

NATURAL RESOURCES and ENVIRONMENTAL PROTECTION FORESTRY DEPARTMENT

FIRST QUARTERLY REPORT 2012							
Reporting Period: January 2012 . April 2012							
Country Office:	Zambia						
Executing/Coordinating Agency	MLNREP						
Implementing Agency	Forestry Department/MLNREP						
Project Title Project No. ZMB10/00077050	United Nations Collaborative Programme for Reducing Deforestation and Forest Degradation in Developing Countries (UN-REDD)						
Program Brief description	<p>Deforestation and forest degradation comprise a large proportion (approximately one fifth) of global anthropogenic greenhouse gas emissions. The United Nations Framework Convention on Climate Change (UNFCCC) has adopted the REDD+ mechanism in the Cancun agreements. The development is now on its way to provide financial incentives for the reduction of such emissions. REDD+ includes Reducing Emissions from Deforestation and Forest Degradation (initially referred to as REDD) as well as: i) conservation of forests; ii) sustainable management of forests; and iii) the enhancement of forest carbon stocks.</p> <p>The primary drivers of deforestation and forest degradation need to be addressed in order to ensure the success of National REDD+ programme. Within Zambia, these drivers vary across regions and include <i>inter alia</i>: i) charcoal and wood fuel use (for domestic, commercial and industrial uses); ii) timber production; and iii) unsustainable agricultural methods and other land use practices. Drivers of deforestation and forest degradation are a result of a complex set of underlying causes that are primarily caused by past and current development processes. These underlying causes cut across numerous sectors (e.g. energy, forestry, agriculture and water). In order to address them and thereby to facilitate the realization of REDD+, the entire mode of development within Zambia will need to be altered. Both the supply and demand for wood and non-wood forest products will, for example, need to be addressed simultaneously.</p> <p>Programme Goal: To prepare Zambian institutions and stakeholders for effective nationwide implementation of the REDD+ mechanism.</p> <p>Programme Objectives:</p> <ol style="list-style-type: none"> i. Build institutional and stakeholder capacity to implement REDD+ ii. Develop an enabling policy environment for REDD+ iii. Develop REDD+ benefit-sharing models iv. Develop a national Monitoring, Reporting and Verification (MRV) system for REDD+ <p>Joint Programme Outcomes:</p> <p>Outcome 1: Capacity to manage REDD+ Readiness strengthened Outcome 2: Broad-based stakeholder support for REDD+ established Outcome 3: National governance framework and institutional capacities for the implementation of REDD+ strengthened Outcome 4: National REDD+ strategies identified Outcome 5: MRV capacity to implement REDD+ strengthened Outcome 6: Assessment of Reference Emission Level (REL) and Reference Level (RL) undertaken</p>						

Subactivity and quarterly outputs	Quarterly subactivities	Q1 PLANNED	Q2 PLANNED	Q1 STATUS	Q2 STATUS	AGENCY		
Outcome 1. Capacity to manage REDD+ Readiness strengthened								
Planned Activities (Q1 and Q2) Activity Status (Q1 and Q2)	1.1. REDD+ Readiness coordination and management bodies established and functioning.	1.1.1 Develop National REDD+ Readiness Institutional arrangement .	1.1.1 Establish and support the operations of REDD+ Coordination unit	X	X	ONGOING	ONGOING	UNDP
			1.1.2 Attend UN-REDD Policy Board meetings	X		COMPLETE		UNDP
			1.1.3 Facilitate stakeholder Consultative and Workshop meetings	X	X	COMPLETE	ONGOING	UNDP
			1.1.4 Orientation of REDD+ coordination unit	X	X	CONDUCTED	ONGOING	UNDP
			1.1.5 Update SAG committee regularly on REDD+	X	X	NO SAG MEETING	ONGOING	UNDP
			1.1.6 Collaborative planning and monitoring of demonstration projects	X	X	COMPLETE	ONGOING	UNDP
	1.3. Communication and advocacy strategy as input in overall climate change strategy developed	1.3.1 Develop a UN-REDD+ communication and advocacy strategy to reduce deforestation and forest degradation	1.3.1.1 Develop a communication and advocacy strategy	X	X	TORS DEVELOPED	ONGOING	UNEP
	1.4 Mapping and gap analysis of relevant initiatives undertaken	1.4.1 Analyse previous, ongoing and planned initiatives and identify those relevant to REDD+	1.4.1.1 Identify ongoing relevant REDD+ activities	X		TORS DEVELOPED	ONGOING	UNDP
			1.4.1.2 Validation workshop	X		NOT DONE	ONGOING	UNDP

Activity and outputs	Quarterly subactivities	Q1 PLANNED	Q2 PLANNED	Q1 STATUS	Q2 STATUS	AGENCY	
Outcome 2. Broad-based stakeholder support for REDD+ established							
2.1 Stakeholders engagement process functioning	2.1.1 Review existing stakeholder engagement process and identify gaps for improvement	2.1.1.1 Provide support and resources	X		COMPLETE	ONGOING	UNDP
		2.1.1.2 Conduct Provincial and District training of trainers	X	X	TRAINING DESIGN INITIATED	ONGOING	UNDP
		2.1.1.4 Produce and distribute communication material	X	X	ONGOING	ONGOING	UNDP
AWP Activity	AWP Subactivity and quarterly outputs	Quarterly subactivities	Q1 PLANNED	Q2 PLANNED	Q1 STATUS	Q2 STATUS	AGENCY
Outcome 3. National governance framework and institutional capacities for the implementation of REDD+ strengthened.							
3.1 Institutional Capacity to implement REDD+ framework developed	3.1.1 Assess institutional capacity building needs	3.1.1.1 Undertake institutional capacity building needs assessment and develop plan	X		TOR DEVELOPED	ONGOING	UNDP
	3.1.2 Develop the identified capacity for national implementing partners	3.1.2.1 Support immediate capacity building needs for REDD+ Readiness	X		TOR DEVELOPED	ONGOING	UNDP
3.2 National REDD+ readiness Process and strategy integrated into the national development planning	3.2.1 Support development of a National REDD+ strategy	3.2.1.1 Develop a roadmap and frame work	X	X	ONGOING	ONGOING	UNDP
3.3 Legislative and Policy framework to facilitate implementation of REDD+ strengthened	3.3.1 Review existing relevant policy and legislations in terms of its applicable to REDD+	3.3.1.1 Review the legal preparedness report	X		TOR DEVELOPED	ONGOING	UNDP

AWP Subactivity and quarterly outputs	Quarterly subactivities	Q1 PLANNED	Q2 PLANNE	Q1 STATUS	Q2 STATUS	AGENCY
Outcome 4. National REDD+ strategies identified.						
4.1 Drivers of deforestation and forest degradation assessed.	4.1.1. Review existing studies and undertake required additional analyses.	4.1.1.1 Assess and define deforestation in the context of Zambia	X		COMPLETE	FAO/UNEP
		4.1.1.2 Peer review of the consultancy study	X		COMPLETE	FAO/UNEP
		4.1.1.3 Validation Workshop	X		COMPLETE	FAO/UNEP
		4.1.1.4 Publication of the Report		X		TO BE COMPLETED
	4.1.2. Identify key national, provincial, district and community-level institutions/bodies responsible for addressing the drivers of deforestation and forest degradation.	4.1.2.1 Consultancy on Drivers of Deforestation	X		COMPLETE	FAO/UNEP
		4.1.2.2 Peer review of the consultancy study	X		COMPLETE	FAO/UNEP
		4.1.2.3 Validation Workshop	X		COMPLETE	FAO/UNEP
		4.1.2.4 Publication of the Report		X		TO BE COMPLETED
4.2 Candidate(Potential) activities for REDD+ identified.	4.2.1. Identify global best practices and benchmarking for forest management and REDD+ activities, and tailor practices to Zambian conditions to ensure suitable activities are identified.	4.2.1.1 Consultancy on Forest management Practices with Potential for REDD	X		COMPLETE	FAO/UNEP
		4.2.1.2 Peer review of the consultancy study	X		COMPLETE	FAO/UNEP
		4.2.1.3 Validation Workshop	X		COMPLETE	FAO/UNEP
		4.2.1.4 Publication of the Report		X		TO BE COMPLETED

AWP Subactivity and quarterly outputs	Quarterly subactivities	Q1 PLANNED	Q2 PLANNED	Q1 STATUS	Q2 STATUS	AGENCY
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Outcome 5. MRV capacity to implement REDD+ strengthened.

5.2 Operational Forest Monitoring System established and institutionalised	5.1.1. Provide full complementarity with the ILUA database and information system	5.1.1.1 Integrate REDD+ information reporting in the ILUA database		X		ONGOING	FAO
	5.2.1. Set up a cell for geographical information analysis and training of personnel at GIS unit	5.2.1.1 Conduct needs assessment for the GIS unit	X		COMPLETE		FAO
		5.2.1.2 Jointly Set up a permanent GIS Unit (National Monitoring System) with ILUA	X	X	ONGOING	ONGOING	FAO
		5.2.1.3 Procure infrastructure a) Software(ILUA and UN-REDD)	X		COMPLETE		FAO
		5.2.1.4 Procure infrastructure b. Hardware(ILUA and UN-REDD)	X		COMPLETE		FAO
		5.2.1.5 Support to GIS provincial centers	X	X	ONGOING	ONGOING	FAO
		5.2.1.6 Develop Training modules and manual	X	X	COMPLETE		FAO
		5.2.1.7 Conduct Training for National and Provincial personnel - in GIS	X	X	COMPLETE		FAO
		5.2.1.8 Conduct Training for National and Provincial personnel - in MRV	X	X		TO BE COMPLETED	FAO
		5.2.1.9 Training and work with INPE including training in Brazil for the forest monitoring system.		X		COMPLETE	FAO

		AWP Subactivity and quarterly outputs	Quarterly subactivities	Q1 PLANNED	Q2 PLANNED	Q1 STATUS	Q2 STATUS	AGENCY
	5.2 Operational Forest Monitoring System established and institutionalised	5.2.2. Develop a geographically explicit database for all types of land use related information.(ILUA AND REDD)	5.2.2.1 Collection of all mapping data available in Zambia		X		TO BE COMPLETED	FAO
			5.2.2.2 Preparation of all other land use related information identifying source and availability		X		TO BE COMPLETED	FAO
		5.2.3. Review, identify and collect remote sensing data for MRV activities in Zambia	5.2.3.1 Review available remote sensing data applicable to MRV and identify suitable data for preliminary MRV reporting	X		ONGOING	TO BE COMPLETED	FAO
			5.2.3.2 Purchase remote sensing data and integrate with geographically explicit database		X		ONGOING	FAO
		5.2.5. Integrate REDD+ MRV requirements in ILUA II field measurements	5.2.5.1 Review forest carbon stock field measurements that can be integrated into ILUA II field campaign	X		ONGOING	TO BE COMPLETED	FAO
			5.2.5.2 Integrate field measurements for carbon stocks in ILUA II, and update ILUA II field manuals		X		ONGOING	FAO
			5.2.5.3 Participate in an ILUA II pilot measurement of plots near Lusaka to test field methodology		X		ONGOING	FAO
			5.2.5.4 Participate in ILUA II training of field teams		X		ONGOING	FAO

AWP Subactivity and quarterly outputs			Quarterly subactivities	Q1 PLANNED	Q2 PLANNED	Q1 STATUS	Q2 STATUS	AGENCY
5.3 Greenhouse gas emissions and removals from forest lands estimated and reported	5.3.1. Study needs and gaps to develop a fully compliant UNFCCC/IPCC greenhouse gas inventory.	5.3.1.1 Support REDD+ MRV operations including TA	X	X	ONGOING	ONGOING	FAO	
		5.3.1.2 Gap analysis + road map development for MRV		X		ONGOING	FAO	
	5.3.2. Develop and deliver a training course on greenhouse gas inventory methodology and IPCC Good practice guidelines	5.3.2.1 Develop tools for training (Manuals, slides, etc).	X	X	ONGOING	TO BE COMPLETED	FAO	
		5.3.2.2 Review of training modules		X		TO BE COMPLETED	FAO	
		5.3.2.3 Conduct training		X		TO BE COMPLETED	FAO	
		5.3.2.4 Hire consultant to assist Julian conduct the training		X		TO BE COMPLETED	FAO	
AWP Activity	AWP Subactivity and quarterly outputs	Quarterly subactivities	Q1 PLANNED	Q2 PLANNED	Q1 STATUS	Q2 STATUS	AGENCY	
Outcome 6. Output. Assessment of Reference emission level (REL) and Reference level (RL)								
6.1 Historical rates of forest area and carbon stock changes reviewed.	6.1.1. Assess historical forest area (changes) at the national level.(Link to 2.2 ILUA workplan)	6.1.1.1 Develop framework for Assessing historical Forest Area	X		COMPLETE		FAO	
		6.1.1.2 Provide support to ILUA on Data collection (downloading), algorithm testing, RS basics and INPE platform basis	X	X	ONGOING	ONGOING	FAO	
		6.1.1.3 EF set up		X		ONGOING	FAO	
6.2 National circumstances assessed.	6.1.2. Assess historical GHG emission rates at the national level.	6.1.2.1 Develop framework for Assessing historical GHG Forest Area changes at national level	X	X	ONGOING	ONGOING	FAO	
		6.2.1. Assess the opportunity cost of land providing REDD+ benefits in relation to other land uses (e.g. mining, agriculture, etc.).	6.2.1.1 Develop framework for assessing national circumstances		X		ONGOING	FAO
Substantive Reporting								
Accomplishments								

ember and was finalized late in January 2012. The MRV technical advisor commenced with FAO on January 23rd 2012. The UN-REDD
f being recruited. Despite these delays in work planning, and staffing, most of the activities scheduled for Quarter 1 have been achieved.

- The study on Stakeholder Analysis and Engagement Plan for Zambia has been completed.
- Zambia was represented at the Policy Board meeting
- Zambia participated in the Nigeria REDD+ University whose aim was to share experiences with other countries in terms of progress on REDD+ in the African perspective.
- Zambia held a collaborative planning meeting with USAID/USFS on the development of a REDD+ MRV project in Eastern Province. A scoping mission and training on GIS was undertaken in Eastern Province to Forestry Department and Lands Staff.

ACT 1.3.1,

- TORs for the Develop a communication and advocacy strategy has been done.

ACT 1.4.1,

- TORs for the Identification ongoing relevant REDD+ activities has been done

ACT 3.1.1 and 3.1.2

- TORs for Assess institutional capacity building needs and identifying capacity for national implementing partners have been developed.

ACT 3.2.1.1

- The process of Developing a roadmap and frame work for the strategy has been initiated following the completion of major studies that have a bearing on the strategy.

ACT 3.3.1.

- TORs for the review the legal preparedness report for Zambia which was generated by IDLO has been done.

ACT 4.1.1, 4.1.2, and 4.2.1

- Consultancy reports under these activities were completed, peer reviewed, and subject to a validation workshop (help jointly with the validation for stakeholder engagement at Tuskers Hotel in Kabwe on 20th and 21st February). Reports have been revised for stakeholder feedback. Reports include;
 - Forest Management Practices with Potential for REDD+ in Zambia
 - Preliminary study on drivers of deforestation & potential for REDD+ in Zambia

ACT 5.2.1

- Letter of agreement for establishing permanent GIS units in each province drafted and under discussion
- Software (ArcGIS 10) licenses for GIS units have been procured
- Hardware (Desktop computers, scanner, plotter, printer) for GIS procured and arriving in Lusaka on 24th April
- Training modules for GIS training of provincial and Lusaka staff developed in collaboration with the Zambian National Remote Sensing Centre (NRSC)
- Training of 47 provincial and Lusaka based staff from various government departments and NGOs completed at the NRSC in two training blocks (12th to 16th and 19th to 23rd March)
- Introduction to MRV provided at Tuskers Hotel in Kabwe on 20th February
- 6 Staff from Forestry Department, Lands Department and NRSC trained in the implementation of the Brazilian Forest Monitoring System (TerraAmazon) at the National Institute for Space Research (INPE) in Belem, Brazil from 2nd to 13th April. The first week of training involved gaining a thorough understanding of the system, while the second week involved implementing the system for Zambian remote sensing data. The TerraAmazon will provide the basis for Zambia's Operational Forest Monitoring System.

ACT 5.2.3

...m, Brazil from 2nd to 13th April), historical and current remote sensing (RS) data applicable to MRV in Zambia was identified. In the second quarter, RS data will be acquired.

...stock measurements that can be included in ILUA II have commenced, and the UN-REDD team participated in a field visit to an ILUA plot to assess the feasibility of ILUA II measurements.

ACT 5.3.1

- MRV technical Advisor (Dr. Julian Fox) commenced on 23rd January 2012.
- Two field vehicles (Land cruisers) acquired to support field activities (have arrived and are awaiting registration).

ACT 5.3.2

- Preparation of training materials for Greenhouse Gas (GHG) Inventory training has commenced

ACT 6.1.1

- Consultancy report for Zambian historical forest area change and historical GHG emissions completed and peer reviewed

Planned activities for Second Quarter 2012

Highlights of planned activities for the second quarter 2012 include;

ACT 4.1.1, 4.1.2, and 4.2.1

- The following consultancy reports will be professionally published by FAO, Rome in the second quarter;
 - Forest Management Practices with Potential for REDD+ in Zambia
 - Preliminary study on drivers of deforestation & potential for REDD+ in Zambia

ACT 5.2.1

- Letter of agreement for establishing permanent GIS units in each province completed and signed off.
- Deployment of software and hardware to Provincial GIS units to commence after arrival of hardware on 24th April.
- Follow up visit (for GIS training) to each Provincial GIS unit by NRSC after hardware deployment.
- Three day training workshop on all aspects of MRV for provincial and HQ Forestry Department and other stakeholders to be conducted from 21st to 23rd May 2012 venue TBA.

ACT 5.2.2

- In collaboration with NRSC and ILUA, all mapping and land use data for Zambia will be compiled in a geodatabase.
- Complete spatial datasets will be deployed to Provincial GIS units during hardware deployment

ACT 5.2.3

- In collaboration with ILUA, historical and current remote sensing (RS) data applicable to MRV in Zambia will be acquired in the second quarter.
- Acquired RS data can facilitate the commencement of implementation of the Brazilian Forest Monitoring System (TerraAmazon) for Zambia.

ACT 5.2.5

- Consultations on forest carbon stock measurements for MRV that can be included in ILUA II will be continued and permissible field measurements will be identified.
- A consultancy on soil carbon measurements for MRV will be commenced

ACT 5.3.1

- Gap analysis and road map for MRV development in Zambia will be completed



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gas inventory methodology and IPCC Good practice guidelines for provincial and HQ Forestry Department and other stakeholders will be
2012 venue TBA.

- work on Zambian historical forest area change and historical GHG emissions will be commenced using the TerraAmazon platform