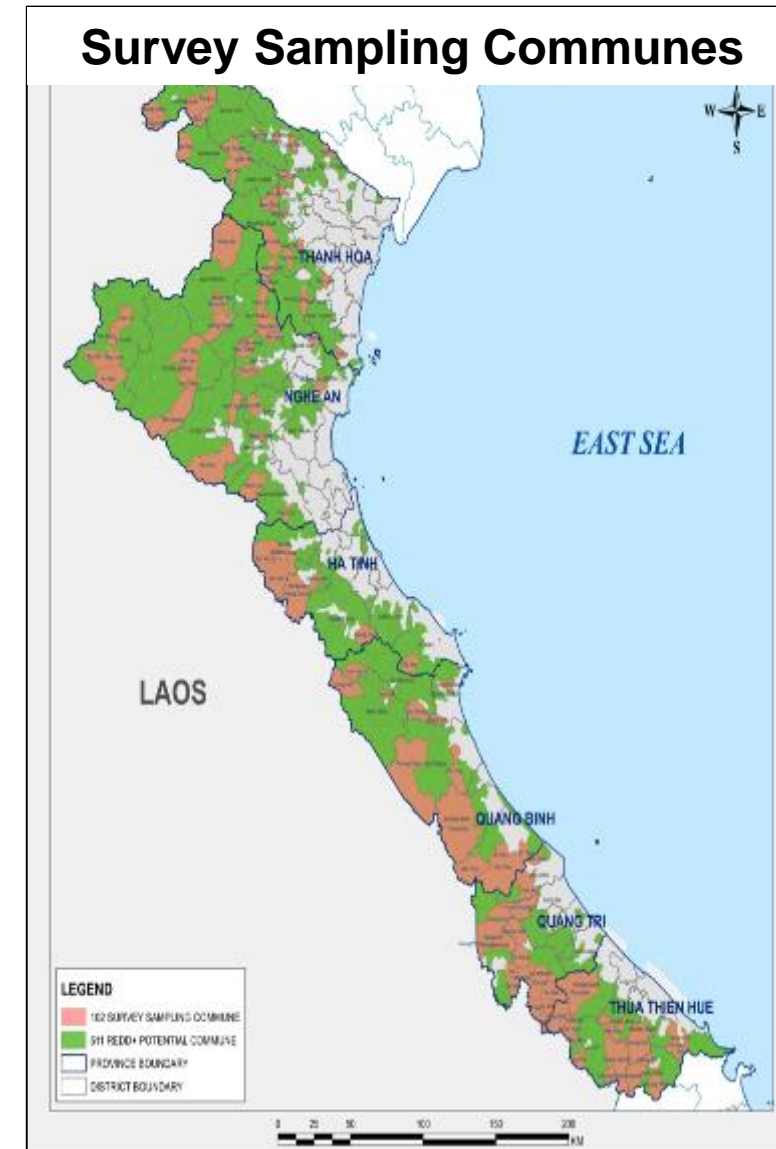




Stakeholder Consultation & Participation



- Consultations held at different levels & stakeholders
- **1,463** participants involved, **21%** is female participants
- **9** regional & national consultations
- **18** provincial consultations
- **8** district consultations
- **12** communal consultations
- **29** village consultations
- **17** consultations with NGOs, forest entities
- **3,060** HHs in **204** villages of **120** communes for socio-economic survey



Our sincere thanks and appreciations to many people and organizations who made great contribution to the preparation of Vietnam ER-PD

