

NATURAL RESOURCES and ENVIRONMENTAL PROTECTION FORESTRY DEPARTMENT

SECOND QUARTERLY REPORT 2012							
Reporting Period: April 2012 . June 2012							
Country Office:	Zambia						
Executing/Coordinating Agency	MLNREP						
Implementing Agency	Forestry Department/MLNREP						
Project No. FAO: UNJP/ZAM/068/UNJ UNDP: ZMB10/00077050 UNEP: RED 2E92	Project Title 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</p> <p>Outcome 2: Broad-based stakeholder support for REDD+ established</p> <p>Outcome 3: National governance framework and institutional capacities for the implementation of REDD+ strengthened</p> <p>Outcome 4: National REDD+ strategies identified</p> <p>Outcome 5: MRV capacity to implement REDD+ strengthened</p> <p>Outcome 6: Assessment of Reference Emission Level (REL) and Reference Level (RL) undertaken</p>						

REDD+ Readiness strengthened.

- b. Continuous support to the REDD+ Coordination Unit provided
- c. Collaborative planning and monitoring of Demonstration Projects
- d. Facilitate technical meetings. Common Steering committee and technical committee for UN-REDD and ILUA II have not yet been officially formalized by the PS and ToRs for these committees not provided.
- e. Orientation of REDD+ Team.

ACT 1.2.1

- a. Integrate UN-REDD Readiness Process into the National Climate Change Strategic Framework and national development plans.

ACT 1.3.1

- a. Develop Communication Strategy, Activity not started.

ACT 1.4.1

- a. Analyse previous, ongoing and planned initiatives and identify those relevant to REDD+. Activity not started.

ACT 1.4.2

- a. Share the lessons from above activity. Activity not started.

2. Broad-based stakeholder support for REDD+ established.

ACT 2.1.1

- a. Provide necessary support to existing platforms. Stakeholder assessment has been done but the stakeholder engagement plan is still in finalization process.
- b. Training of trainers in REDD+ at provincial and district level was done 19-21 June and training roadmaps were developed,
- c. Training of stakeholder representatives including PDCC and DDCC in REDD principles
- d. Production and distribution of communication material.

ACT 2.2.1

- e. Review existing conflict resolution mechanisms and develop appropriate conflict resolution and arbitration mechanism.

3. National governance framework and institutional capacities for the implementation of REDD+ strengthened

ACT 3.1.1

- a. Undertake institutional capacity building needs assessment.

ACT 3.2.1

- a. Development of roadmap and framework for the strategy document

ACT 3.3.1

- a. Assess the legal preparedness in Zambia
- b. Identify carbon ownership in the different land tenure and forest user systems

ACT 3.4.1

- a. Identify the current funding mechanisms within Zambia and compare with REDD+ initiatives internationally (inc. possible study tours)

ACT 3.5.1

- a. Identify the current benefit sharing mechanisms within Zambia and compare with REDD+ initiatives internationally (inc. possible study tours)

ACT 3.5.3

- a. Undertake cost benefit analysis of the proposed models including tax implications for all REDD+ beneficiaries.

4. National REDD+ strategies identified.

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;

- a. Forest Management Practices with Potential for REDD+ in Zambia
- b. Preliminary study on drivers of deforestation & potential for REDD+ in Zambia

**Planned Activities (Q1, Q2 and Q3)
Activity Status (Q1, Q2 and Q3)**

ment REDD+ strengthened.

	<p>prepare Letter of agreement for establishing permanent GIS units in each province.</p> <ul style="list-style-type: none"> d. Deployment of software and hardware to Provincial GIS units to commence after arrival of hardware on 24th April. e. Follow up visit (for GIS training) to each Provincial GIS unit by NRSC after hardware deployment. f. 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 <p>ACT 5.2.2</p> <ul style="list-style-type: none"> a. In collaboration with NRSC and ILUA, all mapping and land use data for Zambia will be compiled in a geodatabase. b. Complete spatial datasets will be deployed to Provincial GIS units during hardware deployment <p>ACT 5.2.3</p> <ul style="list-style-type: none"> a. In collaboration with ILUA, historical and current remote sensing (RS) data applicable to MRV in Zambia will be acquired in the second quarter. b. Acquired RS data can facilitate the commencement of implementation of the Brazilian Forest Monitoring System (TerraAmazon) for Zambia. <p>ACT 5.2.5</p> <ul style="list-style-type: none"> a. 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. b. A consultancy on soil carbon measurements for MRV will be commenced <p>ACT 5.3.1</p> <ul style="list-style-type: none"> a. Gap analysis and road map for MRV development in Zambia will be completed <p>ACT 5.3.2</p> <ul style="list-style-type: none"> a. A training course on greenhouse gas inventory methodology and IPCC Good practice guidelines for provincial and HQ Forestry Department and other stakeholders will be conducted from 21st to 23rd May 2012 venue TBA. <p>6. Assessment of Reference emission level (REL) and Reference level (RL)</p> <p>ACT 6.1.1</p> <ul style="list-style-type: none"> a. Work on Zambian historical forest area change and historical GHG emissions will be commenced using the TerraAmazon platform
<p>Substantive Reporting</p>	
<p>Accomplishments for Q2 and Planned Activities Q3 and Q4, 2012</p>	<p>1. Capacity to manage REDD+ Readiness strengthened.</p> <p>ACT 1.1.1</p> <ul style="list-style-type: none"> a. The recruitment of a REDD+ Technical Advisor was finalised. The TA will start in September and provide technical support on Strategy and Capacity development matters (Q2) b. Zambia attended the %ountries Needs Assessment workshop+in Colombia 26th June 2012. (Q2) c. The common Steering committee and technical committee for UN-REDD and ILUA II will be officially formalized by the PS and ToRs for these committees will be provided. (Q3) <p>ACT 1.2.1</p> <ul style="list-style-type: none"> a. REDD+ Team will have consultative meetings with relevant institutions to integrate the UN-REDD Readiness Process into the National Climate Change Strategic Frame work and national development plans. (Q3)

ing Communication Strategy will be finalized and UNDP will recruit the consultant on behalf of UNEP. The Strategy will aim also to guide
readiness and training processes.

a. ToR for Analysing previous, ongoing and planned initiatives and identify those relevant to REDD+ will be provided. Consultant to be recruited. (Q3)

2. Broad-based stakeholder support for REDD+ established.

ACT 2.1.1

a. Training of trainers in REDD+ at provincial was conducted 19-21 June and a follow up training is expected at the end of August 2012. The training of provincial officials and local practitioners crafted a set of provincial facilitation teams for climate change and REDD+ in each of the country's 10 provinces, allowing Zambia an innovative and pioneer decentralised approach to REDD+. These efforts are often difficult to grasp, but build crucial institutional and stakeholder-engagement dynamics. It is expected that these trainers will spearhead awareness raising and training at provincial and district level with support from the national office. 43 people participated in the June training, from which 34 were from the Governmental institutions (23 men, 11 women) and 9 from NGOs (8 men and 1 woman). The Provincial teams will provide training and awareness rising in their provinces. (Q2 and Q3)

a. Stakeholder assessment has been done but the stakeholder engagement plan will be finalized. (Q3)

b. Production and distribution of communication material was done for World Environment Day 5th June 2012 mainly to raise awareness about the programme (Q2).

ACT 2.2.1

a. ToR for the Review existing conflict resolution mechanisms and develop appropriate conflict resolution and arbitration mechanism were drafted but finalization needs more work and support from the UNDP HQ specialists. After that the recruitment of a consultant can be done. This assignment is important as it will provide the current status from which REDD+ can draw lessons from. (Q3)

3. National governance framework and institutional capacities for the implementation of REDD+ strengthened

ACT 3.1.1

a. ToR to undertake institutional capacity building needs assessment completed and ready for recruitment. (Q2)

ACT 3.2.1

a. ToR for the development of roadmap and frame work for the strategy document completed and ready for recruitment. (Q2)

ACT 3.3.1

a. ToR to Identify carbon ownership in the different land tenure and forest user systems drafted but before recruitment the gaps with the already made legal preparedness in Zambia+needs to be assessed. (Q3)

ACT 3.4.1

a. The study to Identify the current funding mechanisms within Zambia and compare with REDD+ initiatives internationally was not conducted

ACT 3.5.1

a. The study to Identify the current benefit sharing mechanisms within Zambia and compare with REDD+ initiatives internationally was not done

ACT 3.5.3

b. The study to undertake cost benefit analysis of the proposed models including tax implications for all REDD+ beneficiaries was not conducted.

4. National REDD+ strategies identified.

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) in Q1. Reports have been revised for stakeholder feedback. Reports include;
 - Forest Management Practices with Potential for REDD+ in Zambia

study on drivers of deforestation & potential for REDD+ in Zambia
and summarizing the most important outcomes
are currently being professionally published in Rome and will be distributed in Q3

- FAO is implementing these activities on behalf of UNEP
- TORs for consultants to complete this work is currently being advertised and will be completed during Q3 and Q4

5. MRV capacity to implement REDD+ strengthened.

ACT 5.1

- These activities are dependent on ILUA database creation, and have not been commenced. It is expected that the ILUA database will be constructed in Q3, at which point these activities can be commenced

ACT 5.2.1

- Hardware (Desktop computers, scanner, plotter, printer) and Software (ArcGIS 10) for GIS units has been procured and installed in provincial GIS centers during Q2
- Letter of agreement for establishing permanent GIS units in each province completed as a basis for financial support to GIS centers
- Training modules for GIS training of provincial and Lusaka staff developed in collaboration with the Zambian National Remote Sensing Centre (NRSC) during Q1
- 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)
- Follow up visit (for GIS training) to each Provincial GIS unit by NRSC after hardware deployment.
- Complete spatial datasets for Zambia were deployed to Provincial GIS units during hardware deployment
- Introduction to MRV provided at Tuskers Hotel in Kabwe on 20th February
- Full training in MRV was provided during the MRV and GHG workshop at Kafue Gorge Training Center from 28th to 30th May
- 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.
- A trail of the TerraAmazon platform will be undertaken in Q3 for Western Province

ACT 5.2.2

- GIS data for Zambia was compiled by the NRSC and was combined with spatial data available in the Forestry Department
- Complete spatial datasets for Zambia were deployed to Provincial GIS units during hardware deployment

ACT 5.2.3

- In consultation with INPE (in Belem, Brazil from 2nd to 13th April), historical and current remote sensing (RS) data applicable to MRV in Zambia was identified.
- In the Q2, identified RS data was acquired at Rome HQ (from 11th to 14th May) consisting of Landsat data coverages for Zambia for 1990, 1995, 2000, 2005, and 2010

ACT 5.2.4

- Activity dependent on ILUA database creation, and has not been commenced. It is expected that the ILUA database will be constructed in Q3, at which point this activity can be commenced

ACT 5.2.5

- Consultations on forest carbon stock measurements that can be included in ILUA II were commenced in Q1 and were completed in Q2
- A consultancy on soil organic carbon measurements for MRV in Zambia (integrated into ILUA II) was commenced during Q2, and will be completed during Q3

participated in a field visit to ILUA plots to assess the feasibility of ILUA II measurements
measurements for above-ground, litter, coarse woody debris, and soil organic carbon have been included in ILUA II field measurements
participate in ILUA II training of field teams scheduled for Q3, 2012

- Activity to be completed in Q3

ACT 5.3.1

- MRV technical Advisor (Dr. Julian Fox) commenced on 23rd January 2012.
- Two field vehicles (Land cruisers) acquired in Q1 and have been supporting field activities in Q2
- Construction of an MRV road map was commenced during the MRV and GHG workshop at Kafue Gorge Training Center from 28th to 30th May
- MRV road map will be completed in Q3

ACT 5.3.2

- Preparation of training materials and manual for Greenhouse Gas (GHG) Inventory training was completed in Q2
- Training in GHG was completed during Q2 at the GHG workshop at Kafue Gorge Training Center from 28th to 30th May
- A TOR for the development of a UNFCCC compliant GHG reporting system for forest lands is being advertised and will be completed during Q3 and Q4

6. Assessment of Reference emission level (REL) and Reference level (RL)

ACT 6.1.1 and 6.1.2

- Consultancy report for Zambian historical forest area change and historical GHG emissions completed and peer reviewed
- A study on Emission Factors is included in TORs which are being advertised
- A training workshop on Allometric relationships for Zambian forests will be undertaken during Q4

ACT 6.2.1

- A TOR to determine the opportunity cost of REDD+ is being advertised and will be completed during Q3 and Q4

ACT 6.2.4

- A TOR to determine the expected trends in forest areas changes is being advertised and will be completed during Q3 and Q4

ACT 6.2.5

- A TOR to collect economic data for REDD+ is being advertised and will be completed during Q3 and Q4

ACT 6.2.6 and 6.2.7

- A TOR to map forest co-benefits associated with REDD+ is being advertised and will be completed during Q3 and Q4

		Project N:0 (UNDP)	00077050	Project N:0 (UNEP)	RED 2E92
01/01/12 - 31/06/12		Project N:0 (FAO)	UNJP/ZAM/068/UNJ		
Output number	Output	Q1 and Q2 Expenditure	Annual Budget [USD]	Agency	
Sub total 1.1	REDD+ Readiness coordination and management bodies established and functioning.	32,280	300,000	UNDP	
Sub total 1.2	National REDD+ Readiness process integrated into the national development planning process.	-	8,000	UNDP	
Sub total 1.3	Communication and advocacy strategy as input in overall climate change strategy developed and implemented.	-	56,075	UNEP	
Sub total 1.4	Mapping and gap analysis of relevant initiatives undertaken.	-	20,000	UNDP	
Sub total 2.1	Stakeholders engagement process functioning.	98,203	340,000	UNDP	
Sub total 2.2	Conflict resolution and arbitration mechanism reviewed.	-	9,346	UNDP	
Sub total 3.1	Institutional capacity to implement REDD+ framework developed.	-	25,000	UNDP	
Sub total 3.2	National REDD+ readiness Process and Strategy integrated into the national development planning.	-	32,000	UNDP	
Sub total 3.3	Legislative and Policy framework to facilitate implementation of REDD+ strengthened.	-	35,000	UNDP	
Sub total 3.4	Mechanism to administrate and channel REDD+ finance established.	-		UNDP	
Sub total 3.4	Mechanism to administrate and channel REDD+ finance established.	-	37,000	UNDP	

		model approved.	-	65,000	UNDP
		station and forest degradation assessed.	-	38,383	UNEP
Sub total 4.1		Drivers of deforestation and forest degradation assessed.	43,758	46,000	FAO
Sub total 4.2		Candidate (potential activities for REDD+ identified)	-	14,383	UNEP
Sub total 4.2		Candidate (potential activities for REDD+ identified)	31,131	23,000	FAO
Sub total 5.1		REDD+ Intergrated with existing Forestry inventory system (ILUA1)	13,814	42,000	FAO
Sub total 5.2		Operational forest inventory monitoring system established and institutionalised	182,606	381,000	FAO
Sub total 5.3		Removals from forestry lands estimatedand reported	225,350	442,000	FAO
Sub total 6.1		Historical rates of forestr area and carbonstock changes reviewed	52,516	159,000	FAO
Sub total 6.2		National circumstances assessed	-	170,000	FAO
TOTAL ALL		(Without support cost)	679,656	2,243,187	

UN Agency	Annual Budget (Programme cost)	Annual support cost (7%)	Annual total Budget	Semi Annual Expenditure	Semi Annual support cost	Total	Gap
FAO	1,263,000	88,410	1,351,410	549,174	38,442	587,616	763,794
UNEP	108,841	7,619	116,460	-	-		116,460



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932,340

130,482

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130,482

801,858