Challenges of Scaling for FREL/FRL and Monitoring -Case Study of Several Countries-
Submission status of FREL/FRL

Brazil; Colombia; Costa Rica; Ecuador; Ethiopia; Guyana; Indonesia; Malaysia; Mexico; Paraguay; Peru; Vietnam; Cong
Viet Nam’s Submission on Reference Levels for REDD+ Results Based Payments under the UNFCCC

Figure 2: Proposed FREL/FRL for Viet Nam in M tCO$_2$e per year
Future Challenges on FREL/FRL

- FRL for National scale
  - Monitoring
  - Scaling-down
  - Scaling-up
  - Replication
  - FRL for Sub-national/project scale
- FRL for Sub-national/project scale
- FRL for National scale

Stepwise approach
Challenge 1
Scaling-up and Scaling-down of FREL/FRL
FREL/FRL under Different Scales

- Provincial REDD action plan
  - 1 Province
  - With adjustment

- FCPF ER-PD
  - 6 Provinces
  - Taking into account circumstance (TBD)

- UNFCCC
  - National
  - W/WO adjustment
Magnitude of Scale Differences on FREL/FRL

National Scale

Regional Scale

North Region

Central Region

South Region

(M CO2t)

Deforestation
Afforestation
Remaining Forest

(20)
(40)
(60)

(90~95’)
(95~00’)
(00~05’)
(05~10’)

(90~95’)
(95~00’)
(00~05’)
(05~10’)

(90~95’)
(95~00’)
(00~05’)
(05~10’)

90-95’
95-00’
00-05’
05-10’
Challenge 2
Monitoring and Revision of FREL/FRL
Challenges of Scaling towards 2020

- Monitoring against FREL/FRL

- Improvement of FREL/FRL (Additional snapshot of forest map, Geographically scaling-up, Additional field inventory for improvement of EF)

Mutual cooperation among different scale (Central-Local) is indispensable.
Case of Indonesia
Overview of Proposed Temporary Inputs & Outputs (AGB)

National LC Maps (historic)  
<mainly Landsat>  
(approx. 1:250,000; Bi-annually)

- Base (0 yr)
- Sharing change (1 yr)/Higher accuracy
  - RAD-GRK Reporting (PEP)<Gain & Loss>

National Forest Inventory/NFI (PSP/TSP)

- Sharing change (1 yr)/Higher accuracy

Provincial-detailed LU/LC Maps  
<mainly SPOT+ Systematic GT>  
(approx. 1:50,000; Annually)

- PD & program endorsement (e.g. VCS)
- Sharing change

Provincial (stakeholders’) -managed PSP/TSP* <Land Biomass Sample Plot Survey>(at least per LU/LC class)

- PD & program endorsement (e.g. VCS)
- Sharing change

Area-specific detailed LU/LC +FD Maps (Current Design & Monitoring)  
<mainly SPOT or higher resolution+ Systematic GT> (1:50,000 or larger; Annually)

- Supplement to GT

Project-managed PSP*  
<Forest Biomass Sample Plot Survey> (+Forest class)

- Sharing change

*Not always following the Specification of Sampling of NFI

Daily FD monitoring by Collaborative management  
(KPH[e.g. NP]-village-private sector) (e.g. landscape resource management rules)

Periodic PSP monitoring  
(e.g. measured by third party [procured by lend manager [e.g. KPH/Proponent etc.] )

Field stakeholders

PD: Project Design  
FD: Forest degradation

ENG Summary Draft Integrated Subnational MRV 11
Case of Vietnam
Case of India
Conclusions

- Development of FREL/FRL methodology taking into consideration of include different frame work

- Further work shall be conduct for revision of FREL/FRL and monitoring

- Promote mutual collaborative work between central and local