



# Validation and Verification experiences under the Verified Carbon Standard

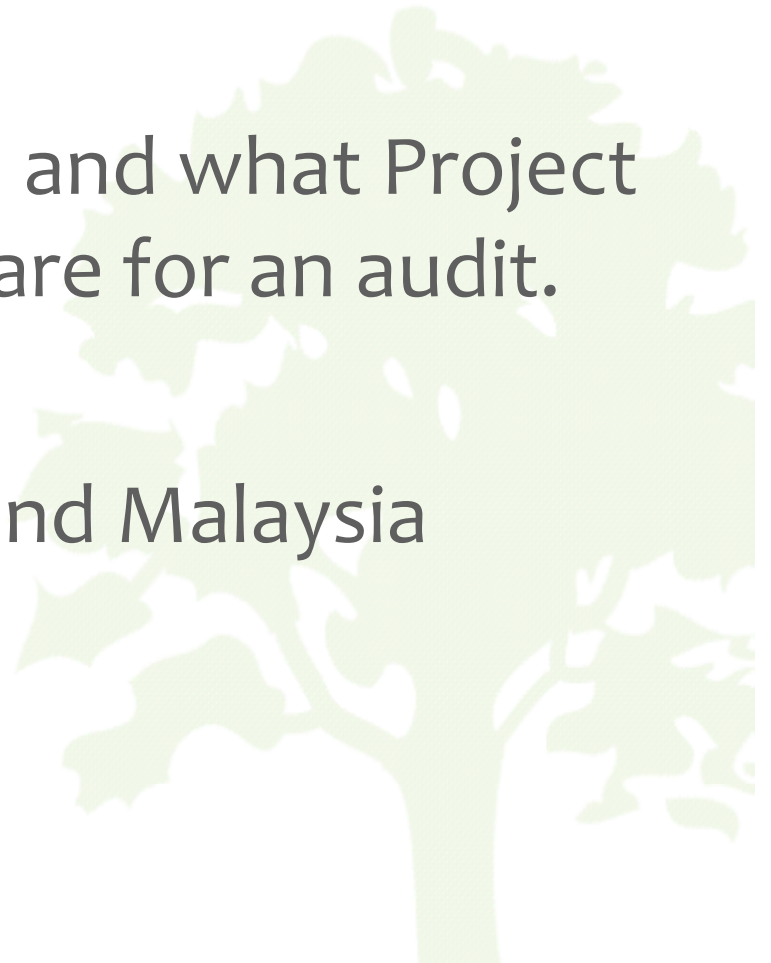
COP17, 3 Dec 2011, Durban.

Tasila Banda, Carbon Project Manager.



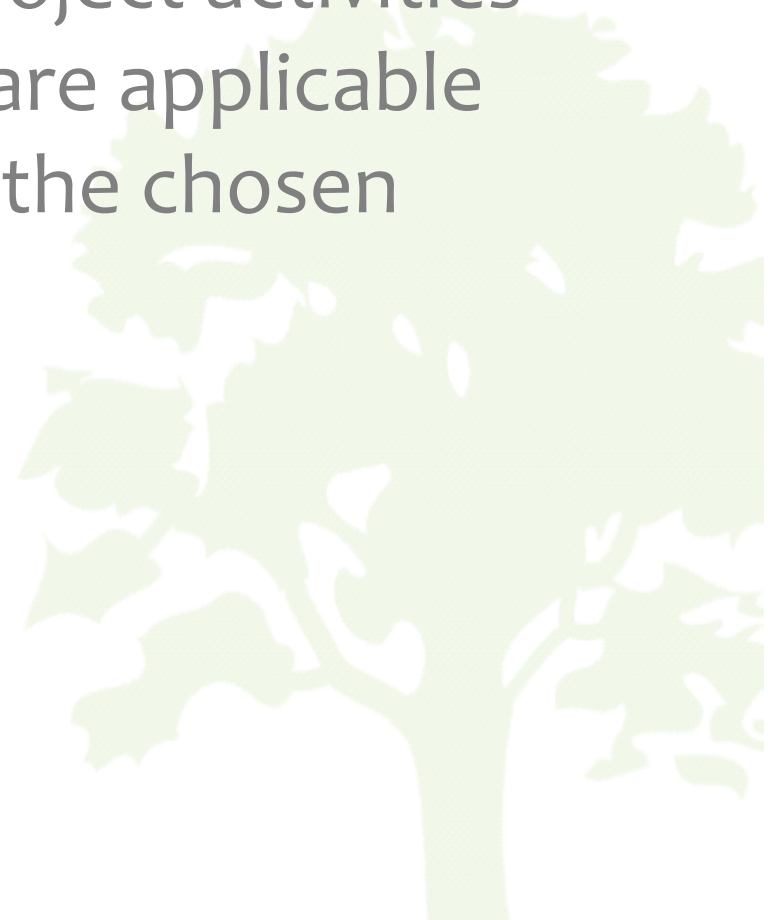
# Content

- Basic principles of Validation and Verification
- What the Auditors look for, and what Project Proponents can do to prepare for an audit.
- Lessons from the Uganda and Malaysia



# Objectives of Validation & Verification

To ensure that thorough, independent assessment of proposed project activities submitted for registration are applicable under the requirements of the chosen standard.



# The Principles of Validation & Verification

- Consistency
- Transparency
- Impartiality
- Independence
- Confidentiality

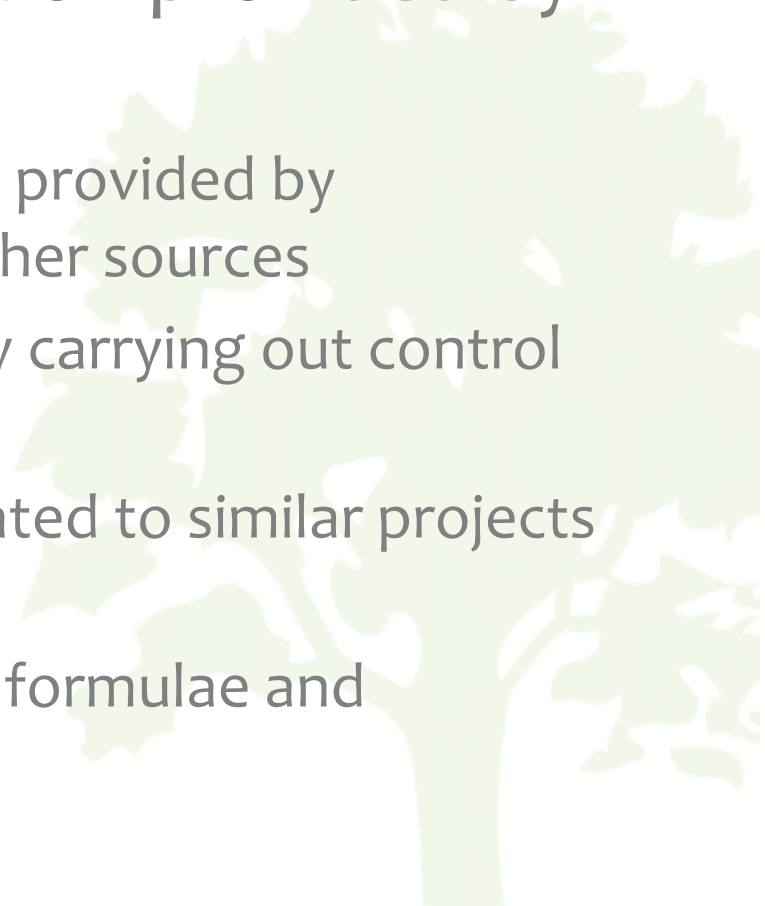


# Means of Validation & Verification

- Standard auditing techniques to assess the correctness of the information provided by PP's.
  - Document review
    - Data and information review
    - Comparison of information in PDD with other independent sources.
  - Follow-up actions
    - Site visits
    - Telephone calls
    - Email interviews

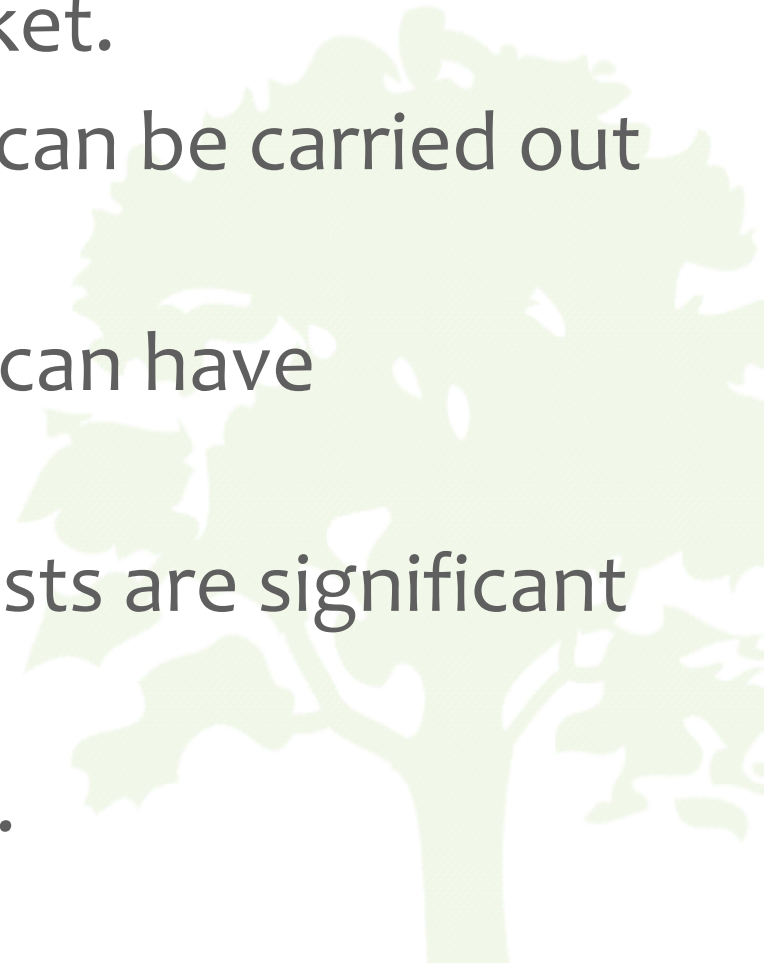


# Means of Validation & Verification

- Standard auditing techniques to assess the correctness of the information provided by PP's.
    - Cross checking of information provided by interviewed person(s) with other sources
    - Cross checking of field data by carrying out control measurements
    - Reference to information related to similar projects or technologies
    - Review of appropriateness of formulae and correctness of calculations.
- 

# Our Experiences

- Same certification organisations for both voluntary & regulated market.
- Validation and Verification can be carried out concurrently.
- Certification organisations can have backlogs.
- Validation & Verification costs are significant (>\$50,000.00).
- The process takes 1-3 years.



# Our choice of a certification body

- High commitment
- Transparent communication
- Responsive
- Ability to meet strict deadlines
- Realistic proposal for audit days and costs

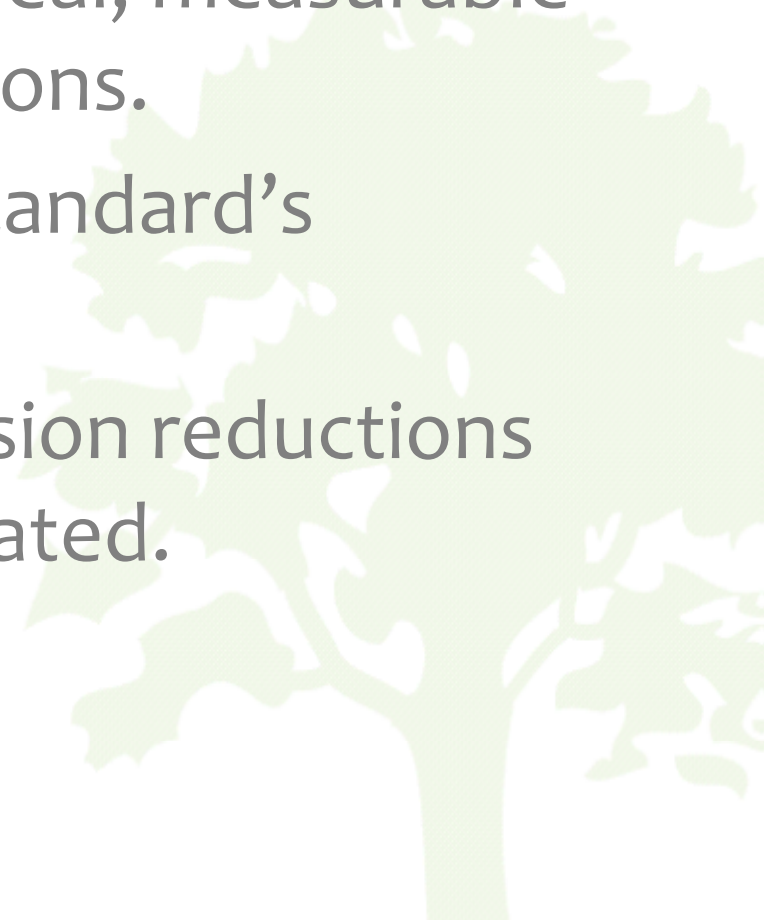






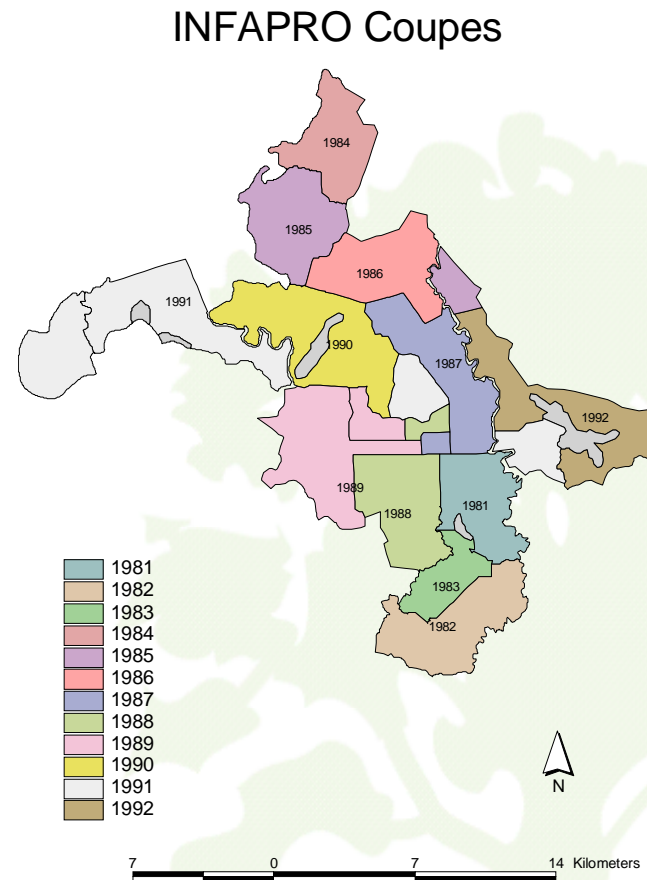
## NRs, NIRs, OFIs!

- Mistakes that will influence the ability of the project activity to achieve real, measurable additional emission reductions.
- Inability to meet specific Standard's requirements
- Inability to show that emission reductions can be monitored or calculated.



# Example of an NIR for INFAPRO

- The PD indicates that initial logging of the project area occurred over a period between 1981-1992. Given this, please provide a justification for the baseline assumption that re-logging would have taken place in a single year in the absence of the project.





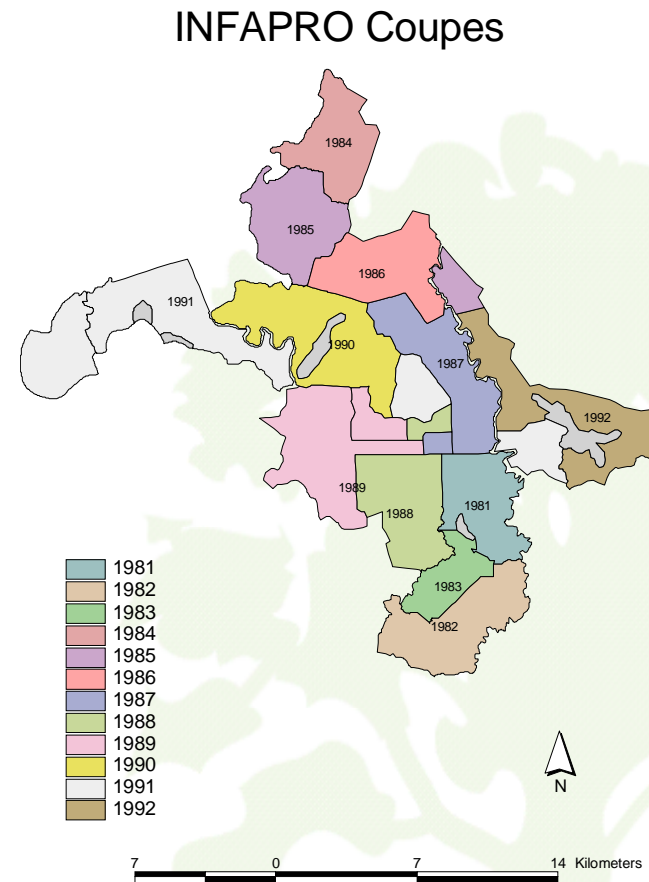
# An example our NIR Response

## Example of New Information Request for INFAPRO:

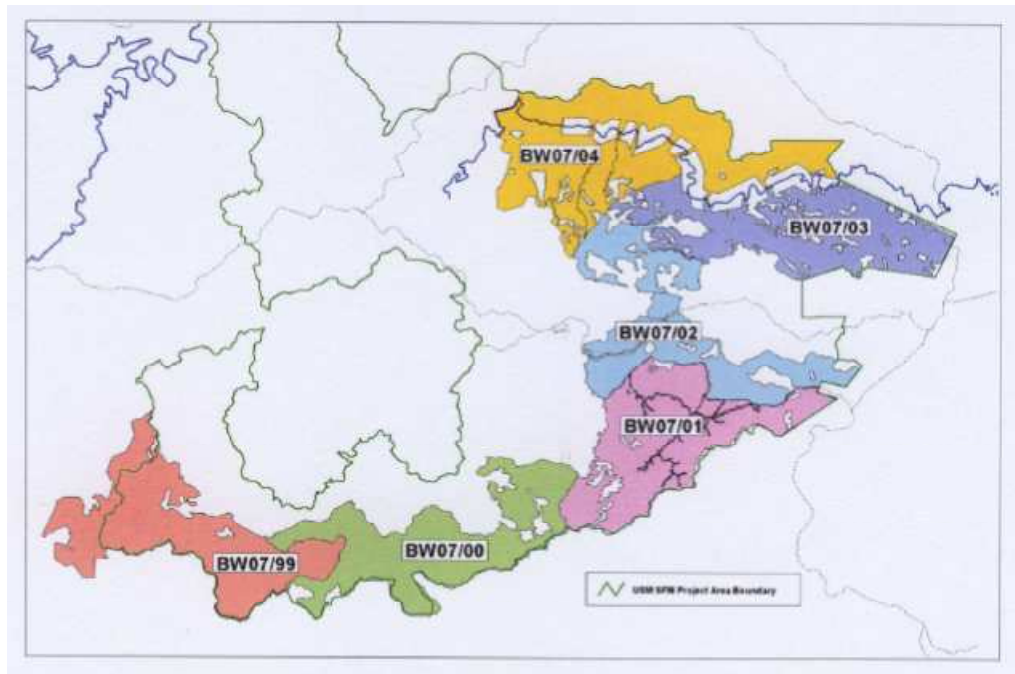
- The PD indicates that initial logging of the project area occurred over a period between 1981-1992. Given this, please provide a justification for the baseline assumption that re-logging would have taken place in a single year in the absence of the project.

## Response:

- The first logging round in INFAPRO was in primary forest, with high harvesting volumes, which requires more time for logging operations. The second time, timber volumes were lower but the areas where larger.



# Re-logging areas around INFAPRO




Relogging year	Area (ha)
1999	15.711
2000	20.487
2001	20.381
2002	19.557
2003	21.240
2004	25.126
2006	26.998







# NCR

 <b>SCS FINDINGS FORM</b>	
<b>Check one:</b> <input checked="checked" type="checkbox"/> <b>Non-Conformity Report (NCR)</b> <input type="checkbox"/> <b>New Information Request (NIR)</b> <input type="checkbox"/> <b>Opportunity for Improvement (OFI)</b>	
1. Finding Number	
2. Name of SCS Representative Submitting Form	
3. Position of SCS Representative	
5. Company Audited	
6. Company Site (City, State)	
7. Authorized Company Representative Name	
8. Authorized Company Representative Title	
9. Relevant Area/Department/Function of Company	
10. Due Date of Response by Company	
11. Document Reference (if applicable): MR	12. Standard Reference (If applicable): AR-ACM0001
<b>13. FINDING:</b> <i>(Describe and provide objective evidence)</i> The methodology AR-ACM0001-Version 05.0.0 requires that the plots where measurements were taken are PSP. Although the MR mentions that they are PSPs, there is no mention of how they have been monumented. Therefore clarify and update the MR to reflect monumentation.	



# Response to NCR

## 15. CORRECTIVE ACTION OR PREVENTIVE ACTION OR NEW INFORMATION PROVIDED:


*(Describe and provide objective evidence)*

The Project Proponent acknowledges that the monumentation of plot centers can be improved by labeling them with a permanent visible item. Our goal is to have each plot circle marked with a concrete marker by the end of 2011.





# NIR

 <b>SCS FINDINGS FORM</b>	
<b>Check one:</b> <input type="checkbox"/> Non-Conformity Report (NCR) <input checked="" type="checkbox"/> <b>New Information Request (NIR)</b> <input type="checkbox"/> Opportunity for Improvement (OFI)	
1. Finding Number	
2. Name of SCS Representative Submitting Form	
3. Position of SCS Representative	
5. Company Audited	
6. Company Site (City, State)	
7. Authorized Company Representative Name	
8. Authorized Company Representative Title	
9. Relevant Area/Department/Function of Company	
10. Due Date of Response by Company	
11. Document Reference (if applicable): PDD Section A.4.2	12. Standard Reference (If applicable): AR-ACM0001
<b>13. FINDING:</b> <i>(Describe and provide objective evidence)</i> In the PDD section A.4.2 and Table A.4.2.1, please provide more information on the coordinate systems for easy identification of these points on the ground.	

# Response to NCR

## 15. CORRECTIVE ACTION OR PREVENTIVE ACTION OR NEW INFORMATION PROVIDED:

(Describe and provide objective evidence)

Statement describing Table A.4.2.1 of section A.4.2 of the PDD has been updated as follows:

**Table A.4.2.1. Unique identification of the polygons for the KNP project (coordinates in UTM ARC 1960 Zone 36N).**

Table A.4.2.1. Unique identification of the polygons for the KNP project

Compartment ID	Grid Coordinates	
	Eastings	Northings
1	200707	44462
2	201537	44553
3	201445	45466
101	202919	39805
102	203380	39166
103	203196	40444

Compartment ID	Grid Coordinates	
	Eastings	Northings
204	204669	34418
205	201628	41997
206	200707	43275
207	210204	40533
301	199877	44554
403	200893	48114

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# OFI

 <b>SCS FINDINGS FORM</b>	
<b>Check one:</b> <input type="checkbox"/> Non-Conformity Report (NCR) <input type="checkbox"/> New Information Request (NIR) <input checked="" type="checkbox"/> Opportunity for Improvement (OFI)	
1. Finding Number	
2. Name of SCS Representative Submitting Form	
3. Position of SCS Representative	
5. Company Audited	
6. Company Site (City, State)	
7. Authorized Company Representative Name	
8. Authorized Company Representative Title	
9. Relevant Area/Department/Function of Company	
10. Due Date of Response by Company	
11. Document Reference (if applicable): Monitoring Report	12. Standard Reference (If applicable): NA
<b>13. FINDING:</b> <i>(Describe and provide objective evidence)</i>  <p>It was noted during the audit that the field teams were highly reliant on Field Map for locating plots and conducting the forest inventory. While it was observed that the inventory was of high quality and found to be accurate, it would be good practice for the project proponent to develop an alternative method of locating plot centers and inventorying plot data that did not rely exclusively on Field Map.</p>	



# Response to OFI

## 15. CORRECTIVE ACTION OR PREVENTIVE ACTION OR NEW INFORMATION PROVIDED:

*(Describe and provide objective evidence)*

Project proponents where already planning to carry out research on other alternative monitoring methodologies after the project successfully goes through verification this summer.




# From Verification to Registration

- Auditors
  - Validation statement
  - Verification statement
  - Validation and verification report
- Project Proponents
  - Validation and Verification representation
  - Project Documents (PD, Monitoring Report, RA, etc).
- Procedural check by the Registry.





# Natural high forest rehabilitation project on degraded land of Kibale National Park



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A Global Benchmark for Carbon

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Uganda

Sectoral Scope

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11. Fugitive emissions from indu





12. Solvents use

13. Waste handling and disposal

14. Agriculture, Forestry, Land Use

SEARCH ▶

Project Search Results



Project ID	Project Name	Project Proponent	Country	Sectoral Scope	Estimated Annual VCUs	Additional Certifications
673	Natural High Forest Rehabilitation Project on degraded land of Kibale National Park	Face the Future	Uganda	14. Agriculture, Forestry, Land Use	74181	

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# INFAPRO Rehabilitation of logged-over dipterocarp forest in Sabah, Malaysia



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Sectoral Scope

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SEARCH

Project ID	Project Name	Project Proponent	Country	Sectoral Scope	Estimated Annual VCUs	Additional Certifications
672	<a href="#">INFAPRO Rehabilitation of logged-over dipterocarp forest in Sabah, Malaysia</a>	<a href="#">Face the Future</a>	Malaysia	14. Agriculture, Forestry, Land Use	138013	

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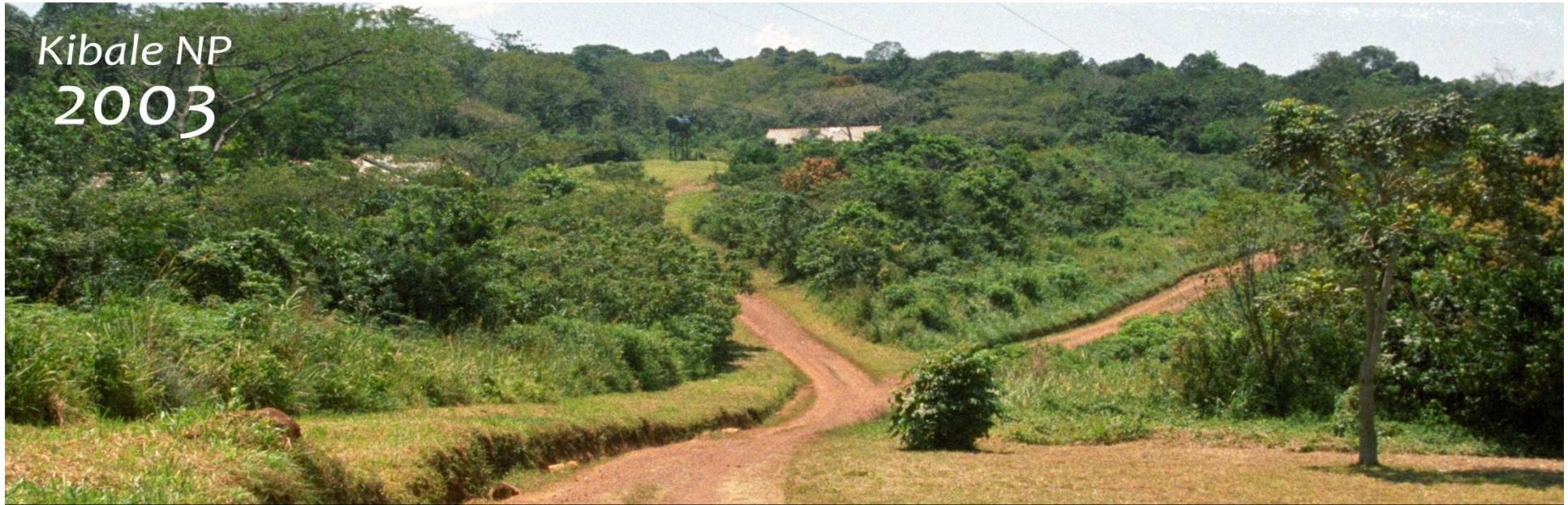
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# Thank you..

Kibale NP  
2003



Kibale NP  
2011

