

Developing a Sustainable AFOLU GHG System

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Outline

- Lessons learnt from INC & NC2
- Moving on from NC2 to NC3
- Addressing AFOLU at the national level
- Challenges
- Conclusion

Flash Back

- INC

- First experience
- Developed by consultants
- No capacity built
- Institutional memory lost in transition
- Limited consultation

- NC₂

- Pre-NC₂ activities
- Clear institutional arrangement with TORs
- Capacity building
- Engagement and consultation from the start with stake holders

Improvements in NC2

- Expansion on activity data
- Local emission factors
- Uncertainty assessment
- QA/QC
- Documentation of information using the USEPA's Source by source template
- Capacity building
- R&D agenda

Now

- Transition from NC₂ to NC₃
 - Weakness in NC₂ being addressed:
 - Institutional arrangement
 - Harmonization of national reporting
 - Data gaps and national depository
 - Emission factors
 - Capacity building
 - Additional coverage – waste
- NC₃
 - Improved emission factors
 - Land based accounting
 - Development of national templates
 - Capacity building

Actions at National Level

- National GHG Committee
- National Technical Committee
- FRIM leads LULUCF
- MARDI leads Agriculture
- Approach: sub regional –
 - P. Malaysia, Sabah & Sarawak
- Base year 2005
- IPCC 2006 GL

Data Collection

- Harmonization of land use categories (FD &DOA)
- Aggregation of minor land use categories
- Validation of national statistics
 - Ground thruthing
 - Geospatial images
- Development of activity data
- AD and soil type

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Soil classification



Challenges

- Updated land use data/maps
- Tracking changes within private properties
- Agricultural crops
- Matching soils with land use
- Emission factors – esp soil

Conclusion

- Sustainable GHG inventory is in place for the AFOLU sector
- Capacity building amongst new inventory compilers on-going
- Improvement in the agriculture sector is being planned – 2012-2013
- Challenges are gently being addressed