

Strengthening of Guyana's Technical Capacity to Implement MRVS & Other REDD+ Related Activities



Guyana Forestry Commission
July 17, 2014

Objectives of REDD+ Strategy Development

- ▶ The design and selection of REDD+ Candidate Activities have been developed to address the respective drivers of forest area change in Guyana, more specially, mining, logging, infrastructure, fire and agriculture as well as the need for building of capacities to support this process.
- ▶ As such, the following activities are expected to be conducted:
 - ▶ identify and assess the feasibility of three (3) priority REDD+ Strategy options through analysis of the environmental and socio-economic risks for the proposed options.
 - ▶ Conduct a trade-off analysis/cost-Benefit Analysis (CBA) of each REDD+ candidate activity.
 - ▶ Identify means of modification of the potential REDD+ Strategy options to compensate affected institutions and various stakeholder groups.



Background

- ▶ Direct Drivers of Deforestation & Forest Degradation in Guyana - direct human activities that result in forest cover and forest carbon loss
- ▶ Indirect Drivers of Deforestation and Forest Degradation - Activities relating to social, economic, political, cultural and technological factors occurring at multiple scales - int'l, national, local.
- ▶ Prioritization of the Drivers and Potential Strategy Options - identified by the extent of the forest area change and emissions as well as by stakeholders, of both the forest area change and the drivers.
- ▶ Development of REDD+ Strategy Options - is to encompass a range of programmes to reduce the level of carbon emissions, compared to the reference scenario, and to promote local development and social inclusion.

Approach to REDD+ Strategy Development

- ▶ Develop a Framework for Identifying Drivers
- ▶ Identification & Evaluation of Candidate Activities
- ▶ Outline of Preliminary Strategy Options
- ▶ Focus Groups for the Prioritisation Analysis of Candidate Activities
- ▶ Formulation of strategy options
- ▶ Cost Benefits Analysis of strategy options
- ▶ Outline of compensation alternatives

Stakeholders Sessions - Objectives

- ▶ Facilitate stakeholder identification and analysis of relevant impacts for drivers and activities
- ▶ Assess the stakeholders' perspectives on:
 - ▶ what should be the main outcomes of the REDD+ strategy options
 - ▶ what are the key factors affecting these outcomes
 - ▶ what are preliminary activities/preconditions for the success of the strategies
- ▶ Elicit the stakeholders' opinions on candidate activities and preliminary strategy options
- ▶ Identify additional candidate activities and strategy options, and
- ▶ Rank candidate activities and preliminary strategy options.

Stakeholders Sessions - Methodology

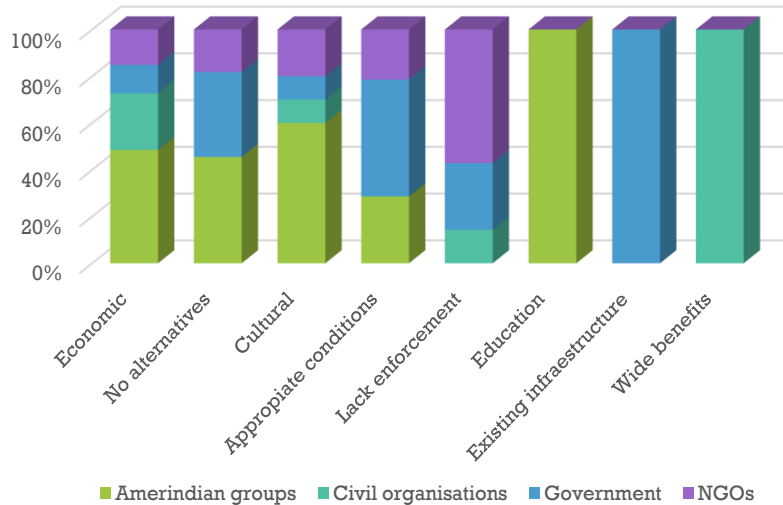
- ▶ Participants & Structure - Four clusters of stakeholders groups with common backgrounds

Clusters	Stakeholder Groups Invited
Government	Environmental Protection Agency, Guyana Geology and Mines Commission, Ministry of Agriculture, Ministry of Amerindian Affairs, Ministry of Culture, Ministry of Finance, Guyana Forestry Commission, Ministry of Natural Resources and Environment, Office of the President
NGOs and Academia	Conservation International, Iwokrama International Centre for Rain Forest Conservation and Development, World Wildlife Fund, University of Guyana.
Indigenous people groups	Guyana Organisation of Indigenous People, The Amerindian Action Movement of Guyana, The National Amerindian Development Foundation, National Toshias Council, North Rupununi Development Board, Amerindian People Association, National Amerindian Development Foundation
Civil Society Organisations	Federation of Independent Trade Unions of Guyana, Forest Producers Association, Guyana Gold and Diamond Miners Association, Private Sector Commission, Trade Unions Congress, Women's Affairs Bureau

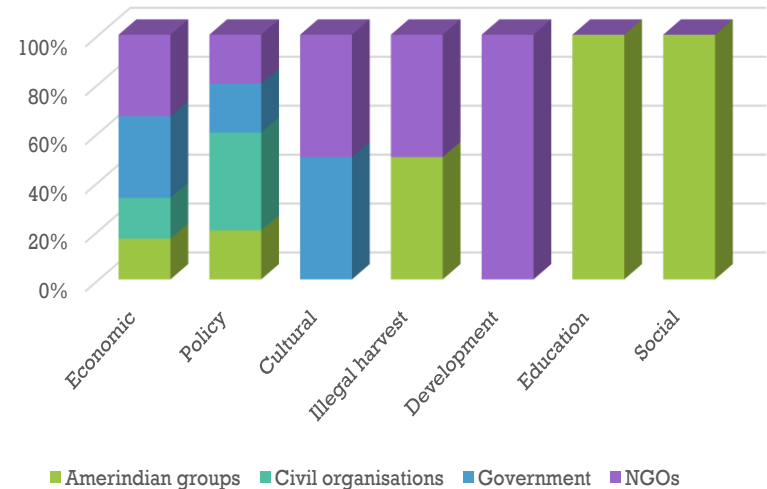
Stakeholders Sessions - Results

- ▶ Participants - The meetings were well attended and showed gender balance
- ▶ Underlying Causes of Deforestation & Forest Degradation

Mining

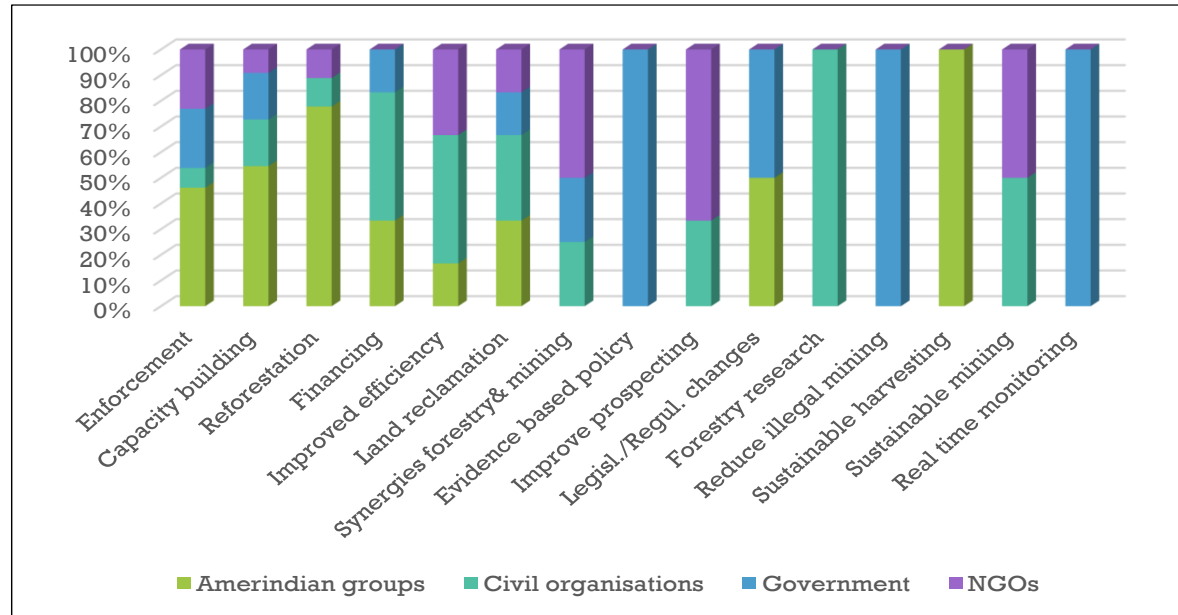


Forestry



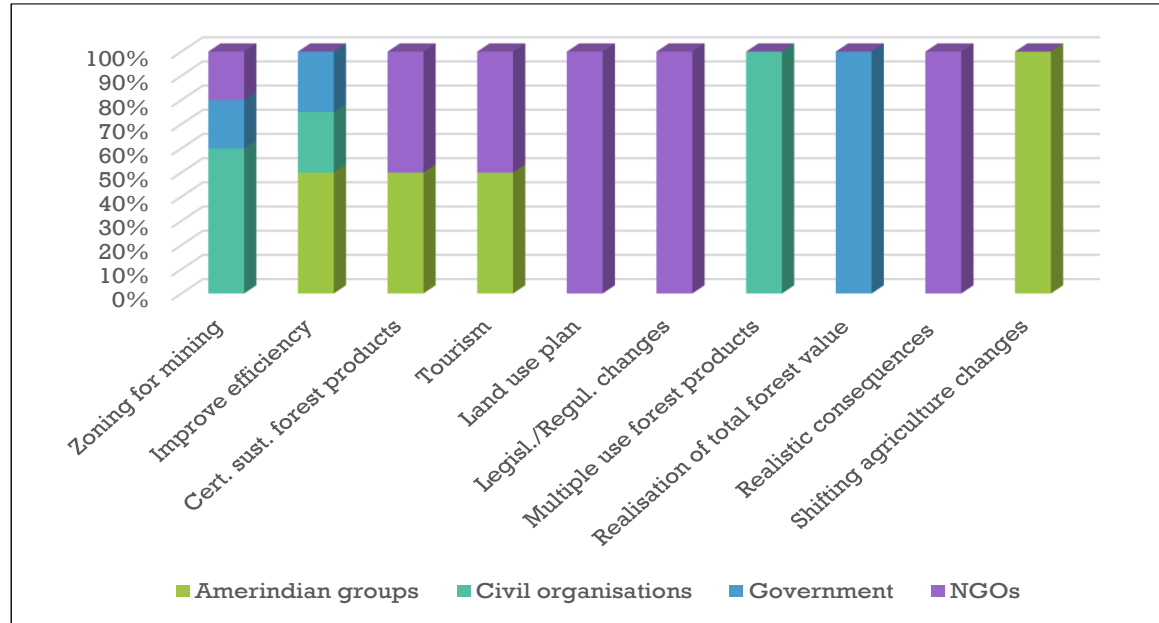
Stakeholders Sessions - Results

- ▶ Expected Outcomes from Strategy & Discussion on Candidate Activities
 - ▶ Short to Medium Term



Stakeholders Sessions - Results

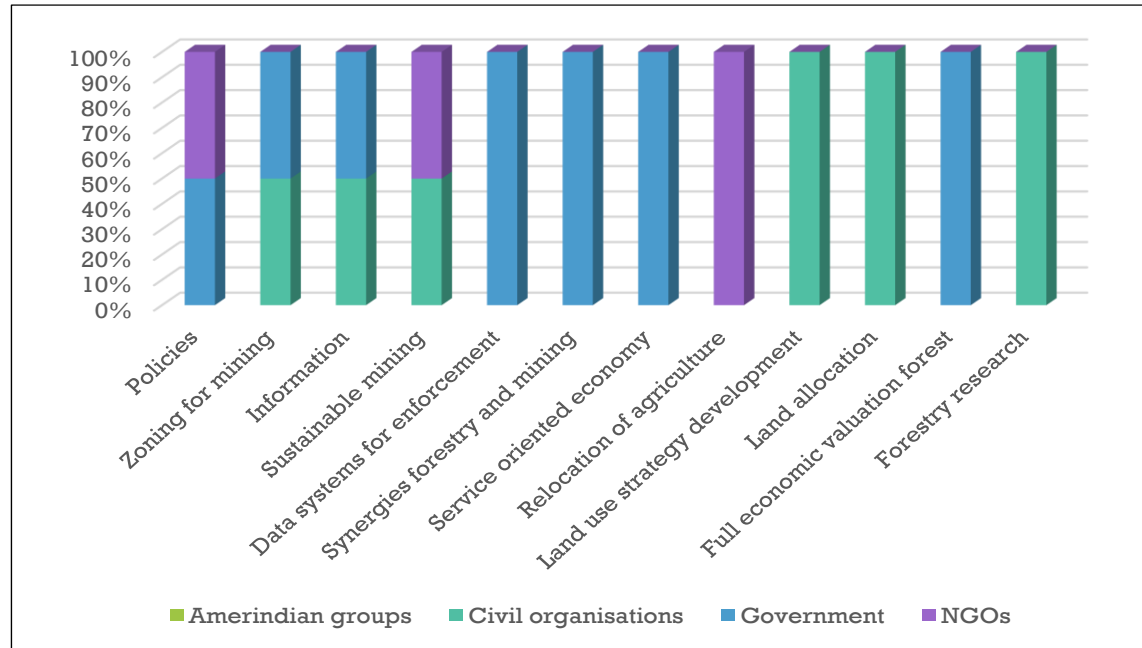
- ▶ Expected Outcomes from Strategy & Discussion on Candidate Activities
 - ▶ Medium to Long Term



Stakeholders Sessions - Results

► Expected Outcomes from Strategy & Discussion on Candidate Activities

► Long Term

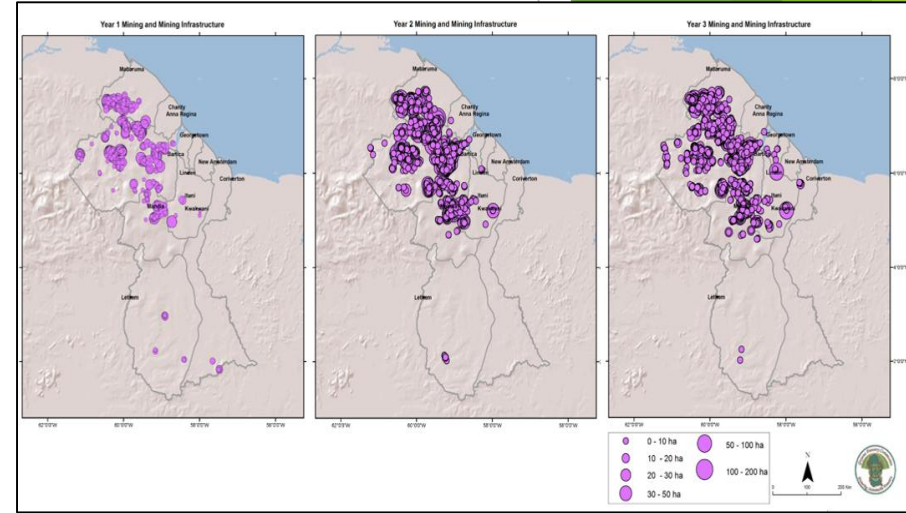
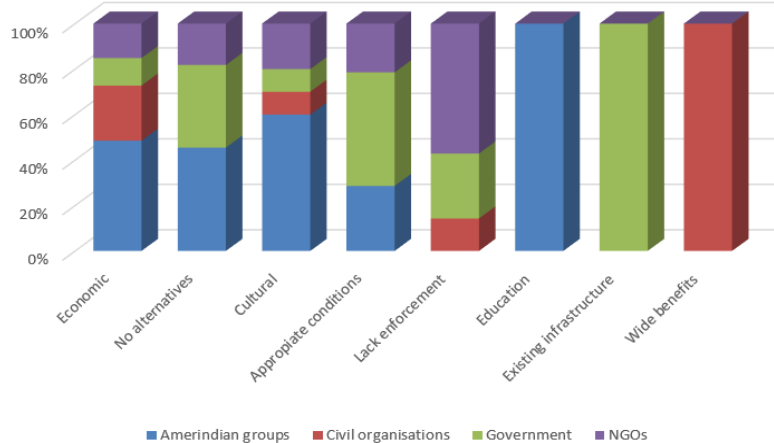


Formulation of Options - Objectives

- ▶ Based on feedback from stakeholder sessions
- ▶ Identifies candidate activities or options to address the underlying reasons or indirect drivers while also outlining possible implementation pathway for these options
- ▶ Evaluates the impact of the candidate activities against strategy objectives
- ▶ Outline proposed strategy options

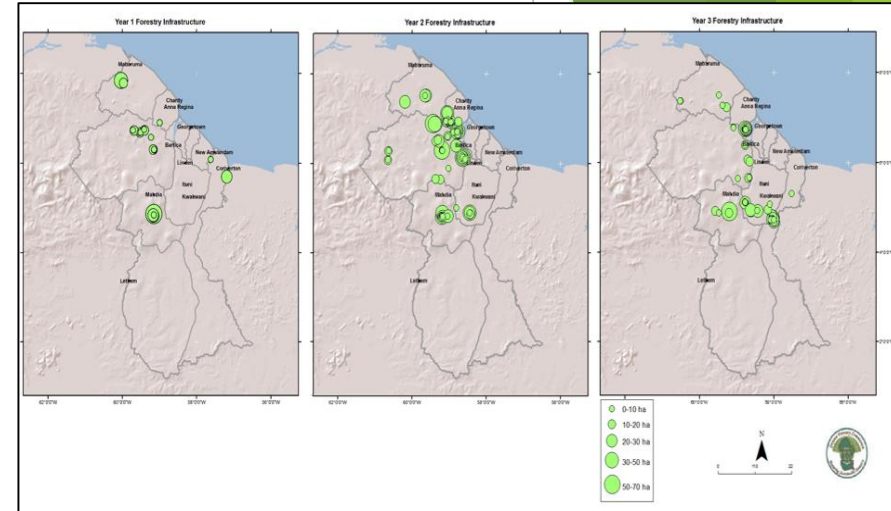
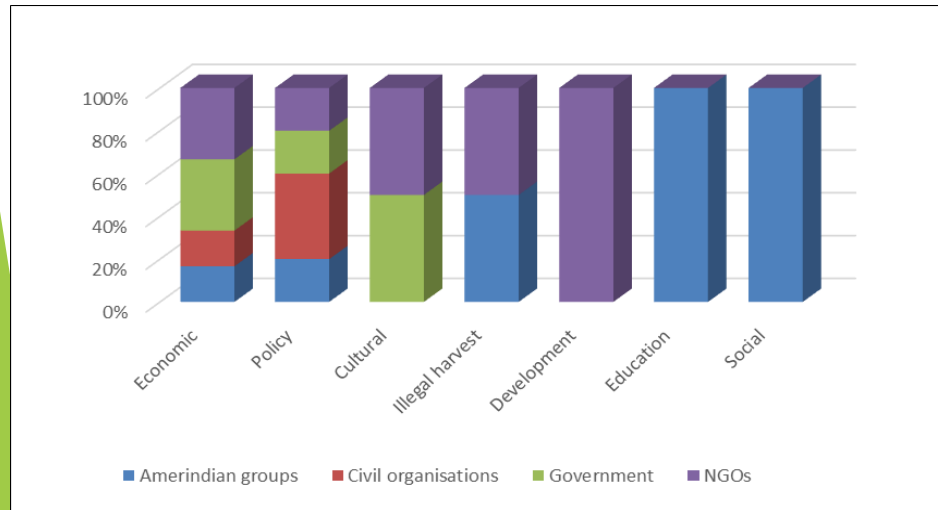
Formulation of Options - Assessment of the drivers of deforestation

- ▶ Mining
 - ▶ Background & Trends
 - ▶ Legislation
 - ▶ Analysis of the Indirect Drivers



Formulation of Options - Assessment of the drivers of deforestation

- ▶ Forestry
 - ▶ Background & Trends
 - ▶ Legislation
 - ▶ Analysis of the Indirect Drivers



Formulation of Options - Identification of candidate activities or type activities & Assessment Results

Objectives	Objective 1: Reduce emissions	Objective 2: Deliver economic development	Objective 3: Deliver social development
Activities			
Enforcement of Mining Regulations			
Option 1: Higher bonds	✓✓		✓✓✓
Option 2: Separate dedicated unit, same bonds	✓✓	✓	✓
Option 3: Separate dedicated unit, same bonds&funding	✓✓✓	✓	✓
Reclamation/Re-vegetation/Reforestation			
Option 4: Incentives for reclamation	✓✓	--	--
Option 5: Community projects	✓✓✓	✓✓	✓✓✓
National Mining Zones			
Option 6: National Mining Exploration Map for concessions	✓✓		-
Option 7: National Land use Classification for all extractive activities	✓✓	✓	✓✓✓
Tourism			
Option 8: Pilot tourism projects	✓	✓	✓✓✓
Synergies			
Option 9: Improved institutional coordination	✓	✓	✓
Improve efficiencies			
Option 10: Follow up and strengthen existing projects	✓	✓	✓

Formulation of Options - Outline of strategy options

► Range of Strategy Options

Strategy Options	1: Strongest outcomes	2: Medium outcomes	3: Lower outcomes	4: Long term	5: Medium term	6: Short to Medium term
Enforcement	Option 3	Option 1	Option 2	Option 2/3	Option 1	Option 1
Reclamation	Option 5	Option 4	Option 4		Option 5	Option 4
National Mining Zones	Option 7	Option 6	Option 6	Option 7	Option 6	
Tourism	Option 8					Option 8
Synergies forestry&mining		Option 9				Option 9
Improve efficiencies		Option 10				Option 10

Cost Benefit Analysis

- ▶ Of the 10 options identified as Candidate/type activities, three (3) were selected by the Guyana Forestry Commission, and CBA were conducted for each.
 - ▶ Community projects to reclamation/re-vegetation or afforest abandoned mining sites (Option 5)
 - ▶ Update the National Mining Exploration Map and increase monitoring of mining activities (Option 6)
 - ▶ Improved institutional coordination for the timing of forestry and mining permits (Option 9)

Cost Benefit Analysis

- ▶ **Mining Reclamation** (Option 5) is influenced by the high costs of implementation with an estimated at around USD21 000 at a 10% discount rate.
- ▶ **Updating the National Mining Map** (Option 6) includes the services and materials conducting works and establishing an operational system in the MNRE.
- ▶ The estimated net benefit is around USD14 000 at a 10% discount rate.

Cost Benefit Analysis

- ▶ **Improved Institutional Coordination** (Option 9) proposes the implementation of an administrative system to optimise the timing of notifications of mining operations to timber concessionaires.
- ▶ The revenues included an increase in efficiency in mining operations, due to improved synchronisation of operations which is based on assumed improved access with forest roads built and land cleared and that existing valuable timber in the concessions would be harvested prior to the mining operations and sold.
- ▶ The estimated net benefit was approximately USD7 000 at a 10% discount rate.

Thank You

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