



REDD Readiness Preparation Proposal for Uganda

SUBMITTED TO THE FOREST CARBON PARTNERSHIP FUND

The World Bank does not guarantee the accuracy of the data included in the Readiness Preparation Proposals (R-PPs) submitted by REDD Country Participants and accepts no responsibility whatsoever for any consequence of their use. The boundaries, colours, denominations, and other information shown on any map in the R-PPs do not imply on the part of the World Bank any judgment on the legal status of any territory or the endorsement or acceptance of such boundaries.

10th January 4th March-2011

Acronyms

ACODE	Action Coalition for Development and Environment
CARE	CARE International (Uganda Office)
CBD	Convention on Biological Diversity
CBOs	Community Based Organizations
CCU	Climate Change Unit (of Uganda)
CFM	Collaborative Forest Management
CFR	Central Forest Reserves
GHG	Green House Gases
<u>CRGMS</u>	<u>Conflict Resolution and Grievances Management System</u>
CRM	Collaborative Resources Management
CWA	Community Wildlife Areas
DDP	District Development Plans
DFS	District Forest Services
EA	Environmental Alert
EAC	East African Community
ECOTRUST	Environmental Conservation Trust of Uganda
ESMF	Environmental and Social Management Framework
FCPF	Forest Carbon Partnership Facility
FIEFCO	Forest Income Enhancement and Forest Conservation Project
FSSD	Forestry Sector Support Department
GIS	Global Information System
IGG	Inspector General of Government
IPCC	Inter-government Panel on Climate Change
IPM	Integrated Pest Management
ITFC	Institute of Tropical Forest Conservation
IUCN	International Union for Conservation of Nature
JMR	Joint Management Reserves
LFR	Local Forest Reserves
MAAIF	Ministry of Agriculture, Animal Industry and Fisheries
MEMD	Ministry of Energy and Minerals Development
MOFPED	Ministry of Finance, Planning and Economic Development
MOV	Means of Verification
MRV	Measurement, Reporting and Verification
MUIENR	Makerere University Institute of Environment and Natural Resources
MWE	Ministry of Water and Environment
NAADS	National Agricultural Advisory Development Services
NAFORRI	National Forestry Resources Research Institute
NARO	National Agricultural Resources Organization
NDP	National Development Plan
NEMA	National Environment Management Agency
NFA	National Forestry Authority
NFP	National Forest Plan
NFTP	National Forestry Tree Planting Act
NGOs	Non – Government Organizations

NORAD	Norwegian Agency for International Development
PFE	Permanent Forest Estate
PMA	Plan for Modernization of Agriculture
RACS	REDD Communications Strategy
REDD-COP	REDD Consultations and Outreach Plan
REDD	Reducing Emissions from Deforestation and Forest Degradation
R-PIN	REDD Project Identification Note
R-PP	REDD Readiness Preparation Proposal
RSC	REED-Plus Steering Committee
RWG	REDD-Plus Working Group
SESA	Social and Environmental Impact Assessments
SLM	Sustainable Land Management
SNR	Strict Nature Reserves
SP	Strategic Plan
THF	Tropical High Forests
TORs	Terms of Reference
UBOS	Uganda Bureau of Standards
UNCCD	United National Convention on Climate Change and Desertification
UNFCCC	United National Framework Convention for Climate Change
UWA	Uganda Wildlife Authority
UWASP	Uganda Wildlife Authority Strategic Plan
WCS	Wildlife Conservation Society
WMD	Wetlands Management Department
WRI	World Resources Institute
WRS	Wildlife Reserves

Table of Contents

GENERAL INFORMATION	14
CONTACT INFORMATION	14
EXECUTIVE SUMMARY	16
COMPONENT 1: ORGANIZE AND CONSULT	18
1A. NATIONAL READINESS MANAGEMENT ARRANGEMENTS	18
1. THE REDD - PLUS READINESS PROPOSAL (R-PP) FORMULATION	18
1.1 Formulation process	18
1.2 The process for achieving Uganda Readiness for REDD-Plus	20
1.3 Activities during the R-PP implementation	20
1.4 Outputs from R-PP implementation	21
1.5 The Lead agencies and their mandates during R-PP Formulation and R-PP implementation	21
1 B. STAKEHOLDER CONSULTATION AND PARTICIPATION	38
1.6 Stakeholder Consultations and Participation during R-PP formulation (2009-2011)	38
1.7 Stakeholder Consultation and Participation during R-PP Implementation (2012-2104)	46
COMPONENT 2: PREPARE THE REDD STRATEGY	57
2A. ASSESSMENT OF LAND USE, FOREST POLICY AND GOVERNANCE	57
2.1 The Situation analysis	68
2.2 Forestry resources base in Uganda	75
2.3 Forestry Policy and Governance	90
2.4 Forest governance in Uganda	96
2.5 Stakeholder mapping	101
2.6 Proposed activities and budget for the R-PP period	102

2B. REDD STRATEGY OPTIONS	104
2.7 Potential strategies for addressing the drivers of deforestation and degradation	104
2.8 Process for developing and assessing the REDD-Plus Strategy options during 2011-2014.	108
2C. REDD IMPLEMENTATION FRAMEWORK	93
2.9 Implementation strategy	93
2.10 Capacity needs for R-PP implementation	94
2.11 Funding arrangements	94
2.12 Accountability measures	94
2.13 Risks and Assumptions	95
2.14 Terms of Reference for designing a National REDD –Plus Implementation Framework in Uganda	96
2.15 Implementation Schedule and budget	97
2 D. SOCIAL AND ENVIRONMENTAL IMPACTS	99
2.16 The Social Environmental Impact Assessment process	99
2.17 Some provisions of Uganda’s Policies and Laws relevant to REDD	101
2.18 Framework for integrating social and environmental considerations into REDD –Plus strategy and its implementation	102
2.19 Action Plan for developing the Environment and Social Management Framework (ESMF)	106
2.20 Action Plan for development of Environment and Social Management Framework (ESMF)	111
COMPONENT 3: DEVELOP A REFERENCE SCENARIO	113
3. THE REFERENCE SCENARIO	113
3.1 Definitions	113
3.2 Activity and Emission Data in Uganda	114
3.3 Future Scenarios	117
3.4 Capacity needs	120
COMPONENT 4: DESIGNING A MONITORING SYSTEM	124

4. EMISSIONS AND REMOVAL	124
4.1 Scope of MRV in Uganda	124
4.2 Data collection	127
4B. MONITORING OTHER BENEFITS AND IMPACTS	130
4.3 Budget for designing a Monitoring Plan	130
COMPONENT 5: DESIGN A PROGRAMME MONITORING AND EVALUATION FRAMEWORK FOR R-PP	132
5. MONITORING SYSTEM FOR R-PP IMPLEMENTATION (2012-2014)	132
5.1 M&E implementation modalities and responsibilities	132
5.2 Information management system and procedures	133
5.3 Reporting and accountability	133
5.4 The Monitoring and Evaluation Framework	134
COMPONENT 6: SCHEDULE AND BUDGET	143
6. IMPLEMENTATION AND BUDGET	143
7. REFERENCES	166
TO BE PROVIDED LATER8. ANNEXES	166
8. ANNEXES	167
8.1 Annex 1: Composition of Uganda's REDD-Plus Working Group	167
8.2 Annex 2: Relationship between R-PP and Forestry Policies and Programmes in Uganda	169
8.3 Annex 3: Outreach and Participation Plan (March 2010)	177
8.4 Annex 4: Expanded Consultations	183
9. APPENDICES	188
GENERAL INFORMATION	9

<u>CONTACT INFORMATION</u>	9
<u>EXECUTIVE SUMMARY</u>	11
<u>COMPONENT 1: ORGANIZE AND CONSULT</u>	13
<u>1A. NATIONAL READINESS MANAGEMENT ARRANGEMENTS</u>	13
<u>1. THE REDD PLUS READINESS PROPOSAL (R-PP) FORMULATION</u>	13
<u>1.1 Formulation process</u>	13
<u>1.2 The process for achieving Uganda Readiness for REDD Plus</u>	15
<u>1.3 Activities during the R-PP implementation</u>	15
<u>1.4 Outputs from R-PP implementation</u>	16
<u>1.5 The Lead agencies and their mandates during R-PP Formulation and R-PP implementation</u>	16
<u>1 B. STAKEHOLDER CONSULTATION AND PARTICIPATION</u>	26
<u>1.6 Stakeholder Consultations and Participation during R-PP formulation (2009-2011)</u>	26
<u>1.7 Stakeholder Consultation and Participation during R-PP Implementation (2012-2104)</u>	32
<u>COMPONENT 2: PREPARE THE REDD STRATEGY</u>	37
<u>2A. ASSESSMENT OF LAND USE, FOREST POLICY AND GOVERNANCE</u>	37
<u>2.1 Major historical land use trends in Uganda</u>	37
<u>2.2 Management of forests in Uganda</u>	38
<u>2.3 Sustainable forest management</u>	38
<u>2.4 Forest policy and legal framework</u>	41
<u>2.5 The forest sector institutional framework</u>	42
<u>2.6 Forest governance</u>	43
<u>2.7 Underlying causes of Deforestation and forest degradation in Uganda and assessment of measures to address the causes</u>	43
<u>2B. REDD STRATEGY OPTIONS</u>	48

<u>2.8</u>	<u>Potential strategies for addressing the drivers of deforestation and degradation</u>	<u>48</u>
<u>2.9</u>	<u>Description of the process for developing and assessing the strategy options during 2011-2013.</u>	<u>51</u>
2C.	REDD IMPLEMENTATION FRAMEWORK	55
<u>2.10</u>	<u>Terms of Reference for designing a National REDD – Plus Implementation Framework in Uganda</u>	<u>55</u>
2.D.	SOCIAL AND ENVIRONMENTAL IMPACTS	57
<u>2.11</u>	<u>The Social Environmental Impact Assessment process</u>	<u>57</u>
<u>2.12</u>	<u>Action Plan for development of Environment and Social Management Framework (ESMF)</u>	<u>61</u>
COMPONENT 3: DEVELOP A REFERENCE SCENARIO		62
3. THE REFERENCE SCENARIO		62
<u>3.1</u>	<u>Definitions</u>	<u>62</u>
<u>3.2</u>	<u>Activity and Emission Data in Uganda</u>	<u>63</u>
<u>3.3</u>	<u>Future Scenarios</u>	<u>64</u>
<u>3.4</u>	<u>Capacity needs</u>	<u>66</u>
COMPONENT 4: DESIGNING A MONITORING SYSTEM		69
4. EMISSIONS AND REMOVAL		69
<u>4.1</u>	<u>Scope of MRV in Uganda</u>	<u>69</u>
<u>4.2</u>	<u>Data collection</u>	<u>72</u>
4B. MONITORING OTHER BENEFITS AND IMPACTS		74
<u>4.3</u>	<u>Budget for designing a Monitoring Plan</u>	<u>74</u>
COMPONENT 5: DESIGN A PROGRAMME MONITORING AND EVALUATION FRAMEWORK FOR R-PP		76
5. MONITORING SYSTEM FOR R-PP IMPLEMENTATION (2012-2014)		76
<u>5.1</u>	<u>M&E implementation modalities and responsibilities</u>	<u>76</u>
<u>5.2</u>	<u>Information management system and procedures</u>	<u>77</u>

<u>5.3</u>	<u>Reporting and accountability</u>	<u>77</u>
<u>COMPONENT 6: SCHEDULE AND BUDGET</u>		<u>78</u>
<u>6.</u>	<u>IMPLEMENTATION AND BUDGET</u>	<u>78</u>
<u>6.1</u>	<u>Implementation strategy</u>	<u>78</u>
<u>6.2</u>	<u>Capacity needs for R-PP implementation</u>	<u>79</u>
<u>6.3</u>	<u>Funding arrangements</u>	<u>79</u>
<u>6.4</u>	<u>Accountability measures</u>	<u>79</u>
<u>6.5</u>	<u>Risks and Assumptions</u>	<u>79</u>
<u>6.6</u>	<u>R-PP Implementation Budget</u>	<u>81</u>
<u>7</u>	<u>REFERENCES</u>	<u>93</u>
<u>8.</u>	<u>ANNEXES</u>	<u>94</u>
<u>9.</u>	<u>APPENDICES</u>	<u>95</u>

List of Tables

Number	Title/Description
<u>1</u>	<u>Provisional list of potential Implementing Institutions during R-PP Implementation</u>
<u>2</u>	<u>Composition of REDD-Plus Steering Committee (until December 2011)</u>
<u>3</u>	<u>Analysis of Policy and Legal Framework for R-PP implementation</u>
<u>4</u>	<u>Institutional mandates supporting R-PP implementation</u>
<u>15</u>	Summary of <u>Activity Plans and Schedule for</u> National Readiness Management Arrangements Activities and Budgets
<u>62</u>	<u>Schedule of</u> REDD -Plus Working Group Meetings and Outputs
<u>37</u>	Coverage of Consultations per Region
<u>48</u>	Summary of outcomes of Consultations per Category
<u>95</u>	Outcome of Stakeholder Consultations
<u>610</u>	Summary of Activity Plans and Schedules for developing REDD-Plus Consultations and Outreach Plan and Budget
<u>711</u>	Summary of Activity Plans and Schedules developing REDD -- Plus Awareness and Communications Strategy and Budget
<u>12</u>	<u>Summary of Activity Plans and Schedules for developing Conflict resolution and Grievances management System</u>
<u>813</u>	Land Cover Changes in Uganda (1990-2005)
<u>14</u>	<u>Biomass changes due to land-use changes in Uganda</u>
<u>915</u>	Assessment of land tenure in relation to deforestation and forest degradation
<u>16</u>	<u>Implications of forest tenure and management arrangements on REDD-Plus in Uganda</u>
<u>17</u>	<u>Geographical distribution of natural forests in Uganda</u>
<u>18</u>	<u>Changes in forest area in most affected districts (1999-2005)</u>
<u>19</u>	<u>Summary of Policy and legal processes for REDD-Plus</u>
<u>10</u>	<u>Key Policies and laws relevant to REDD-Plus</u>
<u>1120</u>	Summary of Institutional mandates in relation to REDD-Plus
<u>21</u>	<u>Chronology of Institutional Reforms in Forestry management</u>
<u>22</u>	<u>Chronology of Policy and Institutional Reforms related to forestry management</u>

<u>23</u>	<u>Summary of key deforestation and forest degradation drivers and actors</u>
<u>24</u>	<u>Summary of Activity Plans and Schedule for carrying out Assessment for trends in land use, policy and governance and budget</u>
12 <u>25</u>	Potential <u>Strategic</u> Options for including in REDD-Plus Strategy
13 <u>26</u>	<u>Summary Activity Plans and Schedule and budget for development of REDD-Plus Strategy and budget</u>
14 <u>27</u>	<u>Summary Activity Plans and Schedule Budget</u> for the development of REDD-Plus Implementation Framework <u>and budget</u>
15 <u>28</u>	Terms of Reference for Development Environmental and Social Management Framework
<u>29</u>	<u>The Environment and Social Management Framework (ESMF)</u>
<u>30</u>	<u>Log frame and timing for developing ESMF</u>
16 <u>31</u>	<u>Summary Activity Plans and Schedule Budget</u> for Developing Environmental and Social Management Framework <u>and budget</u>
<u>32</u>	<u>Emissions Data requirements and Adequacy</u>
17 <u>33</u>	<u>Summary Activity Plans and Schedule Summary of for developing Reference Scenario and budget activities and timelines</u>
18 <u>34</u>	<u>Summary Activity Plans and Schedule Budget</u> for designing <u>Monitoring Plan MRV and budget</u>
<u>35</u>	<u>The M&E Framework</u>
<u>36</u>	<u>The R-PP Implementation Budget</u>

Appendices

Number	Title/Description
1	Uganda REDD-Project Identification Note
2	Component 2(a); 2(b) and 2(c) report
3	Component (2d) report
4	Component 3&4 report
5	(Draft) Evictions study Report
5 <u>6</u> (a)	Consultations report (Benet)
6 <u>5</u> (b)	Consultations report (Batwa)

<u>65</u> (c)	Consultations report (Policy and Development Partners)
<u>65</u> (d)	Consultations report (Expanded National Consultations)
<u>76</u>	Awareness Strategy (during R-PP Formulation)
<u>87</u>	REDD-Plus Brochure
<u>98</u>	REDD – Plus Banner

List of Figures

- Figure 1: REDD Readiness Preparation Process
- Figure 2: Implementation Coordination and Supervision Structure
~~Pictogram of the Coordination and Supervision of R-PP implementation~~
- Figure 3: Consultations and Feedback loop
- Figure 4: map of Uganda showing distribution of Forests
- Figure 5: The Cattle Corridor in Uganda
- Figure ~~36~~: Approach and work flow for setting up Reference Scenario
- Figure ~~74~~: Procedure for designing a forest monitoring system

Boxes

- Box 1: Projects that fall under Category A, Category B, and, Category C

GENERAL INFORMATION

Contact Information

Details for the National REDD-Plus Focal Point submitting Uganda's REDD Readiness Preparation Proposal (R-PP)

Name	Xavier Mugumya Nyindo
Organization	National Forestry Authority (NFA)
Title	Coordinator, Climate Change/National REDD-Plus Focal Point(NFA)
Address	Plot 10/20 Spring Road, P.O Box 70863, Kampala, Uganda
Telephone	Tel: 031-264035/6; 0412 0365/6;256-776-408396
Facsimile	0414 - 230 369
Email	Email: info@nfa.org.ug ; xavierm@nfa.org.ug ; xavierm_1962@yahoo.com
Website	Website: www.nfa.org.ug

R-PP Development Team

R-PP Secretariat	
Alex B. Muhweezi	Technical Coordinator, REDD Readiness Preparation Proposal
Sheila Kiconco	Programme Officer, REDD Readiness Preparation Proposal
Xavier Mugumya	National Coordinator Climate Change/REDD Focal Point (NFA)
Consultants	
Sara Namirembe (PhD)	Katoomba Group
Robert Charles Aguma	ASRDEM Ltd
Timm Tennigkeit (PhD)	UNIQUE East Africa Ltd
Sean White	Forestry Consultant
Facilitators (Expanded Consultations)	
IUCN Environmental Alert Care Uganda Water Governance Institute Eco-Trust	

Tree Talk
 ACODE
 Tobari/IPACC
 NAPE
 BUCODO
 Uganda Media Trust

The REDD Readiness Proposal for Uganda was developed in a highly participatory manner involving stakeholders represented through the following structures:

- 1) REDD-Plus Working Group (*Annex 1: Composition of Uganda's REDD - Plus Working Group*)
- 2) REDD -Plus Steering Committee (*~~Annex Section 1.5.3.22~~: Composition of Uganda's REDD - Plus Steering Committee*).

Summary of the R-PP

Dates of R-PP preparation (beginning to submission):	March 2010 - January-March 2011
Expected duration of R-PP implementation (month/year to month/year):	January 2012-December 2014
Total budget estimate:	<i>To be completed</i>
Anticipated sources of funding:	<p>From FCPF: <i>to be completed</i></p> <p>From UN-REDD: <i>to be completed</i></p> <p>National government contribution: <i>to be completed</i></p> <p>Other source: <i>to be completed</i></p> <p>Other source: <i>to be completed</i></p>
Expected government signer of R-PP grant request (name, title, affiliation):	<p>.....</p> <p>Minister of Finance, Planning and Economic Development</p>
Expected key results from the R-PP implementation process:	<p><u>Result 1:</u> Institutional arrangements for implementing Uganda's REDD - Plus Strategy.</p> <p><u>Result 2:</u> Procedures and guidelines for REDD- Plus implementation.</p> <p><u>Result 3:</u> Capacity for REDD-Plus implementation.</p> <p><u>Result 4:</u> Strategies for addressing deforestation and forest degradation, the role of conservation, sustainable management of forests and enhancement of Carbon Stock.</p> <p><u>Result 5:</u> Future Reference Scenario of forestry resources in Uganda.</p> <p><u>Result 6:</u> Tools and system for Measurement, Reporting and Verifying REDD - Plus.</p> <p><u>Result 7:</u> Framework for assessing likely environmental and social impacts of REDD - Plus (ESMF).</p>

Executive Summary

This is a REDD Readiness Preparation Proposal for Uganda (R-PP) developed to serve as a tool for guiding Uganda's preparations to become ready for REDD-Plus. The development of this proposal was coordinated by the REDD-Plus Working Group and supervised by the REDD-Plus Steering Committee. The day to day undertaking including the preparation of the R-PP document was undertaken by the R-PP Secretariat housed in the National Forestry Authority.

The R-PP formulation process was coordinated by the Ministry of Water and Environment and National Forestry Authority. The latter served as the REDD Focal Point for Uganda. Both institutions collaborated with other government ministries and agencies, Non-Government Organizations (NGOs), Private sector, Academia, Cultural Institutions and Development partners, among others. The R-Pp was developed through a participatory process involving stakeholders at all levels of the society and across sectors.

The R-PP for Uganda demonstrates Uganda's commitment to the UNFCCC and other international policy regimes towards addressing causes and effects of Climate Change through sustainable management of forestry resources in Uganda. The R-PP also demonstrates Uganda's commitment to the FCPF as a participating Country.

The Goal of Uganda's R-PP is "**Uganda ready for REDD-Plus**". This goal will be realized through the following objectives:

- 1) **Objective #1:** To develop and elaborate on actions for addressing the direct drivers of deforestation and forest degradation in Uganda.
- 2) **Objective #2:** To develop practices for sustainable forest management and conservation.
- 3) **Objective #3:** To define and pilot test processes for stakeholder engagement in implementing Uganda's REDD-Plus Strategy.
- 4) **Objective #4:** To facilitate the development of tools and methodologies for assessing and monitoring the contribution of REDD-Plus activities to sustainable forest management in Uganda.
- 5) **Objective #5:** To strengthen national and institutional capacities for participation in REDD-Plus. This objective seeks to define and establish national (institutional, policy and legal) and farmer level capacities for REDD-Plus Strategy implementation and for participating in Carbon market.

The REDD-Plus Readiness Preparation Proposal presents the following priority actions for implementation during 2012-2014:

- a) Defining institutional arrangements for implementing Uganda's REDD-Plus Strategy.
- b) Developing operational procedures and guidelines for REDD- Plus implementation.
- c) Capacity building for REDD-Plus implementation.

- d) Defining strategies for addressing deforestation and forest degradation, the role of conservation, sustainable forest management and building Carbon Stock.
- e) Developing a national forest reference emissions level and forest reference level including future scenario.
- f) Developing a national forest monitoring system to measure, report and verify Uganda's REDD-Plus actions
- g) Developing framework for assessing likely social and environment impacts of REDD-Plus.

The following outputs are envisaged:

- a) Institutional arrangements for implementing Uganda's REDD - Plus Strategy.
- b) Procedures and guidelines for REDD- Plus implementation.
- c) Capacity for REDD-Plus implementation.
- d) Strategies for addressing deforestation and forest degradation, the role of conservation, sustainable forest management and building Carbon Stock.
- e) Future Scenario of forestry resources in Uganda.
- f) Tools and a national system for Measuring, Reporting and Verifying REDD-Plus actions.
- g) Framework for assessing likely environment and social impacts of REDD-Plus.

The description of these outputs will be in form of a National REDD-Plus-Strategy for Uganda.

The R-PP implementation aims to ensure that Uganda's REDD-Plus Strategy will be national product developed through a government led participatory process. The National Policy Committee on Environment will be responsible for high level legitimacy of the National REDD-Plus Strategy for Uganda. This organ will be assisted by a REDD-Plus Steering Committee which will supervise the R-PP implementation and draw on technical support from a National Implementation Committee, Taskforces and external expertise as appropriate. The Ministry of Water and Environment through the National Focal Point (Forestry Sector Support Department) will undertake day-to-day implementation and coordination tasks. Specific tasks will be assigned to suitable institutions within and outside government.

Uganda seeks US\$ ~~12,09652,000~~ to ~~finace~~finance its readiness activities, to be implemented over three years (2012 – 2014). (Funding to the implementation budget is expected to be drawn from Government sources (US\$.....), Development partners (US\$.....) and FCPF (US \$.....)).

The R-PP document is prepared following the FCPF format (Ver 4 of January 2010). The proposal documents incorporate some FCPF format (Ver 5 of December 2010) ~~ideas and ideas and~~ will be made fully compliant to this format before formal submission in second quarter of 2011.

Component 1: Organize and Consult

1a. National Readiness Management Arrangements

1. THE REDD - PLUS READINESS PROPOSAL (R-PP) FORMULATION

The REDD Readiness Preparation Proposal is developed to serve as a planning tool for guiding Uganda's preparations to become ready for REDD-Plus. It provides a framework for guiding long term investments to address Uganda's footprint on climate change through emissions from deforestation and forest degradation. It sets a roadmap, budget, and schedule to achieve REDD Readiness in Uganda. It also serves to mobilize financial resources from the FCPF and other sources and, stakeholders in implementing REDD-Plus Readiness activities for Uganda.

In addition, the R-PP serves to:

- a) Fulfil Uganda commitment to the UNFCCC and other international policy regimes targeting to demonstrate Uganda's commitment to addressing causes and effects of Climate Change through undertaking of activities that contribute to mitigation actions in the forest sector.
- b) Fulfil Uganda commitment to the FCPF as a participating Country.

1.1 Formulation process

This is the REDD Readiness Preparation Proposal for Uganda prepared from 2009-2010 by the REDD-Plus National Focal Point in collaboration with the REDD-Plus Working Group with participation of wide spectrum of stakeholders (*Annex 1: Composition of the REDD-Plus Working Group*). The REDD-Plus Working Group was formed in March 2010 to coordinate R-PP process.

The process of formulating the R-PP was overseen by national level Steering Committee that was formed in June 2010. (~~*Annex 2: Composition of the REDD-Plus Steering Committee.*~~ The business conducted by both the Working Group and Steering Committee is reported in Section 1.5). The formulation process emphasized consultations and engagement with the stakeholders including Government (Executive (Ministries and Government Agencies) and Legislative/ Parliament), NGOs/CSO, Private sector, Academia, Cultural Groups, Special groups, Forest dependent people, Communities, among others.

The REDD-Plus Steering Committee will continue to service the formulation of the R-PP until the R-PP is ready for implementation, presumably, up to end of 2011. This function is retained so that the negotiations for funding and implementation of the R-PP between Uganda and FCPF (and possibly other partners) continue to benefit from Stakeholders ownership and participation through the Steering Committee. The function of the Steering Committee will also include management of institutional disagreements and conflicts especially with regards to institutional roles and entitlements during R-PP implementation.

The National REDD-Plus Focal Point headed a National R-PP Secretariat comprised of National Forest Authority (NFA) Staff and Consultants. The R-PP formulation process was supported by Consultants hired to undertake selected studies.

The formulation process involved the following major steps.

1.1.1 Preparation and presentation of REDD Project Identification Note (R-PIN)

Uganda submitted REDD-Preparation Identification Note (R-PIN) to WorldBank/Forests Carbon Partnership Fund (FCPF) in June 2008 (*Appendix 1: Uganda R-PIN*) which served as a formal request for Uganda's participation in the FCPF program. It provided an initial overview of land use patterns and causes of deforestation, stakeholder consultation process, and potential institutional arrangements in addressing REDD-Plus.

1.1.2 Mobilizing financial support

The preparation of REDD Readiness Preparation Proposal (R-PP) was facilitated by financial grant from Forest Carbon Partnership Fund (FCPF) through the World Bank amounting to US \$ 200,000. Additional financial support amounting to US\$ 183,500 was provided by Norwegian Government specifically to facilitate country-wide stakeholder consultations and participation. Several local, national and international organizations provided in-kind support in form of information, time and resources to the R-PP formulation. Uganda Government greatly appreciates this support.

1.1.3 REDD – Plus Readiness Proposal preparation

The proposal preparation process involved the following:

a) Consultations with Stakeholders

Countrywide consultations with stakeholders were conducted between April – ~~February~~ December 2010. ~~Consultations are ongoing until March 2011~~ (Section 1.6)

b) Studies

Studies were carried out by Consultants contracted by the National Focal Point and provide information on the following:

- i) Land use, forest policies and governance issues (*Component 2(a); Appendix 2*)
- ii) Options for the REDD - Plus Strategies (*Component 2(b); Appendix 2*)
- iii) REDD -Plus implementation Framework (*Component 2(c); Appendix 2*)
- iv) Likely Social and Environmental Impacts (SESA) (*Component 2(d); Appendix 3*)
- v) Options for developing Reference ~~S~~scenario (*Component 3; Appendix 4*)
- vi) Systems to Measure, Verify and Report (MRV) the effect of REDD-~~Plus~~+ strategies on sustainable forest management in Uganda (*Component 4; Appendix 4*).
- vii) Implications of evictions on REDD-~~Plus~~ implementation in ~~Uganda-Uganda~~(*Appendix 5*).

c) Administration and Documentation

The National Forestry Authority established a 3 - person R-PP Secretariat between May-December ~~2011~~ March 2011 under the leadership of the National REDD-Plus Focal Point.

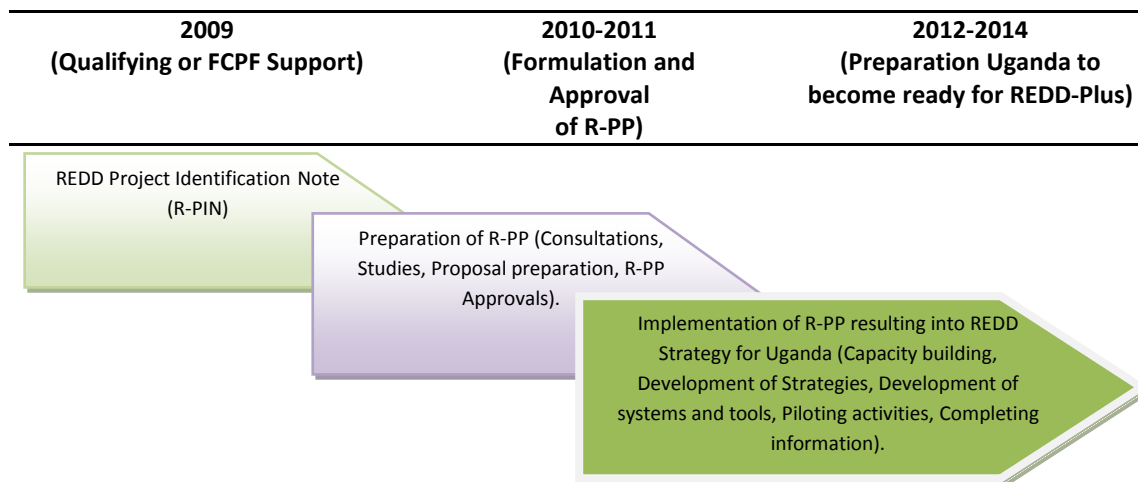
d) Approval

The Uganda REDD-Plus Readiness Preparation Proposal has been duly approved by Minister of Water and Environment and Minister of Finance, Planning and Economic Development in accordance with government procedures.

1.2 The process for achieving Uganda Readiness for REDD-Plus

This is the REDD-Plus Readiness Preparation Proposal for Uganda to be implemented over a three year period (Figure ~~11~~ 14). The R-PP Proposal is a description of the Goal, Objectives, Strategies and actions (component 2(b) aimed at preparing Uganda to become ready for REDD-Plus by 2014.

Figure ~~11~~ 14: REDD-Plus Readiness Preparation process for Uganda



1.3 Activities during the R-PP implementation

The REDD-Plus Readiness Preparation Proposal presents the following priority actions for implementation during 2012-2014:

- a) Defining institutional arrangements for implementing Uganda’s REDD-Plus Strategy.
- b) Developing operational procedures and guidelines for REDD-Plus implementation.
- c) Capacity building for REDD-Plus implementation.
- d) Defining strategies for addressing deforestation and forest degradation, the role of conservation, sustainable forest management and building Carbon Stock.
- e) Developing Future Scenario of forestry resources in Uganda.
- f) Developing tools and system for Monitoring, reporting and Verifying REDD-Plus.
- g) Developing framework for assessing likely environmental and social impacts of REDD-Plus.

1.4 Outputs from R-PP implementation

The following outputs are envisaged:

- a) Institutional arrangements for implementing Uganda's REDD-Plus Strategy.
- b) Procedures and guidelines for REDD-Plus implementation.
- c) Capacity for REDD-Plus implementation.
- d) Strategies for addressing deforestation and forest degradation, the role of conservation, sustainable forest management and building Carbon Stock.
- e) Future Scenario of forestry resources in Uganda.
- f) Tools and system for Measuring, Reporting and Verifying REDD-Plus.
- g) Framework for assessing likely environmental and social impacts of REDD-Plus.

1.5 The Lead agencies and their mandates during R-PP Formulation and R-PP implementation

The following section describes the involvement of government ministries, and lead agencies, districts and stakeholders in the R-PP formulation process and during R-PP implementation.

1.5.1 Mandates of Key Government ministries and Lead agencies during R-PP formulation (2009-2011)

The R-PP formulation process was coordinated by the Ministry of Water and Environment and National Forestry Authority. The latter served as the REDD Focal Point for Uganda. Both institutions collaborated with other government ministries and agencies, Non-Government Organization (NGOs), Private sector, Academia, Cultural Institutions and Development partners, among others. The following sections provide details on the mandates and collaboration.

a) Ministry of Water and Environment

The Ministry of Water and Environment established and chaired REDD-Plus Working Group and the REDD-Plus Steering Committee between March 2010 and January-February 2011. The Ministry approved the REDD-Plus Readiness Preparation Proposal. Through its Directorate of Environment Affairs (and the departments responsible for forestry, environment, wetlands and meteorology) and the Climate Change Unit, the ministry provided policy guidance, technical information as well as technical support and input into the REDD-Plus Readiness Preparation Proposal formulation.

b) National Forest Authority

The National Forestry Authority was mandated by Ministry of Water and Environment to lead the formulation process. The National Forestry Authority accomplished the following tasks:

- i) Represented Uganda in national and global REDD-Plus processes (mobilizing and managing financial resources, consultations, meetings, reporting and communication, etc.).
- ii) Established and managed the R-PP Secretariat staff and operations.
- iii) Managed grants extended by FCPF (through WorldBank) and Norway Government.
- iv) Through the R-PP Secretariat:

- Commissioned and supervised studies on Component 2 (a), (b), (c), (d), 3 & 4 and Evictions in Protected Areas.
- Commissioned and supervised the Stakeholder Consultations.
- Coordinated the over-all R-PP formulation process including liaison with Stakeholders and Donor partners.
- Serviced the REDD-Plus Working Group and REDD-Plus Steering Committee.
- Provided background information on Forestry resources in Uganda.
- Supervised the preparation of REDD-Plus Readiness Preparation Proposal.
- Processed the approval of the REDD-Plus Readiness Preparation Proposal.

c) Collaborating Government Ministries and Agencies

Government ministries and agencies responsible for energy, agriculture, livestock, physical planning, land use planning, land administration, environmental management, wildlife, trade, development planning, economic management and local governments were actively engaged in the formulation of the R-PP through provision of information and advice. (Annex 3).

d) Districts

Districts represent local Government authorities. Under decentralized system of Government in Uganda, Districts have mandate of managing Local Forest Reserves, Private forests, Community Forests and, forestry resources development within their areas of jurisdiction. Furthermore, Districts have mandate to manage land, environment, wetlands and wildlife outside protected areas. Districts have mandate over community development, agriculture development and ensuring over-all development planning. During the R-PP formulation, district political and technical leadership were consulted through regional workshops and during Expanded Consultations programme (Section 1.6). Districts were represented in the REDD-Plus Working Group and Steering Committee deliberations.

1.5.2 Participation by non-government institutions during R-PP formulation (2009-2011)

The R-PP formulation process benefitted from a variety of non-government institutions consisting of NGOs, Private Sector, Academia and Cultural Institutions through provision of information, advice and service during public consultations (Section 1.6 Annex 3).

1.5.3 Institutional mandates and participation in R-PP implementation (2012-2014)

The R-PP shall be implemented by Government of Uganda with active participation of stakeholders (Component 1(b)). Stakeholders will participate in:

- a) Piloting sustainable forest management through initiatives such as Collaborative Forest Management (CFM), Collaborative Resources Management (CRM) and Ecotourism.
- b) Establishing carbon stocks.
- c) Promotion of forest resources utilization technologies.
- d) Monitoring R-PP implementation.
- e) Providing technical support and inputs into various aspects of R-PP implementation.

1.5.3.1 Institutional mandates during R-PP implementation (2012-2014)

The following sections provide detail on institutional arrangements for R-PP implementation and coordination and definition of institutional roles. The institutional arrangements described take into account the fact that the REDD-Plus Strategy will be national product that should be developed through a government led process. It is further considered to engage a process that ensures accountability for resources supporting the R-PP implementation whilst engaging the various lead agencies and stakeholders in the process. Lastly, the arrangements aim at ensuring government and national wide ownership of the REDD-Plus Strategy and commitments therein.

The following institutions will be responsible for ensuring that the R-PP is satisfactorily implemented.

a) The National Policy Committee on Environment

The over-all Policy coordination and harmonization with regards to REDD-Plus shall be responsibility of the National Policy Committee on Environment under the Office of the Prime Minister (Figure 22). The National Policy Committee on Environment is a legal organ established in 1995 under the Environment Act of Uganda (Cap 153). The Policy Committee provides a forum for coordinating and harmonizing policy issues pertaining to REDD-Plus due to its legality as well as its composition and mandate. Its membership consists of Prime Minister (Chair), ministers responsible for: i) Natural resources and Environment; ii) Agriculture, Animal Industry and Fisheries; iii) Finance, Planning and Economic Development; iv) Education and Sports; v) Health; vi) Land, Housing and Urban Development; vii) Local governments; viii) Gender and Community development; ix) Tourism, Wildlife and Antiquities; and, x) Trade and Industry¹. The functions of the National Policy Committee on Environment are to: i) provide policy guidelines and to formulate and coordinate environmental policies for the Environment Authority (NEMA); ii) liaise with the Cabinet on issues affecting the environment; iii) identify obstacles to the implementation of environment policies and programmes and ensure implementation of these policies and programmes; iv) perform any other functions that may be assigned to it by government.

The National Policy Committee on Environment shall perform the following functions during 2012-2014:

- i. Harmonize policies pertaining to REDD-Plus with sectoral ministries.
- ii. Liaise with the Cabinet on issues affecting the smooth implementation of REDD-Plus Strategy.
- iii. Harmonize the implementation of REDD-Plus with broader Climate Change initiatives in Uganda.

b) Ministry of Water and Environment

The ministry responsible for forestry resources management in Uganda (presently, Ministry of Water and Environment) shall be **Lead ministry** for coordinating implementation of the R-PP. This decision takes into account the fact that REDD - Plus concerns itself, largely, with forestry resources conservation and management and hence the mandate of the ministry. Specifically, the Ministry of Water and Environment will perform the following functions and responsibilities:

¹ The Composition of the National Policy Committee on Environment does not include the ministry responsible for Energy. It is therefore proposed to include the Energy Ministry in deliberations on REDD-Plus Strategy formulation and implementation.

- i. Supervision, co-ordinate and report on the progress of preparing REDD-Plus Strategy for Uganda.
- ii. Ensure that R-PP budget is reflected in the lead and sectoral ministry's plans, budgets and accounts.
- iii. Facilitate the integration REDD-Plus Strategies and actions into plans and budgets of implementing agencies.
- iv. Provide a stable and enabling work environment for the implementation of the R-PP.
- v. Convene REDD-Plus Steering Committee (RSC) and the National Technical Committee.

The Ministry of Water and Environment ~~shall~~has designated the Forestry Sector Support Department (FSSD) to serve as **National REDD-Plus Focal Point** to undertake the day-to-day tasks of implementation effective 2012 because of its mandate over forestry policy management in Uganda. The National REDD-Plus Focal Point shall be responsible for facilitating implementation linkages between the Ministry of Water and Environment and other implementing institutions and REDD-Plus Steering Committee and the National Technical Committee.

The specific tasks for the Focal Point are:

- **Implement mandate of the Lead Ministry** with respect to:
 - Reporting and Communication about REDD-Plus and R-PP implementation progress.
 - Coordination of R-PP implementation within the Lead ministry and with other ministries, government agencies, NGOs, Private Sector, etc.
 - Budgeting and financial management and reporting.
 - Facilitating relevant forums.
- **Represent Lead Ministry** in R-PP implementation activities including:
 - Providing information and advice to the REDD – Plus Steering Committee (RSC).
 - Convening and facilitating the work of the National Technical Committee.
 - Serving as Secretary to the RSC meetings and national Technical Committee.
 - Participating in R-PP related Forums and meetings within and outside the Country.
- **Implement** day-to-day activities including:
 - Coordinating implementation of FSSD REDD-Plus activities.
 - Coordinating implementation of R-PP activities by other institutions.
 - Monitoring, assessing and reporting on progress of implementation.
 - Managing R-PP implementation budget.

It is envisaged that the FSSD capacity will be strengthened prior to and during R-PP implementation as appropriate. This capacity strengthening effort will be preceded by a capacity needs assessment aiming at identifying critical capacity needs in order for the FSSD to effectively deliver the mandates. It further envisaged that FSSD will assign tasks and responsibilities to other Lead agencies (e.g., NFA, NEMA, Districts) and implementing institutions (e.g., NGOs, Private Sector) where appropriate.

c) National Technical Committee

The REDD-Plus Steering Committee shall establish and supervise a National Technical Committee comprising of individual experts drawn from key areas of specialization within and outside

government. The National Technical Committee shall take over the technical role provided by the REDD-Plus working group during 2009-2011.

Representatives to the National Technical Committee shall be selected by the REDD-Plus Steering Committee taking into account the following expertise among others: forestry management, forestry/biomass mapping and surveying, Forestry policy and legal, Carbon finance, REDD/Carbon projects implementation, Natural resources economics, Socio-economics, among others.

The following shall be the functions of the National Technical Committee:

- i. Oversee the technical aspects of preparation of the REDD-Plus Strategy for Uganda.
- ii. Ensure quality and standards and compliance to REDD-Plus principles.
- iii. Provide specialist inputs into the design of REDD-Plus Strategies, tools and methodologies.

d) Implementing institutions

REDD-Plus Preparation Proposal implementation shall involve other institutions in addition to the ministry responsible for forestry. These institutions other than the Ministry of Water and Environment, will be selected by the National Steering Committee from within and outside government taking into account. ~~Implementing institutions shall be selected taking into account their i) legal mandates in relation to over applicable aspects of R-PP implementation; ii) capacities and capability to deliver the tasks. The National Steering Committee shall select and recommend eligible institutions to the Ministry of Water and Environment to be assigned. The Lead Ministry shall commit and assign these institutions.~~ Activities assigned to the Implementing Institutions shall be eligible for budget allocation from the R-PP implementation budget.

Whereas the selection of the “Implementing Institutions” will be made at latter date when the REDD-Plus Strategy for Uganda has been finalized, it is envisaged that the following institutions will be among them due to their mandates Table 1 below.

Table 1: Provisional list of potential Implementing Institutions during R-PP Implementation

<u>Institution</u>	<u>Mandate</u>
<u>Uganda Wildlife Authority</u>	<u>Management of forested Wildlife Protected areas (National Parks and Wildlife Reserves).</u>
<u>National Forest Authority</u>	<u>Management of Central Forest Reserve, Biomass mapping and Inventory.</u>
<u>Wetlands Management Department</u>	<u>Management of Wetlands (and Wetland forests).</u>
<u>Local Government Administration (Districts in pilot areas)</u>	<u>Management of land scape and resources outside centrally managed protected areas.</u>
<u>Uganda Bureau of Statistics</u>	<u>National Data and information management.</u>

The Implementing Institutions shall perform the following functions:

- i. Implement and report on progress of implementation on assigned tasks.
- ii. Participate in the REDD-Plus Steering Committee.
- iii. Host and facilitate functioning of Taskforces.

e) Task Forces

R-PP implementation shall be supported by theme-based Taskforces, appointment on a case by case basis by the Lead Ministry on recommendation of the National Steering Committee. The following themes shall be considered to be supported by a designated Taskforce: i) Policy, Legal and Institutions; ii) Methodological issues (Tools and Procedures for Mmeasuring, Rreporting and Verifying REDD-Plus actions; iii) Social and Environmental Safeguards; iv) REDD-Plus Demonstration activities, and; v) Participation and Consultation.

Membership to the taskforce shall consider expertise and availability to support the theme. As much as possible, institutions with information/data and capacities in a specific theme shall be invited to assign a staff member to serve on a Taskforce. Each theme shall be housed within one of the Implementing institution.

Reporting to the “Host” institution, the broad functions of the Taskforces are to:

- i. Design and provide oversight to the strategies corresponding to the themes.
- ii. Provide specialist input into the preparation of REDD-Plus Strategy.
- iii. Facilitate technical level coordination and sharing of information with own institutions.

1.5.3.2 R-PP implementation Coordination, Supervision and Monitoring (2012-2014)

The preparation of the R-PP has been spearheaded by the Ministry of Water and Environment with involvement of lead agencies, Districts and, NGO, Private Sector, Academia and Cultural Institutions representing respective Stakeholders. In order to ensure ownership beyond the Ministry of Water and Environment, Stakeholders shall continue to participate and influence the finalization of Uganda REDD-Plus Strategy and national preparedness for REDD-Plus. In this regards, R-PP implementation ~~seeks to shall~~ involve multiple institutions whilst ensuring compliance to national policies and REDD-Plus procedures and standards.

To achieve the above scenario, R-PP implementation ~~his~~ requires an effective institutional coordination, supervision and monitoring mechanisms. The following section describes coordination and supervision mechanisms while the monitoring aspects are presented in Component section- 56. Figure 2. below presents an organogramme showing the coordination and supervision arrangements.

a) Coordination and supervisions responsibility of the Lead Ministry

The Ministry of Water and Environment shall assume executive function for coordinating and supervising R-PP implementation. The R-PP implementation shall apply a multi-stakeholders sectoral approach similar to the Water and Environment/ Natural Resources Sector (WENR) Investment Plan implementation and coordination approach. In this approach, all implementing institutions shall implement activity plans derived from the over-all R-PP implementation plan. These activity plans will also serve as the basis for budget allocation. Implementing institutions shall report, communicate and obtain/provide feedback mechanisms shall follow those applied under the WENR.

b) Policy level Coordination and supervision by REDD-Plus Steering Committee

A national REDD – Plus Steering Committee shall serve as an advisor to the Lead Ministry. It shall be established by the Ministry of Water and Environment and comprised of Central Government

ministries and agencies, Local Governments, NGOs, Academia, and Private Sector agencies² (Table 2 Annex 2). Implementing Institutions shall serve as advisors to the REDD-Plus Steering Committee.

Table 2: Composition of REDD –Plus Steering Committee (up to December 2011)

<u>Institution</u>	<u>Name</u>
<u>Ministry Responsible for Forests (Chair)</u>	<u>David Obong</u>
<u>Office of the Prime Minister (OPM)</u>	<u>Sylvia Biraahwa Nakabugu</u>
<u>Ministry of Energy and Minerals Development</u>	<u>Sam Barasa</u>
<u>Ministry of Tourism, Trade and Industry</u>	<u>George Owoyesigire</u>
<u>Ministry of Gender, Labour and Social Development</u>	<u>Shem Mwesigwa</u>
<u>Ministry of Finance, Planning and Economic Development</u>	<u>Joyce Ruhweza</u>
<u>Ministry of Agriculture, Animal Industry and Fisheries</u>	<u>Alex Bambona</u>
<u>Ministry of Land, Housing and Urban Development</u>	<u>Vincent Byendamira</u>
<u>National Environment Management Authority</u>	<u>Francis Ogwal</u>
<u>National Forest Authority (Secretariat to the RSC)</u>	<u>Hudson Andrua</u>
<u>Uganda Wildlife Authority</u>	<u>Richard Kapere</u>
<u>Climate Change Unit (MWE)</u>	<u>Paul Isabirye</u>
<u>Parliamentary Forum on Climate Change</u>	<u>David Ebong</u>
<u>District Local Government representative (Mukono)</u>	<u>Dennis Ombasa</u>
<u>Ministry of Local Government</u>	<u>Margaret Lwanga</u>
<u>Department of Forestry Sector Support Department</u>	<u>Rachael Musoke</u>
<u>Royal Norwegian Embassy</u>	<u>1st Secretary, Development Cooperation</u>
<u>World Bank</u>	<u>Country Director</u>
<u>NGO/CSO</u>	
i. <u>IUCN</u>	<u>Barbra Nakangu</u>
ii. <u>Environmental Alert</u>	<u>Charles Waraga</u>
<u>Private Sector (Uganda Tree Growers Association)</u>	<u>Robert Nabanyumya</u>
<u>Representative of Cultural Institution</u>	<u>Sekaja Yahaya</u>
<u>Indigenous people/Forest Dependent People</u>	<u>Lomonyang Margaret</u>

Note: The Steering Committee during 2012-2014 may adopt or modify this composition due to anticipated institutional reforms in 2011.

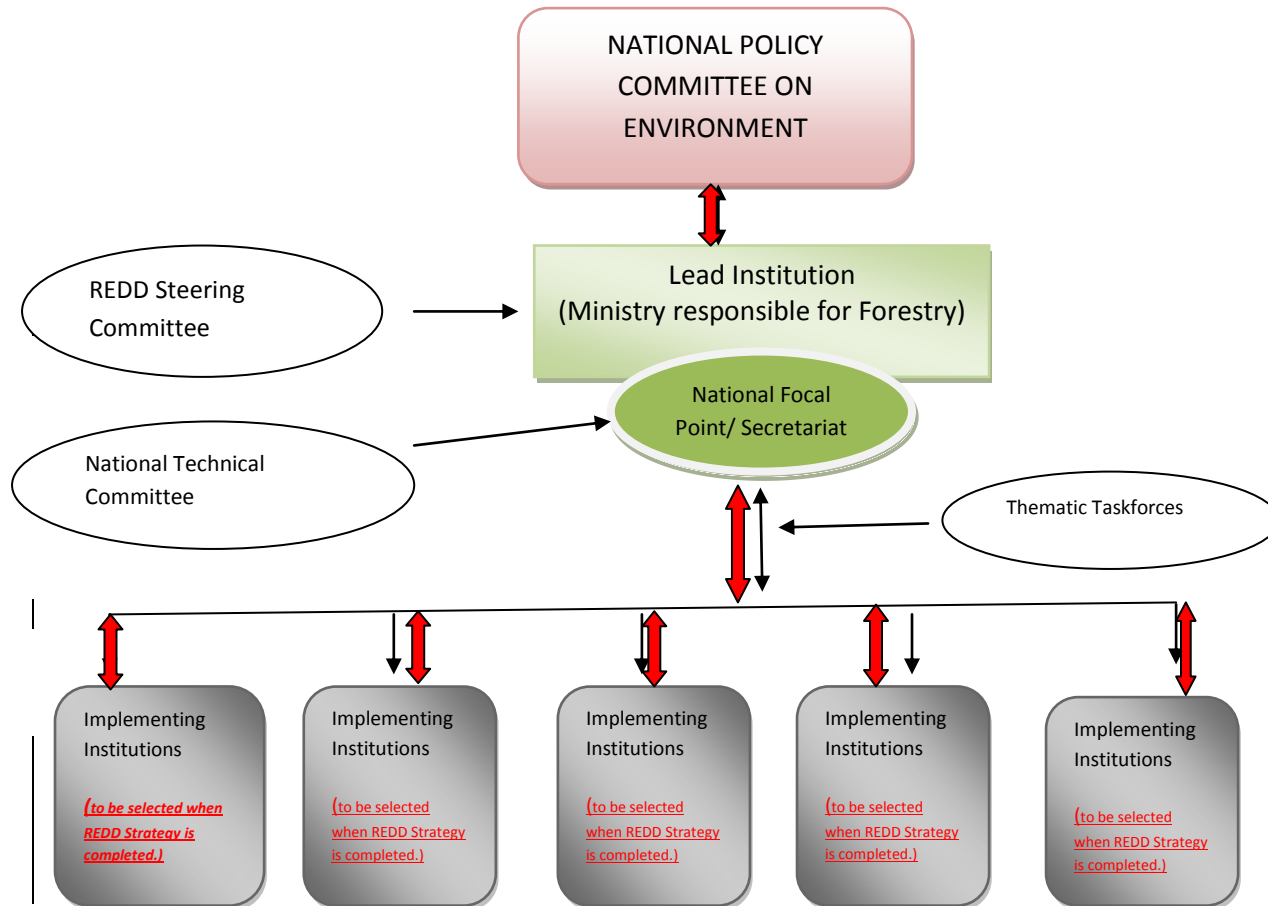
Reporting to the Permanent Secretary in Ministry of Water and Environment, the REDD-Plus Steering Committee shall perform the following functions:

- a) Provide strategic direction and policy guidance to the R-PP implementation.
- b) Provide linkages to Ministries, Lead agencies, Implementing Institutions, Districts and Non-government actors (NGOs, Private Sector, Cultural institutions, Indigenous people, etc.).
- c) Approve work plans/activity plans and budgets.
- d) Recommend establishment of National Technical Committee and Thematic Task Forces.
- e) Recommend establishment of mechanisms for resolving institutional conflicts or disagreements during the 2012-2014 implementation period.
- f) Recommended the National REDD-Plus Strategy to government for approval.



² The proposed Steering Committee may inherit both membership and responsibilities of the R-PP Formulation Steering Committee

The REDD-Plus Steering Committee shall continue to be convened by the Permanent Secretary of the Ministry of Water and Environment and facilitated by the REDD-Plus Focal Point (FSSD) as its Secretariat. It will transact its business via formal meetings and information sharing. Although the Steering Committee is comprised of non-paid members, its direct expenditures and costs shall be met by the R-PP implementation budget. The Steering Committee shall adopt its own Rules of Procedure.

Figure 2: Implementation Coordination and Supervision Structure



Note:

 = Reporting and accountability responsibility
 = Advisory and Participation

Implementing Institutions will be specified later when the REDD-Plus Strategies have been confirmed. This is intended to ensure that REDD-Plus Strategies are assigned to most appropriate ~~The~~ institutions. The REDD-Plus Steering Committee shall recommend Implementing institutions and tasks and budget to be assigned. The MWE shall commit and assign work to the Implementing Institutions.

1.5.4 Policy, institutional and legal provisions and requirements for R-PP implementation in Uganda

A conducive policy, legal and institutional framework that is consistent with the emerging international REDD-Plus principles is essential for successful implementation of REDD - Plus Readiness Preparation Proposal in Uganda. This section presents an analysis of provisions and requirements based on current policy, institutional and legal regimes in Uganda. Section 2.8 recommends further policy and legal analysis when the REDD-Plus Strategies have been confirmed so as to ensure conformity of these strategies.

1.5.4.1 Policy and legal frameworks supporting R-PP implementation (2012-2014)

The Uganda's policies and legislation are adequate for R-PP implementation. Specifically, they provide the following foundations of successful R-PP:

- i. Commitment to sustainable forest management and maintenance of Permanent Forest Estate.
- ii. Stakeholder participation (private sector, academia, and communities, forest dependent people).

The following policy and legal frameworks support the R-PP implementation (Table 3)

Table 3: Analysis of Policy and legal framework for R-PP implementation

<u>Framework</u>	<u>Provisions Relevance to R-PP</u>
<u>Legal</u>	
<u>The Constitution of Republic of Uganda (amended 2005)</u>	<u>✔ Provides for management of Uganda's natural resources, forestry and land resources inclusive.</u>
<u>Forestry and Planting Act (8/2003)</u>	<u>✔ Legal framework for management of forest resources</u> <u>✔ Incentives including sharing of benefits from conservation of Forestry Protected Areas</u> <u>✔ Stakeholder participation</u>
<u>Wildlife Act cap 200</u>	<u>✔ Legal framework for management of forested Wildlife Protected Areas</u> <u>✔ Incentives including sharing of benefits from conservation of Wildlife Protected Areas</u> <u>✔ Stakeholder participation</u>
<u>Local Government Act</u>	<u>✔ Stakeholder participation</u> <u>✔ Decentralised (devolved) management of Local forest</u>

	<u>reserves</u>
<u>National Environment Act cap 153</u>	<ul style="list-style-type: none"> ↗ <u>Incentives including sharing of benefits from biodiversity conservation</u> ↗ <u>Development and promotion of environmental policy guidelines and standards</u> ↗ <u>Stakeholder participation</u>
<u>Land Act cap 227</u>	<ul style="list-style-type: none"> ↗ <u>Stakeholder participation</u> ↗ <u>Legal Framework for management of land and land resources</u>
Policy	
<u>Forest Policy (2001)</u>	<ul style="list-style-type: none"> ↗ <u>Stakeholder participation</u> ↗ <u>Maintenance of Permanent Forest Estate</u> ↗ <u>Policy guidelines for Sustainable Forest Management</u>
<u>National Environment Policy (1995)</u>	<ul style="list-style-type: none"> ↗ <u>Stakeholder participation</u> ↗ <u>Policy guidelines for Environmental Management</u>
<u>Wildlife Policy (1999)</u>	<ul style="list-style-type: none"> ↗ <u>Stakeholder participation</u> ↗ <u>Conservation of forests in Wildlife Protected Areas</u> ↗ <u>Policy guidelines for Management of Wildlife and Wildlife Protected Areas</u>
<u>District Ordinances and Byelaws</u>	<ul style="list-style-type: none"> ↗ <u>Environmental management</u> ↗ <u>Guidelines for management of Local Forest Reserves</u> ↗ <u>Stakeholder participation</u> ↗ <u>Incentives for stakeholder participation and engagement</u>
National, Districts and Sector Development Plans	
<u>National Development Plan (2009)</u>	↗ <u>Sustainable development through preservation of natural resources such as forests</u>
<u>National Forest Plan (2002)</u>	<ul style="list-style-type: none"> ↗ <u>Sustainable forest management</u> ↗ <u>Maintenance of Permanent Forest Estate</u>
<u>District Development Plans</u>	<ul style="list-style-type: none"> ↗ <u>Environmental Action Plans</u> ↗ <u>District Forest Plans</u>
Regulations	
<u>Collaborative Forest Management Guidelines.</u>	<ul style="list-style-type: none"> ↗ <u>Community participation in forest management.</u> ↗ <u>Benefit sharing between NFA and the communities.</u> ↗ <u>Development of community regulations.</u>
<u>Environmental Impact Assessment Guidelines</u>	↗ <u>Regulating environmental aspects of developments and development planning in relation to environmental management standards and requirements.</u>

1.5.4.2 Institutional framework for R-PP implementation (2012-2014)

Institutional arrangements for implementation of R-PP are described in Section 1.5.3.1. However, the following institutions (Table 4) that have mandate over respective activities of REDD-Plus shall be prominently engaged in the preparation of REDD-Plus Strategy for Uganda.

Table 4: Institutional mandates supporting development of Uganda REDD Strategies

<u>Institution</u>	<u>Mandate applicable to R-PP implementation</u>
<u>Ministry of Water and Environment (MWE)</u>	<ul style="list-style-type: none"> ↗ <u>Implementation of National Forestry Policy and National Forest Plan</u> ↗ <u>R-PP implementation coordination and supervision</u>

<u>Forestry Sector Support Department (FSSD)</u>	<ul style="list-style-type: none"> ↗ <u>Advice and support to define policies, standards and regulations for the forestry sector.</u> ↗ <u>REDD- Plus National Focal Point (effective 2012)</u>
<u>National Forest Authority (NFA)</u>	<ul style="list-style-type: none"> ↗ <u>Technical support in pilot activities in relation to Central Forest Reserves</u> ↗ <u>Provision of Expertise and data in forestry resources and biomass</u>
<u>Uganda Wildlife Authority (UWA)</u>	<ul style="list-style-type: none"> ↗ <u>Technical support in pilot activities in relation to forested Wildlife Conservation Areas</u> ↗ <u>Provision of Expertise and data on past and ongoing Carbon projects within National Parks</u>
<u>National Environment Management Authority (NEMA)</u>	<ul style="list-style-type: none"> ↗ <u>Technical support in pilot activities</u> ↗ <u>Provision of Expertise and data on environmental trends, biodiversity, etc.</u>
<u>Ministry of Energy and Minerals Development (MEMD)</u>	<ul style="list-style-type: none"> ↗ <u>Implementation of National Energy Policy</u> ↗ <u>Technical support in pilot activities in relation to renewable energy</u> ↗ <u>Provision of Expertise and data in renewable energy development, use and trends</u>
<u>Ministry of Tourism, Trade and Industry</u>	<ul style="list-style-type: none"> ↗ <u>Implementation of National Trade Policy</u> ↗ <u>Regulating and licensing Trade in Forest produce e.g., timber, Charcoal</u>
<u>Ministry of Gender, Labour and Social Development</u>	<ul style="list-style-type: none"> ↗ <u>Implementation of Policies on Gender, Culture, Community Development, Disabled and Elderly People, etc.</u> ↗ <u>Provision of data on culture and indigenous people, etc</u>
<u>Ministry of Finance, Planning and Economic Development</u>	<ul style="list-style-type: none"> ↗ <u>Development and coordination of implementation of National Development Plans</u> ↗ <u>Implementation of National Population Policy</u>
<u>Ministry of Agriculture, Animal Industry and Fisheries</u>	<ul style="list-style-type: none"> ↗ <u>Implementation of National Policies on Agriculture, Food security, Livestock and Rangeland management</u> ↗ <u>National Focal Point for UN-CCD</u>
<u>Ministry of Land, Housing and Urban Development</u>	<ul style="list-style-type: none"> ↗ <u>Implementation of National Land Use Policy</u> ↗ <u>Implementation of Land tenure and land administration (including surveying and registration of titles)</u>
<u>Local Government (Districts)</u>	<ul style="list-style-type: none"> ↗ <u>Technical support in pilot activities on privately owned land and Local Forest Reserves</u> ↗ <u>Provision of Expertise and data on Community initiatives</u> ↗ <u>Mobilizing communities and Stakeholders</u>
<u>National Agricultural Research Organization (NARO) (National Forestry Resources Research Institute (NaFORRI)</u>	<ul style="list-style-type: none"> ↗ <u>Technical support in pilot research activities</u> ↗ <u>Provision of Expertise and data on forestry, land, soils, etc.</u>
<u>Universities</u>	<ul style="list-style-type: none"> ↗ <u>Technical support in pilot research activities</u> ↗ <u>Provision of Expertise and data (Social, economic, environmental)</u>
<u>Community</u>	<ul style="list-style-type: none"> ↗ <u>Participation in Sustainable Forest Management</u> ↗ <u>Indigenous knowledge Information</u> ↗ <u>Implementation of Pilot activities</u>

<u>NGOs/CSO</u>	<ul style="list-style-type: none"> ↗ <u>Mobilizing Stakeholders to participate</u> ↗ <u>Monitoring quality and adherence to REDD principles</u> ↗ <u>Technical support in pilot areas</u>
<u>Private Land Owners</u>	<ul style="list-style-type: none"> ↗ <u>Participation in Sustainable Forest Management</u> ↗ <u>Implementation of Pilot activities</u>
<u>Private Forest Owners</u>	<ul style="list-style-type: none"> ↗ <u>Participation in Sustainable Forest Management</u> ↗ <u>Implementation of Pilot activities</u>

For effective implementation of the R-PP, the above institutional landscape will be enhanced through:

- a) Mobilizing Private sector institutions to participate in R-PP Implementation.
- b) Initiating Community and individual farmer’s capacity to pilot projects.
- c) Developing and applying binding procedures, systems and tools for stakeholder participation in Strategy development.

~~The policy and legal frameworks that support the R-PP implementation are described in Appendix 2-~~

1.5. ~~4.24.3~~ Policy and legal frameworks likely to hinder R-PP implementation

The likely weakness or constraint that has potential to negatively affect R-PP implementation are the policy and legal gaps relating to licensing of Carbon trade and defining Carbon rights. Additional policy and legal constraints pertaining to R-PP implementation are described in Component 2(a).

1.5.5 Relationship between REDD-Plus and Forestry Policy for Uganda

a) Relationship with the Forestry Policy

The R-PP derives its legitimacy from the National Forestry Policy (2002) and National Forest Plan (2003) (under revision). The R-PP contributes the National Forestry Policy goal of *An integrated forest sector that achieves sustainable increases in the economic, social and environmental benefits from forests and trees by all the people of Uganda, especially the poor and vulnerable* and objectives as stated in the National Forestry Policy (2002). Specific relationship is described in Annex 42.

b) Relationship with National Forest Plan beneficiaries and targets

The REDD-Plus Strategy supplements the National Forest Plan through the strategies that address deforestation and forest degradation, monitoring of emission reduction, marketing REDD Carbon credits, distributing benefits equitably among stakeholders including the poor and vulnerable, sustainable forest management, biodiversity conservation, community participation and, engaging partners to implement these activities. Details are described in Annex 42.

1.5.6 Relationships with National Development Plan (NDP)

Uganda’s 2010-2019 National Development Plan (NDP) aims to increase forest cover from 3,604,176ha to 4,933,746ha by 2015. It commits to enhance capacity for: i) enforcing forestry law; ii) private tree planting, and, iii) farm forestry. The R-PP activities which will involve tree planting

and development of tools and methodologies for monitoring impact of REDD-Plus on forestry resources in Uganda contribute to the aims of NDP on forestry and capacity building for forestry resources development and management. Details are described in [Annex 2Annex-4](#).

1.5.7 Relationship with forestry conservation and management programmes

The R-PP implementation will add value to ongoing forestry programmes in the following areas: management of forested protected areas, baseline information and inventory, forest restoration, enhancing incomes from forestry resources management and promotion of stakeholders' participation in forestry resources development and management. Details are described ~~in~~ [in 2Annex-4](#).

1.5.8 Relationship between R-PP implementation and Climate Change initiatives and programmes

The R-PP recognizes and seeks to collaborate with a variety of Climate Change initiatives and programmes of government, NGOs, CSOs, Private Sector and general public so as to ensure that appropriate strategies for reducing emissions from deforestation and forest degradation are developed and effectively implemented. The R-PP also seeks to interact with and utilize areas of synergy and complementarities with ongoing and future programmes. Details are described ~~in~~ [in 2Annex-4](#).

1.5.9 Addressing likely environmental and social risks

The R-PP recognizes the need to minimize or eliminate negative impacts or duly compensate negative consequences if these are inevitable, while elaborating on means of creating benefits for people and the environment. The process of identifying negative impacts and suggesting mitigation measures will be addressed under Component 2(d). This will be undertaken alongside designing measures for ensuring compliance to the World Bank Safeguard Policies.

1.6.0 Qualifying Uganda's REDD-Plus Readiness Proposal

According to the general principles of R-PP, the following are the elements that qualify Uganda's R-PP.

- a) Uganda R-PP has been duly approved as a Roadmap for Uganda towards preparing Uganda to be ready for REDD-Plus. It also proposes to build capacity and put in place the necessary policy and institutional systems and procedures for REDD-Plus implementation.
- b) The R-PP provides actions for carrying out a comprehensive national baseline over which to estimate any actions on REDD-Plus (Component 2(a))
- c) The R-PP includes Terms of Reference for developing:
 - i. A robust and transparent national forest monitoring system for the monitoring and reporting of REDD-Plus activities.
 - ii. Reference Scenario for forestry resources in Uganda.
 - iii. A comprehensive Strategic Environment and Social Assessment of likely impacts and benefits of REDD-Plus.
 - iv. Conducting studies such as forestry resources baseline, analyzing domestic leakages, Opportunity costs, etc. (Component 2(b)).

- d) R-PP has been developed through a participatory process involving lead agencies and stakeholders (forest dependent people, community's forestry resource users, special groups³ such as dealers in forest produce as elaborated in (Section 1B) and Appendix 6 (a) and 6(b).
- e) R-PP is based on adequate baseline information including the following:
 - i. Drivers of deforestation and forest degradation and strategies for addressing them proposed (Component 2(a)).
 - ii. Land and Carbon tenure (Component 2(a)).
 - iii. Forest governance (Component 2(a)).
 - iv. Stakeholder mapping (Component 2(a)).
- f) R-PP implementation, coordination and supervision are consistent with national policies and procedures for such undertakings.

³ Special Groups is a Category describing commercial forest resources users (charcoal dealers –producers, transporters, traders; firewood dealers, Poles dealers, Sand and Clay dealers, etc.).

Table 51: Summary of Activity Plans and Schedule for National Readiness Management Arrangements Activities and Budgets (US\$)						
Main Activity	Sub-Activity	Estimated Cost (US\$)				
		Lead	2012	2013	2014	Total
Engage the National Policy Committee on Environment	Convene meetings, prepare meetings, prepare information and briefings	OPM	0	- -	- -	-
National Focal Point – establish and operationalize the National Focal Point	Office costs...office space, personnel, travel, communications, office supplies, capacity strengthening	FSSD	10	11 11	12 12	33
National Focal Point personnel Costs...	Hiring technical personnel and associated costs	FSSD	36	38 38	38 40	114
National Technical Committee Costs...	Formation of the NTC , meeting and operations costs	FSSD	6	6 6	6 6	18
Task Forces Taskforces Costs...	Formation of Task Forces Taskforces, meeting and operations costs	FSSD	8	8 8	8 8	24
R-PP Implementation Coordination and supervisions	REDD Steering Committee..... formation Committee formation of RSC, meeting and operations costs	MoWE	2	- 2 2	2 2	6
Total			US\$62	US\$ 65	US\$68	- US\$ 195
Domestic Government		US\$	US\$	US\$	US\$	US\$
FCPF		US\$	US\$	US\$	US\$	US\$
UN-REDD Programme (if applicable)		US\$	US\$	US\$	US\$	US\$
Other Development Partner 1 (name)		US\$	US\$	US\$	US\$	US\$
Other Development Partner 2 (name)		US\$	US\$	US\$	US\$	US\$
Other Development Partner 3 (name)		US\$	US\$	US\$	US\$	US\$

1 b. Stakeholder Consultation and Participation

Uganda's R-PP formulation process emphasized multi-stakeholder consultation and participation aiming at sensitizing various stakeholders on REDD-Plus and its concepts, soliciting their views and promoting understanding of REDD-Plus, capturing their presumed expectations and anticipated roles and responsibilities in the REDD-Plus process. The process was guided by an Outreach and Participation Plan developed at the onset of the consultations process (Annex 33). Consultations have been extensively carried out at national and regional levels, with special groups and forest dependent people (Section 1.6.1.6). ~~By end of 2010, there are ongoing countrywide consultations targeting stakeholders at community level, forest dependent people and forest resources user groups, among others (Section 1.6 and Annex 5. It is expected that the results of these consultations will be integrated in the R-PP before Uganda makes formal submission in 2nd quarter of 2011.~~

For all consultations workshops and meetings, the approach used included:

- i. Raising awareness about the REDD-Plus and R-PP process before and during consultations through use of promotional materials (brochures, banners, fact sheets) and, radio and TV Programmes.
- ii. Sharing information about Forestry management and its relationship with Climate Change in Uganda and REDD-Plus programmes and R-PP.
- iii. Soliciting for views on drivers of deforestation and forest degradation, effects of deforestation and forest degradation, ongoing actions to address the drivers or effects.
- iv. Developing strategies and actions for tackling deforestation and forest degradation.
- v. Stakeholder (identifying those actively promoting deforestation and forest degradation and affected by deforestation and forest degradation).
- vi. Defining interests, expectations and roles during R-PP process and R-PP implementation.

Additionally, a consultations and outreach plan for guiding continued consultations during R-PP implementation has been proposed (~~Section Section 1.7.11-7~~).

1.6 Stakeholder Consultations and Participation during R-PP formulation (2009-2011)

Uganda's process of formulating the REDD Readiness Preparation Proposal (R-PP) underwent a nationwide multi-stakeholder consultation and participation process. As described in Component 1a, the process was coordinated by the MWE and overseen by REDD-Plus Working Group through a Consultations' Methodology developed by RWG at the onset of R-PP (Annex 33). Stakeholder consultations were facilitated by the R-PP Secretariat as well as volunteer organizations (IUCN and CARE) and Contracted NGOs.

Uganda's stakeholder consultations process was facilitated by funding from FCPF through the World Bank and the Norwegian Government. CARE and IUCN provided in kind support to this process. The results of the Consultations have been utilized to feed into this R-PP.

1.6.1 The R-PP Steering and Coordination during R-PP Formulation

1.6.1.1 REDD-Plus Steering Committee

The Steering Committee that was formed in June 2010 provided policy level support in the following areas.

- i) Strategic direction and policy guidance to the R-PP formulation process.
- ii) Platform for linkages to sectoral ministries and government agencies.
- iii) Endorsed and recommended the R-PP proposal for approval by Government of Uganda.

1.6.1.2 REDD Working Group

The REDD-Plus Working Group that was created in March 2010 served as platform for Stakeholder participation. The RWG functioned through meetings convened by the Chair. The RWG formed four sub-working groups namely; i) Policy, Legal and Institutions; ii) Methodological issues (Tools and Procedures for measuring, reporting and verifying REDD-Plus action iii) Social and Environmental Safeguards; and, IV) Participation and Consultation. The sub-working groups worked with Consultants to provide technical inputs into the assigned tasks.

The RWG functioned through meetings and e-mail interactions to provide guidance in major policy, methodological and technical aspects of the formulation of R-PP. A total 5-7 meeting sessions of RWG and 5 RWG Subgroup meetings were convened to formulate the R-PP. A Tele-conference involving representatives of REDD Working Group and R-PP Secretariat was convened on 10th February 2011 with FCPF to discuss initial response by FCPF on Uganda informal submission. REDD Working Group was convened on 28th February 2011 to consider and endorse revised R-PP incorporating FCPF and TAP Reviews comments (Table 6-2).

Table 6-2: Schedule of RWG meetings and outputs

Date	Level of Participation	Purpose	Key Outputs
REDD Working Group Sessions			
25th – 26th March, 2010	60	<ul style="list-style-type: none"> ➤ Bring relevant stakeholders up to speed ➤ To provide an update about the process in Uganda ➤ Provide background information about the WB FCPF and R-PP requirements ➤ Reach agreement on a process, timeline and budget for the way forward - Including required commitments and contributions of WG 	<ul style="list-style-type: none"> ➤ Times lines and activities were set to kick start preparation of the R-PP
17 th June 2010	10	<ul style="list-style-type: none"> ➤ Second REDD working finalize the Consultations Process ➤ Defining methodologies ➤ Defining Terms of Reference for Studies ➤ Define Compositions ➤ Define working modalities 	<ul style="list-style-type: none"> ➤ Consultations process Guidelines ➤ Working Groups (Consultations, Methodology, MRV)

Uganda Draft R-PP (Revision of 4th March Informal Submission January 10, 2011)

		<ul style="list-style-type: none"> ➤ Setting up Sub-groups Redefining Compositions ➤ Setting R-PP Structures 	
24 th June 2010	15	<ul style="list-style-type: none"> ➤ Resumed session of the REDD – Plus Working Group of the second working group meeting 	<ul style="list-style-type: none"> ➤ R-PP Structure ➤ RWG Compositions ➤ Modalities for engagement
22 nd September 2010	24	<ul style="list-style-type: none"> ➤ REDD-Plus Working Group Meeting ➤ To review and discuss component 2(a), 2 b) and 2(c) ➤ To review and discuss of reference scenario and MVR (component 3 and 4) ➤ To review and discuss SESA report 	<ul style="list-style-type: none"> ➤ Comments about the reports were received and consultants integrated the comments in the final reports
29 th November 2010	46	<ul style="list-style-type: none"> ➤ Reviewing the draft R-PP (<u>content, compliance to R-PP format and institutional arrangements</u>) 	<ul style="list-style-type: none"> ➤ R-PP reviewed by the REDD working
<u>9th February 2011</u>	<u>7</u>	<ul style="list-style-type: none"> ➤ <u>Discuss FCPF Comments on Uganda's Informal Submission</u> 	<ul style="list-style-type: none"> ➤ <u>Clarifications and agreed interpretation of Comments</u>
<u>28th February 2011</u>	<u>46</u>	<ul style="list-style-type: none"> ➤ <u>Consider and endorse revised Uganda R-PP</u> 	<ul style="list-style-type: none"> ➤ <u>Endorsed revisions of the R-PP incorporating comments from TAP and Reviewers.</u>
REDD Sub-RWG Sessions			
15 th April 2010	24	<ul style="list-style-type: none"> ➤ Meeting of the leaders of the REDD working sub groups to forge a way forward for the formulation of the R-PP 	<ul style="list-style-type: none"> ➤ Way forward was forged ➤ The secretariat established to run the R-PP process
1 st July 2010	10	<ul style="list-style-type: none"> ➤ To review the strategies for component 2a,b and c 	<ul style="list-style-type: none"> ➤ Comments about the component were received
13 th July 2010	14	<ul style="list-style-type: none"> ➤ To review component 3 and 4 for developing measuring reporting and verification 	<ul style="list-style-type: none"> ➤ Comments about the component were received
29 th September 2010	7	<ul style="list-style-type: none"> ➤ To review the TORs for Media component of the expanded Consultations 	<ul style="list-style-type: none"> ➤ Final Terms of Reference drafted and issued to the consultant
9 th November 2010	28	<ul style="list-style-type: none"> ➤ Awareness creation and information sharing 	<ul style="list-style-type: none"> ➤ Clear understanding of REDD-Plus ➤ Raising interests of participants on REDD-Plus
R-PP Steering Committee			
9 th December 2010	21	<ul style="list-style-type: none"> ➤ Commissioning of the R-PP Steering committee ➤ Information sharing and generation 	<ul style="list-style-type: none"> ➤ The R-PP Steering Committee was commissioned ➤ Guidance was given on the R-PP formulation
10 th January 2011	12	<ul style="list-style-type: none"> ➤ Reviewing and endorsing the draft R-PP 	<ul style="list-style-type: none"> ➤ Draft R-PP endorsed for "informal" Submission.

National Stakeholders meeting to Validate the R-PP			
17 th December 2010	125	<ul style="list-style-type: none"> ↗ Disseminate draft R-PP and awareness creation and information sharing about the R-PP for Uganda ↗ Validate the draft R-PP 	<ul style="list-style-type: none"> ↗ Understanding of R-PP process and the REDD-Plus ↗ Validated the R-PP

Outputs from the RWG, subgroups and RSC were synthesized and incorporated in the design of R-PP, especially, under component 1(a). Additionally, the RWG and Sub-groups provided inputs into the Studies which form basis for component 2(a), (b), (c), (d) and 3 and 4.

However, the composition of the RWG and its functions faced “organizational” challenges such as its size, incentives to perform among others. On this basis, the structure and function of RWG during the R-PP formulation has been modified into new structures for serving the R-PP implementation. The new structures are the National Technical Committee and Tasks Forces as indicated in Component 1(b).

1.6.1.3 Consultations and Outreach plan during R-PP formulation

The Consultations and Outreach plans mentioned ~~above under Section 1.6~~ and ~~Annex Annex 33~~ (March 2010 Consultations and Participation Plans) and Annex ~~4-5~~ (Expanded Consultations Plan) provided sufficient coverage of issues and stakeholders for purposes of completing the formulation of the R-PP for Uganda. Additionally, the SESA study has provided additional inputs in form of proposals to develop a comprehensive Environment and Social Management Framework (Component 2(d). The Consultation and Outreach Plan during R-PP implementation is described under Section ~~1.7.14-7~~ below.

1.6.1.4 Stakeholder consultations and participation during R-PP formulation

The Stakeholder Consultations and participation during the R-PP formulation were guided by the Outreach Strategy ~~mentioned above under section 1.6.1.3, developed by the REDD-Plus Working Group in March 2010 (Annex 3)~~. Consultations were conducted by the R-PP Secretariat. CARE and IUCN facilitated consultations with the forest dependent people – Batwa and Benet, respectively.

Under the ~~just concluded ongoing~~ Expanded Consultations process ~~conducted by, the R-PP is working with~~ Environmental Alert, IUCN and Trust Media ~~on behalf of R-PP Secretariat, stakeholders identified issues and concerns and recommended action to be included in the R-PP, as elaborated in Annex 5. The outputs of this process shall be incorporated into the R-PP in first quarter of 2011.~~

The following sections provide the details about the Consultations process and information generated:-

a) Extent of Coverage

The Country wide consultations covered the following regions of Uganda (Table ~~73~~).

Table ~~73~~: Coverage of Stakeholder Consultations per region

Region and Area of Focus	Lead
a) National	R-PP
b) Regional (Eastern, Northern, <u>Western</u> , Central)	Secretariat

c) Special Groups (<u>Charcoal, firewood, pole, dealers, etc</u>)	
d) Forest Dependent People (Nakapiripirit, Moroto, Kotido and Abim districts of Kalamoja)	
Forest Dependent People (Batwa/Pygmies), South West and West	CARE
Forest Dependent People (Benet) Mt Elgon area	IUCN
Community level Stakeholders (South-western, Central, Eastern, Northern, North-west,	Environmental Alert ⁴
National (Policy, Development Partners)	IUCN
Media and Publicity	Media Trust

b) Stakeholder Participation

In each region, consultations involved the following categories of stakeholders: farmers, politicians, and technical staff of local governments, NGOs, CBOs, Protected Areas agencies, youth representatives, women representatives, special groups, forest dependent communities, forest resource user groups or associations, private sector, academia. In addition, forest dependent communities of Benet, Batwa or Pygmies were consulted separately. At national level, Consultations involved Central government ministries and agencies, National and International NGOs and Development Agencies, Private Sector, Utility agencies, Academia, Research organizations.

All in all, approximately, 2,500,630 people representing 7 different categories of stakeholders were directly consulted as shown in Table 84. below:

Table 84: Summary of consultations per category of stakeholders

Category	Number of participants*
Policy /Ministries	16
Development Partners	6
NGOs/CSO	66
Private Sector	7
Forest Dependent People/Communities/ <u>Special Groups</u>	<u>525,390</u>
Academia	5
Research Institutions	3

* The figure is average for several consultation meetings and workshops.

c) Outputs from Consultations with Forest Dependent People

⁴ Environmental Alert sub-contracted the following institutions to facilitate Consultations: Care and Water Governance Institute – South-Western Uganda; Eco-Trust – Western Uganda; Tree Talk– Northern Uganda; ACODE – Eastern Uganda; Tobari/IPACC – Karamoja/KADP/ECO; NAPE/REDD-Net/BUCODO – Central Uganda

Consultations by IUCN with the Benet people concluded with the following outputs in relation to Uganda's REDD Strategy and preparedness. Detailed information on this process is presented in Appendix 5a.

- i. Resolve outstanding issues of resettlement of land less Benet occupying Mt Elgon National Park.
- ii. Provide for access and use of Forest resources within Mt Elgon National Park.
- iii. Promote collaboration and harmonious co-existence between Benet and Mt Elgon National Park.
- iv. Design and implement tangible programmes that deliver benefits from REDD-Plus Strategy.
- v. Empower Benet to actively engage in REDD-Plus implementation, including fostering community based structures for mobilizing their actions.
- vi. Promote alternatives that would address the main causes for deforestation, such as establishing own woodlots or adoption of energy saving stoves would be encouraged by each household.

Consultations by CARE with the Batwa people concluded with the following outputs in relation to Uganda's REDD Strategy and preparedness. Detailed information on this process is presented in Appendix 5b.

i. Develop arrangements to channel benefits directly to Batwa

Batwa were aware of a mechanism through which REDD-Plus benefits could be delivered from the national level (reference was made to tourism revenue sharing). However, they proposed a system which would enable REDD-Plus benefits to directly flow to the community level. Batwa think that the benefits from national level had been going through a very bureaucratic process and do not effectively respond to their unique needs. They proposed that setting up a special fund targeted at the Batwa themselves would increase the benefits directly within their communities.

ii. Strengthen Collaborative resource access and Forest management arrangements

The main resource access mechanism is collaborative arrangements either under CFM or co-management with NFA and UWA respectively. They proposed that REDD-Plus revenues be invested in strengthening CFM user groups through skills development for production of high quality craft products, bee keeping, and confidence building initiatives for the adult Batwa so as to benefit more from REDD-Plus.

iii. Design REDD-Plus scheme to strengthen governance

Batwa suggested the need to support reforms in the governance sector to create an enabling institutional framework to protect their rights, secure land tenure and land rights. Since CFM was identified as one of the best entry points to REDD-Plus; Batwa proposed that there was a need for them to become directly represented on CFM user groups' governance structures and other community leadership structures.

iv. Promote synergies between different government departments

Batwa were of the view that REDD-Plus through NFA would engage with the other sectors of service delivery to promote synergy between different government departments and ensure they too have

improved access to service delivery (lack of medical care, agricultural advisory services and education).

v. Ensure that Batwa’s carbon rights are established in national and local Governments’ regulations

Batwa expressed concern over clarity on rights over the proceeds from the carbon credits taking into account their status as indigenous forest dwellers. They argued government to clearly define rights issues surrounding the carbon credits and to sensitize stakeholders about this issue.

Issues and recommendations from these consultations have been incorporated in Component 2a Access and tenure to land and forest resources, Equitable benefit sharing) and, Section 1.7.4 (Conflict resolution/management).

d) Consultations with Policy level actors and Development Partners

Consultations involving Sectoral ministries and Lead agencies of Government and representative of development partners (donors) identified the following issues of concern: i) REDD-Plus should focus on forests outside gazetted areas; ii) there is need to address effects of human settlement and urbanization; iii) strengthening conservation and management tools and systems; iv) ensuring sustainable forest management and; v) ensuring equity in cost and benefit sharing (Appendix 5c).

Consultations recommended that R-PP implementation should continue to raise awareness and sensitize people about REDD-Plus, build capacity to implement REDD –Plus and drive REDD process in Uganda and, ensure multi-sectoral approaches and partnerships.

Recommendations from these consultations have been incorporated in Section 1.7.2 (Awareness and sensitization), Section 1.7 (multi-sectoral approach and partnerships) and Component 2a (Equitable benefit sharing).

e) Outputs from the Consultations with Other Stakeholders on drivers of Deforestation and Forest degradation.

~~e)~~

The following section presents a synthesis of responses from stakeholder’s consultations to date (Table ~~95~~). Detailed reports on Consultations are presented as Appendix ~~56~~ (a) – ~~56~~(d).

Table ~~95~~: Outcomes of Stakeholder Consultations

Driver	Underlying Causes	Impact	Response/Strategies to address these
Political Interference	<ul style="list-style-type: none"> ↗ Power greed cheap popularity 	<ul style="list-style-type: none"> ↗ People settling on forest reserves ↗ Wetlands encroachment 	<ul style="list-style-type: none"> ↗ Law enforcement by responsible authorities ↗ Sensitization
Poverty	<ul style="list-style-type: none"> ↗ Limited sources of income ↗ In adequate employment opportunities ↗ High population densities 	<ul style="list-style-type: none"> ↗ Un sustainable use of resources 	<ul style="list-style-type: none"> ↗ Community Forest Management ↗ Forests based enterprises

Immigration Laws	<ul style="list-style-type: none"> ↗ Insufficient laws ↗ Political instability 	<ul style="list-style-type: none"> ↗ Encroachment of agriculture ↗ Settlement conflicts ↗ Overgrazing soil erosion 	<ul style="list-style-type: none"> ↗ Reported to higher authority ↗ eviction
High population growth rate	<ul style="list-style-type: none"> ↗ High fertility rate ↗ Low education ↗ Minimal intervention by government ↗ Reproductive health and environment factors 	<ul style="list-style-type: none"> ↗ High demand for agricultural products and land for settlement ↗ High demand for forests resource 	<ul style="list-style-type: none"> ↗ Some reproductive health services in place
Land tenure/Tree tenure	<ul style="list-style-type: none"> ↗ Change of land use ↗ Poor Land use policy 	<ul style="list-style-type: none"> ↗ Forest cover destruction ↗ Resistance land policy/Law 	<ul style="list-style-type: none"> ↗ National Land policy in formulation ↗ Amendment of Land Act

The information generated from stakeholder’s consultations was incorporated in the studies under (Component 2(a), 2(b) and 2(d)) and in Component 3 of the R-PP. This information also informed the development of strategy options presented in Component 2B. However, as indicated above, there is an ongoing consultations process that will provide additional input into the analysis above.

The experiences and outputs of the consultations reveal that the public as whole is eager about REDD-Plus. However, there is little understanding of the REDD-Plus principles, standards, requirements and benefits. This gap is inevitable considering that REDD-Plus is new and that the Strategies and actions are not yet developed and publicized. There is also concern that public consultations at this stage may not have generated sufficient information to inform the REDD-Plus Strategies.

The consultations and participation process revealed that the diversity of interest countrywide necessitated adequate financial and time resources. It further revealed that the R-PP formulation required a process – oriented approach characterized of learning and reflecting. This approach enabled improvements in understanding of the REDD-Plus process. It also enabled modulation of expectation of REDD-Plus.

However, REDD-Plus and other initiatives for tackling Climate change continue to evolve both at international and national levels. This necessitates continued communication and sensitization about the REDD-Plus and its “niche” within the over-all Climate Change debates and actions. Therefore, the REDD -Plus Readiness for Uganda should envisage strategies for continued Stakeholder engagement in order to address emerging issues and trends. Structures or processes that bring stakeholders together are envisaged in future.

It is against this background that an intention to develop Consultations and Outreach plan is recommended (Section [1.7.11-7](#)) to guide further consultation during R-PP implementation.

1.6.2 Awareness and Communications Strategy applied during R-PP formulation (2009-2011)

Consultations with stakeholders were facilitated by an awareness strategy (Appendix [6-7](#)). A series of awareness and outreach actions spearheaded by the National Focal Point and the R-PP Secretariat

using variety of tools and approaches including REDD-Plus Brochure (Appendix 78), REDD -Plus Banner (Appendix 89), participation in policy meetings and related workshops and events within and outside Uganda, sensitization during Stakeholder Consultations, documentary on REDD-Plus and R-PP in Uganda and, electronic communication -Using E-mail address.

An Awareness Strategy for implementation during R-PP implementation is proposed to be developed under section 1.7.24-7) below.

1.7 Stakeholder Consultation and Participation during R-PP Implementation (2012-2104)

Uganda's process of implementing the REDD Readiness Preparation Proposal (R-PP) will undergo a nationwide multi-stakeholder consultation and participation process. The process will be coordinate bycoordinated by the MWE and overseen by REDD-Plus Steering Committee.

Uganda did not exhaust discussion on the Consultations and Participation process during the preparation of the R-PP. It is envisaged that the process will be facilitated by R-PP National Focal Point/Secretariat and NGOs targeting all stakeholders countrywide using various approaches including meetings, workshops, dissemination of awareness and publicity messages and direct interviews. To facilitate this process, R-PP Implementation Consultation and Outreach Strategy and R-PP Implementation Awareness and Communications Strategy will be developed at the onset of R-PP implementation and applied thereafter. The procedure for preparing the Consultation and Outreach Strategy and R-PP Implementation Awareness and Communications Strategy is as elaborated in following sections.

1.7.1 Development of Consultations and Outreach Plan (REDD-C&P).

Uganda R-PP implementation provides for further consultations and outreach with stakeholder's. The outcome of this undertaking is the ownership of the R-PP, increased understanding of REDD-Plus and the commitment to participate in the implementation of R-PP. In addition, there is provision for consultations under components 2 (d), 3 and 4.

The Consultations and Outreach Plan will aim at contributing towards achieving the following objectives.

- a) **Objective#1: REDD –Plus Strategies and implementation framework informed by stakeholder's views and contributions.** *This objective shall seek to collect and analyse information and views from Stakeholders at different stages of R-PP implementation and use the information to input into the Strategy development. Various tools for conducting consultations and outreach shall be developed and utilized. The Awareness and Communication Strategy (section 1.7.2-1.7.2) will form integral components of the tools to be used.*
- b) **Objective #2: REDD – Plus implementation progress known and monitored by stakeholders.** *This objective seeks to ensure that stakeholders are regularly informed of the R-PP implementation progress. It also seeks to engage Stakeholders in monitoring the implementation progress and in development of REDD-Plus MRV and other tools.*
- c) **Objective #3: REDD – Plus benefits accessible by stakeholders across sectors and at all levels.** *This objectives seeks to publicise opportunities for stakeholder benefits from REDD-Plus e.g.,*

dissemination of Carbon market information and processes. The objective also aims at identifying constraints and challenges for stakeholder participation and advocate for their redress.

- d) **Objective#4: REDD-Plus Strategy contributes towards national development priorities and the MDGs.** This ~~objectives~~ *objective* seeks to engage policy makers with the view to integrate applicable national development priorities and Uganda's targets for the MDGs into the REDD-Plus Strategy.

Uganda REDD-C&P is expected to generate the following benefits/outputs.

- a) Objective #1: REDD-Plus Strategies and implementation framework informed by stakeholder's views and contributions.

Outputs:

- i. Enhanced understanding of REDD-Plus and stakeholder benefits, roles and responsibilities.
- ii. Enhanced undertaking of REDD-Plus Strategy Options, risks and challenges that may arise from the implementation of a REDD-Plus Strategy.
- iii. A final REDD-Plus Strategy based on broad consultation with stakeholders.

- b) Objective#2: REDD-Plus implementation progress known and monitored by stakeholders.

Outputs:

- i. Involvement of stakeholders in development of REDD-Plus implementation tools and methodologies e.g., MVR.

- c) Objective#3: REDD-Plus benefits accessible by stakeholders across sectors and at all levels

Outputs:

- i) Development of an appropriate Communications Strategy and Communication tools.

- d) Objective #4: REDD-Plus Strategy contributes towards national development priorities and the MDGs.

Outputs:

- i. Interventions for integrating national development priorities and Uganda's targets for the MDGs into the REDD-Plus Strategy.
- ii. Policy level buy – in into the REDD-Plus Strategy.

Uganda shall seek to engage services of experts in Communications and Public engagement to design suitable REDD-Plus Consultations and Outreach Plan (REDD-C&P) (Table 106). The REDD-C&P shall be reviewed and validated by stakeholders at national level before it is applied. Uganda's REDD - C&P will seek to address the diversity of stakeholders and their uniqueness in terms of relevant REDD - Plus issues and languages.

Table 106: Activity Plan and schedule for developing REDD-C&P

Table 106: Summary of Activity Plan and Schedule for Developing REDD-plus Consultation and Out-reach Plan and Budget							
Main Activity	Sub-Activity	Lead	Estimated Cost (US\$)			Total	
			2012	2013	2014		
Identify and recruit Experts	Develop Terms of Reference	REDD Focal Point	1	-	-	1	
	Recruit Consultant/experts	REDD Focal Point	-	-	-	-	
Prepare REDD-COP	Commission Consultants	REDD Focal Point	8	-	-	8	
	Supervise Consultants	REDD Focal Point	-	-	-	-	
Validate REDD-COP	Convene Stakeholders platform/workshop to review and provide input into the draft REDD-COP and communications tools	REDD Focal Point	12	-	-	12	
Disseminate the REDD-COP	Publish and disseminate REDD-COP	REDD Focal Point	2	<u>3</u> 3	-	5	
Integrate REDD-COP into R-PP	Revise the R-PP document	REDD Focal Point	-	-	-	-	
Stakeholder engagement in R-PP Finalization	Conduct Stakeholder consultations /facilitate Stakeholder participation in various aspects of R-PP	REDD Focal Point	80	<u>120</u> 120	<u>100</u> 100	300	
Monitoring effectiveness of Stakeholder engagement	Develop and apply M&E tools	REDD Focal Point	2	<u>4</u> 4	<u>6</u> 6	12	
Total				US\$105	US127	US\$106	338
Domestic Government		US\$	US\$40	US\$-	US\$-	US\$-	
FCPF		US\$	US\$70	US\$-	US\$-	US\$-	
UN-REDD Programme (if applicable)		US\$	US\$-	US\$-	US\$-	US\$-	
Other Development Partner 1 (name)		US\$	US\$-	US\$-	US\$-	US\$-	
Other Development Partner 2 (name)		US\$	US\$-	US\$-	US\$-	US\$-	
Other Development Partner 3 (name)		US\$	US\$-	US\$-	US\$-	US\$-	

1.7.2 Develop R-PP implementation Awareness and Communication Strategy (RACS)

Building on the Awareness and Communications Strategy developed during R-PP formulation (Appendix 67) and the REDD Consultations and Outreach Plan (Section 1.7.11-7.1); this undertaking will develop a comprehensive R-PP implementation Awareness and Communications Strategy (RACS). The R-PP process emphasises country ownership through active involvement of all stakeholders. This involvement would be realized when the public/stakeholders are informed of the

REDD-Plus, the R-PP process and when they are mobilized to support the process. Being a Government led process, it is essential that Political and Executive leadership is informed of the requirements and process for preparing Uganda's Readiness and is regularly updated on the progress. Equally important is the fact that Uganda needs to effectively communicate to stakeholders within and outside the Country on the progress towards readiness for REDD-Plus. Hence, RACS that will facilitate communication and awareness rising about REDD-Plus and R-PP process within and outside the country and, will be developed and used as a tool to mobilize stakeholder's participation in the REDD-Plus processes and undertakings.

The overall Goal of the RACS is to mobilize Political, Executive⁵ and Stakeholders support and participation in the REDD-Plus Strategy and implementation. It is recognized that this goal requires multiple actions to be realized, and the Strategy will therefore be expected to contribute towards realizing this Goal. The following objectives will enable Uganda move towards realizing this Goal.

- a) Objective #1: To raise public and stakeholder awareness of REDD-Plus and R - PP Process.
- b) Objective #2: To mobilize stakeholder's involvement in the REDD-Plus Strategy development and Implementation.
- c) Objective #3: To communicate to the Stakeholders on Uganda's preparations for "becoming" Ready for REDD-Plus.

The following Outputs will be realized under each objective.

Objective #1: To raise public awareness of REDD-Plus and R-PP Process

Outputs:

- REDD-Plus and R-PP awareness messages and tools for disseminating messages.
- REDD-Plus and R-PP awareness messages disseminated.

Objective #2: To mobilize stakeholder's involvement in the R-PP Process

Outputs:

- Stakeholder's briefings and information about REDD-Plus and R-PP Process developed and disseminated.
- Stakeholders equipped with information about REDD-Plus and R-PP process.

Objective #3: To communicate to the FCPF and Stakeholders on Uganda's preparations for becoming ready for REDD-Plus.

Outputs:

- FCPF and Global partners informed of Uganda's process and progress on REDD-Plus.
- Stakeholders informed of Uganda's process and progress on REDD-Plus and R-PP.
- Information on Uganda's REDD-Plus Strategies and actions disseminated widely.

Successful implementation of the RACS will result into:

- a) Public and stakeholders aware of the Uganda REDD-Plus and R-PP process and progress.
- b) Stakeholders well informed of Uganda's REDD-Plus Strategies and actions.
- c) Stakeholders actively supporting Uganda's REDD-Plus Readiness Strategy and actions.

⁵ Political and Executive leadership will be engaged through appropriate means that will be defined in the Consultations and Participation Strategy as well as the Awareness and Communications Strategy.

The development of the RACS activities will be based on the Consultations and Outreach Plan to be developed under ~~Section~~ **Section 1.7.11.7.1**. Uganda shall seek engage services of experts in Communications to design RACS (Table **117**). The RACS shall be reviewed and validated by national level Stakeholders before its approval and application. Uganda's RACS will seek to address the diversity of Stakeholders and their uniqueness in terms of relevant REDD-Plus issues and languages.

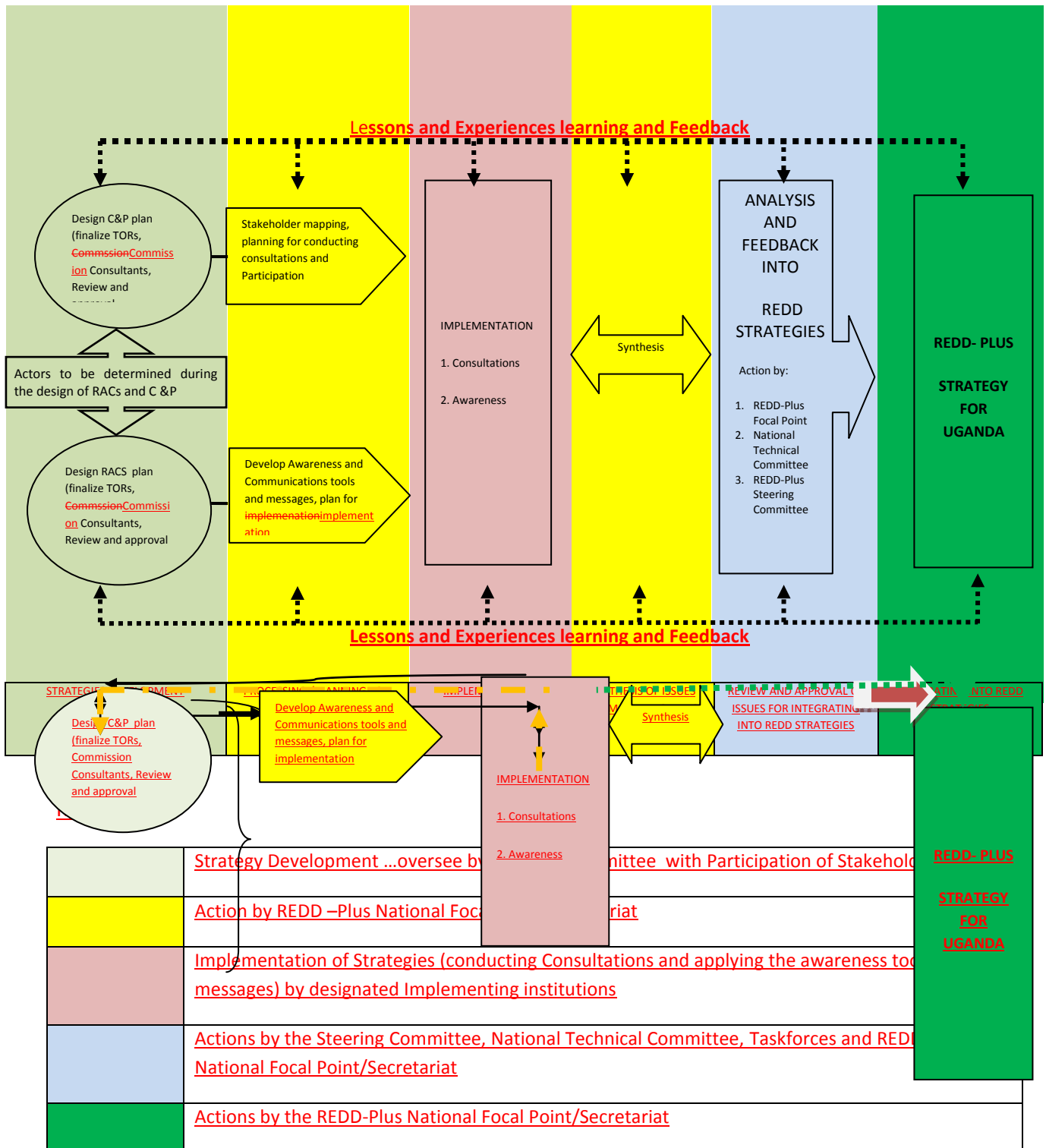
Table **11-7**: Activity Plan and budget for developing RACS

Table 11-7: Activity Plan and Schedule for Developing REDD-plus Awareness and Communication Strategy (RACS) and Budget						
Main Activity	Sub-Activity	Estimated Cost (US\$)				
		Lead	2012	2013	2014	Total
Identify and recruit Experts	Develop Terms of Reference	REDD Focal Point	2	-	-	2
	Recruit Consultant/experts	REDD Focal Point		--	--	-
Prepare RACS	Commission Consultants	REDD Focal Point	8	--	--	8
	Supervise Consultants	REDD Focal Point		--	--	-
Validate RACS	Convene Stakeholders platform/workshop to review and provide input into the draft REDD-RACS and communications tools	REDD Focal Point	12	--	--	12
Disseminate the RACS	Publish and disseminate RACS	REDD Focal Point	5	--	--	5
Integrate RACS into R-PP	Revise the R-PP document	REDD Focal Point	NIL	--	--	-
Stakeholder informed of REDD-Plus and R-PP	Implement RACS	Lead Institution	100	--	--	100
Monitoring effectiveness of Stakeholder engagement	Develop and apply M&E for RACS	REDD Steering	12	--	--	12
Total			US\$139	-	-	139
Domestic Government			US\$-	US\$-	US\$-	US\$-
FCPF			US\$-	US\$-	US\$-	US\$-
UN-REDD Programme (if applicable)			US\$-	US\$-	US\$-	US\$-
Other Development Partner 1 (name)			US\$-	US\$-	US\$-	US\$-
Other Development Partner 2 (name)			US\$-	US\$-	US\$-	US\$-
Other Development Partner 3 (name)			US\$-	US\$-	US\$-	US\$-

1.7.3 The Consultations and Feedback into REDD-Plus Strategies

Using the Monitoring and Evaluation procedure (Component 5), responses and views generated from consultations shall be analyzed by the REDD-Plus National Focal Point and presented to the National Technical Committee and REDD- Plus Steering Committee for consideration before incorporating them into the REDD-Plus Strategies. More so, experiences and lesson generated from the Consultations processes will be regularly synthesised and applied to inform the subsequent consultations process.

Figure 3 below presents the Consultations and feedback loop.



The above feedback process and Loop will be refined during the preparation of the REDD-Plus C&P and RACS.

1.7.4 Conflict resolution and grievances management system during R-PP implementation

There are existing grievances in natural resources management in Uganda at different levels that have implications for R-PP implementation and REDD-Plus in general. In addition Uganda's REDD-Plus process anticipates conflicts or grievances at different level and scales as follows:

- a) **Field level:** in addition to existing conflicts and grievances relating to control, use and access to forest resources within protected areas, it is probable that conflicts or grievances relating to ownership of carbon credits, tenure of trees, benefit sharing and participation in REDD-Plus activities may arise.
- b) **Institutional level:** conflicts or grievances relating to participation and sharing of roles and tasks in R-PP implementation among government Agencies and between government agencies and Civil Society organizations and Private Sector may arise. Institutional level conflicts may also arise due to need to control or acknowledge access, use and interpretation of data and information held by various institutions or whose interpretation may infringe on the credibility of some institutions.
- c) **Policy level:** policy and legal related conflicts may arise until the policy/legal gaps for addressing key REDD-Plus issues (such as tenure and ownership of Carbon in Protected Areas, licensing Carbon Trade, Funds channelling, among others) have been addressed.

To date, there are several natural resources management based conflicts resolution and grievance management systems in practice in Uganda. They include the following among others:

- a) Legal and Policy provisions for environment management, forestry, wildlife and wetlands that provide to stakeholder participation in planning and management of these resources; e.g., Collaborative Resources management (under UWA and NFA) or Community-Protected Areas Institutions (under UWA), Guidelines for management planning for Central Forest Reserves (under NFA), among others.
- b) Policy and legal provisions for regulating access and use of resources from protected areas e.g., Guidelines for Concessions in Wildlife Protected Areas, and Permit systems under NFA.
- c) Policy and legal provisions for benefits sharing between protected areas agencies and stakeholders/communities e.g., the 20% benefit sharing under Uganda Wildlife Authority.
- d) Land Tribunals established under the Land Act to arbitrate land disputes and conflicts.
- e) Judicial system that provides for individuals or communities/stakeholders to seek legal redress where their rights and entitlements to environmental quality, goods and services are affected.

In addition to the above, the R-PP provides the following avenues for resolving some of the likely conflicts or managing likely grievances.

- a) Policy harmonization and coordination by the National Policy Committee on Environment that will address sectoral concerns.
- b) REDD-Plus Steering Committee that provides the platform and mechanism for addressing institutional concerns with regards to information, implementation roles and tasks to be assigned, among others.

- c) National Technical Committee that will address data/information access and analysis /interpretation.
- d) Policy analysis and interpretation with regards to tenure, access and ownership of Carbon.
- e) Participation on Non-government agencies in implementing demonstration projects, facilitating stakeholder participation and information dissemination and awareness rising.

Collectively, these measures are deemed inadequate and therefore, it is proposed to develop a comprehensive Conflicts and Grievances Management Strategy for Uganda specifically to address the following issue of concern:

- a. Ensuring that all factors that may hinder successful implementation of REDD-Plus in Uganda are pointed out and remedies identified.
- b. Measures for detecting and predicting, preventing emergence or minimizing escalation of conflicts and grievances.
- c. Capacity and systems for conflicts resolution and grievances management, including strengthening the application of existing conflict resolutions and grievances management systems.
- d. Safeguarding REDD-Plus investments.
- e. Establishing a multi-stakeholder neutral or independent conflict resolution mechanism.

The development of Uganda’s REDD-Plus related Conflicts and Grievances Management Strategy for Uganda shall be developed prior to or at the onset of the R-PP implementation. The Conflicts and Grievances Management Strategy will be linked to the SESA (Component 2d). Under the Over-all guidance and coordination by the REDD Steering Committee, Uganda’s Conflicts and Grievances Management Strategy will be developed and implemented.

Table 12. Activity Plan and budget for developing CGMS

Table 12: Summary Activity Plan and Schedule for Developing Conflicts and Grievances Management Strategy and Budget						
Main Activity	Sub-Activity	Lead	Estimated Cost (US\$)			
			2012	2013	2014	Total
<u>Identify and recruit Experts</u>	<u>Develop Terms of Reference</u>	<u>REDD Focal Point</u>	<u>2</u>	<u>-</u>	<u>-</u>	<u>2</u>
	<u>Recruit Consultant/Experts</u>	<u>REDD Focal Point</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>Prepare CGMS</u>	<u>Commission Consultants</u>	<u>REDD Steering Committee</u>	<u>8</u>	<u>-</u>	<u>-</u>	<u>8</u>
	<u>Supervise Consultants</u>	<u>REDD Steering Committee</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>Validate CGMS</u>	<u>Convene Stakeholders platform/workshop to review and provide input into the draft REDD-CGMS</u>	<u>REDD Focal Point</u>	<u>12</u>	<u>-</u>	<u>-</u>	<u>12</u>
<u>Disseminate the CGMS</u>	<u>Publish and disseminate CGMS</u>	<u>REDD Focal Point</u>	<u>5</u>	<u>-</u>	<u>-</u>	<u>5</u>
<u>Establish multi-stakeholder CGM</u>	<u>Commission and facilitate work of the Multi-stakeholder Conflict</u>	<u>REDD Steering Committee</u>	<u>3</u>	<u>5</u>	<u>5</u>	<u>13</u>

Uganda Draft R-PP (Revision of 4th March Informal Submission January 10, 2011)

<u>mechanism</u>	<u>Resolution/Grievances management mechanism</u>					
<u>Monitoring effectiveness of CGMS</u>	<u>Develop and apply M&E for CGMS</u>	<u>REDD Steering Committee</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>6</u>
<u>Total</u>			<u>US\$ 30</u>	<u>US\$ 7-</u>	<u>US\$ 7</u>	<u>US\$ 44</u>
<u>Domestic Government</u>		<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>
<u>FCPE</u>		<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>
<u>UN-REDD Programme (if applicable)</u>		<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>
<u>Other Development Partner 1 (name)</u>		<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>
<u>Other Development Partner 2 (name)</u>		<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>
<u>Other Development Partner 3 (name)</u>		<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>

COMPONENT 2: PREPARE THE REDD STRATEGY

2A. ASSESSMENT OF LAND USE, FOREST POLICY AND GOVERNANCE

2.1 Major historical land use trends in Uganda

The land cover types and changes in land cover from 1990 to 2005 are shown in Table 8. Table 8 Land Cover change in Uganda 1990 and 2005

No.	Land cover type	Area 1990 (ha)	Area 2005 (ha)	Change over the period (ha)	% annual change	% change over the period
1	Broad leaved	18,682	14,786	-3,896	-1.39	-21
2	Conifer	16,384	18,741	2,357	0.96	-14
3	Tropical High Forest (well stocked)	651,110	600,957	-50,153	-0.51	-8
4	Tropical High Forest (low stocked)	273,062	191,694	-81,368	-1.99	-30
5	Woodland	3,974,508	2,777,998	1,196,510	-2.01	-30
6	Bush	1,422,193	2,968,675	1,546,482	7.25	109
7	Grassland	5,115,426	4,063,582	1,051,844	-1.37	-21
8	Wetland	484,030	753,041	269,011	3.71	56*
9	Small-scale farmland	8,400,789	8,847,592	446,803	0.35	5
10	Large-scale farmland	68,447	106,630	38,183	3.72	56
11	Built up area	36,572	97,270	60,698	11.06	166
12	Impediments	3741	7,804	4,063	7.24	109
-	Open Water	3,689,603	3,706,489	16,886	0.03	0
-	Total	24,155,246	24,155,347	-	-	-

Source: NFA 2009

According to National Biomass Study (2005), Uganda's natural forest vegetation is categorized into three broad types namely Tropical High Forest (THF) well stocked, Tropical High Forest low stocked, and Woodland, covering 3,570,643ha and occupying approximately 15% of Uganda land surface as of 2005. Of these, approximately 15,500ha were of soft wood plantations. There is no reliable information since 2005.

In 1890, forest cover in Uganda was estimated to be 10,800,000 ha. By 1990 this area had reduced to 4,900,000 ha. The national forest cover declined from 24% of the land area in 1990 to 18% in 2005. The decline is estimated at 1.8 per cent per annum and is attributed mainly to increasing demand for agricultural land and fuel wood by the rapidly growing population. Between 1990 and 2005, a total of 1,329,570 hectares was lost. Bush lands, grasslands and wetlands, are not considered to be part of the forest cover, although they contain different forms of trees and shrubs. The area of bush land increased over the period 1990 to 2005 due to degradation of forest and woodland to bush land.

~~There is no updated data of forest degradation and destruction since 2005 but there is concern that forest loss is continuing unabated.~~

2.2 — Management of forests in Uganda

~~Over 1,900,000 ha of the forest area is located in gazetted forest reserves managed by the National Forestry Authority (1,270,797 ha) or in National Parks managed by the Uganda Wildlife Authority (731,000 ha), and Local Forest Reserves managed by Local Governments (4,997 ha). A significant portion of these reserves were degraded especially those under Local Government management.~~

2.3 — Sustainable forest management

2.3.1 — Biodiversity in Uganda forests

~~Uganda ranks second in Africa for its mammalian diversity, has more than half of the birds and a third of the butterflies listed for the continent (Howard, 1991; Pomeroy, 1993; Davenport and Matthews, 1995), and a higher proportion of Africa's plant 'kingdoms' than any other country in the continent (White, 1983). Much of this biodiversity is concentrated in the nation's forests.~~

~~Forests of the Albertine Rift especially represent an area of great importance for conservation of biodiversity. The Albertine Rift has been identified by Birdlife International as an Endemic Bird Area, by World Wildlife Fund as an Ecoregion and by Conservation International as a biodiversity hotspot (Eastern Afromontane habitat in Africa).~~

~~Most of the forest loss in Uganda in recent decades occurred outside protected areas. While only 15% of forest reserve is degraded, 50% of all the tropical forest on private land is degraded (NEMA, 2008). For example, a total of 84 centrally managed forests occur in the Albertine Rift in Uganda⁶. However, many of the forest reserves are small in size with only nine of them exceed 50 sq km in size. Hence, the issue of forest corridor conservation/restoration is critical for biodiversity conservation in Uganda.~~

~~Other parts of the country also have forest resources which contain habitats of prime biodiversity importance. For example, the protected areas in northern Uganda have both a national and global importance for biodiversity conservation with many of the parks and reserves conserve species that are not found elsewhere in Uganda. Many reserves are on mountaintops and conserve species.~~

~~Several of these areas are connected and form larger landscapes highlighting again the need to preserve landscape connectivity (Kidepo-Agoro-Agu Landscape, Murchison-E.Madi-Nimule landscape). These landscapes could be connected again to conserve the old corridor that allowed elephants to migrate between Murchison Falls and East Madi.~~

~~It is also important to design REDD-Plus strategies which would conserve (and restore) these prime conservation forests through better management interventions such as law enforcement, zoning and land use planning to assure landscape connectivity, new management approaches (e.g.~~

⁶ Five of these are national parks and 79 are central forest reserves. In addition there are 21 local forest reserves managed by the districts.

community involvement, public-private partnerships through concessions), enrichment planting, removal of invasive species and others.

The biodiversity aspect has long been recognized by several carbon standards, most notably through the Climate, Community and Biodiversity Alliance (CCBA) standard. It is possible that wildlife-rich habitats can command a premium under REDD-Plus or voluntary carbon market and currently there are efforts to formalize this “wildlife premium” framework into REDD-Plus design as recently announced by the World Bank.

2.3.2—Land Tenure

Land tenure in Uganda is regulated under the Constitution of Uganda 1995 (amended 2005), the 1998 Land Act, the Registration of Titles Act and the Customary Land law. There are four forms of land tenure: a) Customary; (b) Freehold; (c) Leasehold and (d) *Mailo*; (differs from freehold in that it permits the separation of ownership of land from the ownership of developments on land made by a lawful or *bona fide* occupant). The Land Act empowers people to use the land they own but in accordance with other existing laws. This implies that land use ought to recognize the forest policy, Forest Act and Other environmental laws that seek to promote good environmental management.

The various categories of land tenure have the following implications to deforestation and forest degradation (Table 9)

Table 9: Assessment of Land tenure in relation to Deforestation and forest degradation

Category	Implications for Deforestation and Forest degradation
Freehold	Has a significant role in deforestation and forest degradation trends since most privately owned forests and agricultural activities and other developments fall on freehold lands. Enforcement of environmental policies and laws to regulate use of these lands is cumbersome and ineffective in most cases.
Mailo	Has a significant role in deforestation and forest degradation trends especially in the Central region/Lake Victoria and western region where this form of land tenure is dominant. Enforcement of environmental policies and laws to regulate use of these lands is cumbersome and ineffective in most cases. Incentives for forestry resources development and management are weak poor due relationships between Land owners and tenants in as far as security of tenure is concerned.
Leasehold	This category of land tenure ownership in Uganda accounts for a very insignificant proportion of land outside urban areas. Little incentive for leaseholders to invest in forest conservation.
Customary	This is major form of land tenure ownership in Uganda. Most agricultural activities take place on this land. Use of forests and woodlands is virtually open access, and there is no incentive for an individual's to invest in sustainable practices. Profits from woodlands are low and there are strong benefits from conversion to private tenure and agriculture. It stands as most influential form of land use in terms of deforestation and forest degradation.

2.3.3—Forest resource rights and implications for REDD-Plus

According 1998 Land Act, a landowner owns the trees on the land. The landowner can enter agreements such as leases, concessions or licenses that confer rights to others. For example, collaborative management arrangements between local communities and forest authorities (NFA, LGs or UWA) provide access and user rights in forest reserves and protected areas. Forestry companies and individual investors that lease land for tree planting in forest reserves have

ownership of the trees under the terms of the lease. Ownership of carbon in such situations is not clear at present as it is not generally covered in the lease agreements and is not mentioned in the 2004 Forests and Tree Planting Act.

Communal forests are a type of private forests existing on land under customary tenure that is not claimed by an individual, commonly on formerly public land that existed by law before the 1995 Constitution (amended 2005). Forests on these 'unclaimed lands' can be owned by Communal Land Associations (CLAs), constituting local community members that have registered a claim to the land and to manage it as "common property". Under this category of ownership, registered community groups can legally claim all land, tree and carbon tenure rights. However, although community groups such as Ongo and Alimugonza have completed the process of CLA application, none been endorsed by the Minister. Until Private Forests and Community Forests are formalised, clear ownership of rights over trees and carbon is not legally defensible.

Local communities can designate a forest area as a Community Wildlife Area (CWA) under local governments. Land and tree tenure under CWAs belongs to the members of the community group.

2.3.4—Implications of deforestation and forest degradation on forest dependent people

The major groupings of forest dependent people in Uganda are the Batwa/Pygmies in the Kabale, Kisoro and Kanungu districts and Benet in the Mt Elgon area in the east. Their major concerns relating to REDD Plus expressed during consultations were:

- a) Declining forest resources (quantity and diversity)
- b) Access and use of forest resources.
- c) Ownership of Carbon Stocks and participation in Carbon Trade.
- d) Land tenure requirements for participation in Tree planting.
- e) REDD Plus implementation arrangements that deliver benefits directly to the forest dependent people.

Measures for safeguarding the livelihoods of these people are briefly introduced under section 2D. This R-PP does not exhaust the identification of the likely impacts, neither does it prescribe in detail, the measures envisaged under this section. Instead, the Environmental and Social Management Framework will be used as a tool to investigate such issues and describe measures for addressing them. The ESMF shall also address the World Bank Safeguards. The above notwithstanding, it is highly probable the measures to be developed under the ESMF will include the following:

- a) Legal provisions in the Constitution, Land Act, Local Government Acts, etc.
- b) Conservation/Protected Areas policies and laws that recognize existence of Forest dependent people within protected areas.
- c) Conservation measures and approaches such as CFM, CRM, which permit regulated access and use of forest resources within protected areas.

Forest dependent people are positively responding to new ways of life including engaging in income generating activities and sedentary life. These success stories offer the opportunity to continue to facilitate "willing" forest dependent people in such activities that ultimately uplift the quality of their livelihood. It is expected that ESMF will include such intentions.

2.4 — Forest policy and legal framework

The Government of Uganda carried out a comprehensive reform of the forest sector between 1998 and 2004. The reforms resulted in a new framework for development of the sector consisting of a new Forestry Policy (2001), a new law “The National Forestry and Tree Planting Act (2003)”, a comprehensive National Forest Plan (2002) and a new institutional framework for development of the sector.

A recent review of the new policy and Act carried out in 2010 found that the Policy and Act are comprehensive and relevant and provide the basis for future development of the forestry sector. The review however noted that many provisions in the Act have not been utilized and attributed this to slow progress in developing the regulations and guidelines required to operationalise the Act. The review recommended that development of these regulations and guidelines is an urgent priority and is necessary to effectively implement and operationalise the Act (LTS, 2010).

A number of related laws and policies are relevant to REDD-Plus and are listed in Table 10 below.

Table 10: Key policies and laws relevant to REDD — Plus

Framework	Provisions Relevance to R-PP
Legal frameworks	
The Constitution of Republic of Uganda	Protection of Uganda’s natural resources including Forests Ownership of natural resources by Ugandans and creation of trusteeship arrangements
Forestry and Tree Planting Act 2003	Legal framework for management of forest resources in Forest Reserves Stakeholder participation Sustainable forest management Promotion of farm forestry Establishes Joint management arrangements
Wildlife Act	Legal framework for management of forest resources in wildlife conservation areas Incentives including sharing of benefits from conservation of forests Stakeholder participation
Local Government Act	Stakeholder participation Decentralised (devolved) management of Local forest reserves Carrying out Forestry Extension services Regulating Private Forests and Community Forests
National Environment Act	Environmental standards Incentives including sharing of benefits from conservation Stakeholder participation
Land Act	Stakeholder participation Tenure of trees and Forests
Policy frameworks	
Forest Policy 2001	Stakeholder participation Maintenance of Permanent Forest Estate Sustainable forest management Promotes private sector Provides incentives for forest resources development
Guidelines and Regulations (developed under the National Forestry and Tree Planting Act)	
Private Forest Registration Guidelines	Regulates management of Private Forests Regulates management of Community Forests
Collaborative Forest Management Guidelines-	Community participation in forest management Benefit sharing between NFA and the communities

	Development of community regulations
Development Plans	
National Development Plan	Sustainable development through preservation of natural resources such as forests
National Forest Plan	Sustainable forest management Maintenance of Permanent Forest Estate

2.5—The forest sector institutional framework

The forest sector reform process in Uganda resulted in the creation of 2 new institutions to implement the forest management functions of the former Forestry Department while the regulatory functions remained with the Ministry under the FSSD. The National Forestry Authority (NFA) was set up to manage the Central Forest Reserves, and was given the flexibility and freedom to operate in a more business-like manner than the former Forestry Department. The management of Local Forest Reserves and other functions were decentralised to Local Governments (LGs) for implementation by the District Forest Services. Decentralisation was expected to increase local ownership and deepen democracy in line with the broader government decentralisation policy. The three institutions were designed to operate in a complimentary and programmatic way under the Directorate of Environment Affairs (DEA) in the Ministry of Water and Environment with clearly defined functions described in the 2003 Act and elaborated in the 2002 National Forest Plan.

The recent review of the sector (LTS 2010) found that despite the comprehensive reforms, the new institutions are not functioning to expectations and the sector still faces many challenges with continued destruction and degradation of forests, loss of forest cover, and failure to contribute to improving livelihoods and forest based development to the levels expected in the Forest Policy and the National Forest Plan. The 2010 review recommended a range of measures aimed at building capacity of the institutions, improving linkages and improving governance.

Other key institutions with linkages to the forest sector are Uganda Wildlife Authority (UWA) which is responsible for forests in National Parks, the National Environment Management Authority (NEMA) which coordinates and supervises all environment issues in the country, and the Ministry of Finance, Planning and Economic Development (MoFPED) which is responsible for setting the pace for national development and allocating the necessary financial resources.

Donors, NGOs and the private sector contribute strongly to the forest sector through funding programs and projects, technical assistance and advocacy. There is an estimated 200 CSOs working in the environment and natural resources sector (MWE, 2009).

Table 11: Summary of institutional mandates in relation to REDD Plus

Institution	Responsibility
Ministry responsible for Forestry (MWE)	Policy development, coordination and supervisions Regulating the forest sector Monitoring and reporting on sector Mobilizing funds for the sector
Ministry responsible for Tourism and Trade	Administration of CITES Convention Licensing/regulating trade in Forestry produce Policy implementation with respect to forested National parks
NFA	Focal Point for REDD Plus and responsible for formulation of REDD Plus Strategy for Uganda Management of CFRs Monitoring Forestry Resources

	Capacity and technology development and transfer Stakeholder/community participation Regulating trade in forest produce
UWA	Management of forested national parks Monitoring forestry resources within national parks Capacity and technology development for carbon trade and investments
Local Governments	Management of local forest reserves Regulate management of community forests, private forests Monitoring Forestry Resources outside Protected areas Facilitating stakeholder/community participation in management of protected forestry resources Regulating trade in forest produce from Local Forest Reserves Environmental planning + land use planning
Private Sector	Forestry resources utilization Forestry resources development Trade in forestry produce
Communities and/or land owners	Forestry resources development Forestry resources management Land management and land use prioritization Forest produce harvesting and utilization

2.6 — Forest governance

Poor standards of governance in public administration are recognised as a major concern by the Government of Uganda across all sectors including forestry (NDP 2010). These concerns regarding forest governance were addressed at a recent meeting of experts convened in Kampala in June 2010. The meeting aimed at diagnosing governance problems and proposing solutions. Participants used a diagnostic tool developed by the World Bank and produced a set of proposals for addressing the issue (Kanyingi 2010).

The priority recommendation of that analysis was to increase transparency by making comprehensive information available to the public on the forest resources and the management of those resources. Transparency improves accountability and reduces the opportunities for corruption. Information should be freely available and readily accessible on public forests and the operations of NFA and DFS, including GIS maps, inventory data, felling plans harvesting forecasts, long term plans and forecasts, financial information, financial reports, progress reports, tender allocations, concession allocations, and any other relevant information required by the public. Information on forests on private land including natural forests and plantations should also be available to the public.

Civil society organisations (CSOs) that focus on governance and forestry issues have an important role in holding public institutions and individuals to account to civil society. The Forest Governance Learning Group and the Advocates Coalition for Development and Environment (ACODE) are key players in this regard. Good information facilitates their efforts to improve governance in the sector.

As the coordination and regulatory institution, FSSD has a key role in addressing governance issues. Given the important role of FSSD in improving governance in the sector, strengthening FSSD will help in addressing the issues of poor governance.

2.7 — Underlying causes of Deforestation and forest degradation in Uganda and assessment of measures to address the causes

Deforestation and degradation drivers are analysed in the following subsections laying out the extent of threat and levels of success of past interventions. The analysis is based on consultations carried out during the R-PP preparation and on reports of previous assessments.

1) Agricultural expansion into forested land

The key agents in clearance of forest land for agriculture are small-scale farmers (88 % of the population of Uganda), immigrants and private large scale monoculture farming (Palm Oil and Sugar Canes). Large scale agriculture is not so wide spread, and has increased from 68,446 to 106,630 ha between 1990 and 2005 (NFA 2005), but it has also caused significant threat to forests. The following are the direct agriculture based causes for the current rates and trends of deforestation and forest degradation in Uganda.

- a) Population growth—demand for more land to meet the increasing demand for food for a growing population (UFRIC 2002; Nagujja 2001).
- b) Commercialisation of agriculture— increase in agricultural specialization and commercialization, growing market in non-traditional agricultural exports (maize beans, bananas, ground nuts, simsim, soybean, pepper, vanilla fruits and cut flowers) and the removal of price regulation by government.
- c) Poor agricultural practices and resultant soil degradation.
- d) Weak agricultural extension system.
- e) Problem animal control— clearing forests to remove habitats of crop-destroying animals (mainly monkeys, baboons and wild pigs).
- f) A culture of prestige associated with agricultural land ownership and expansion

The measures implemented to address clearance of forest for agriculture are:

- a) The forest management authorities (NFA and UWA) have carried out many campaigns to evict farmers encroaching on Forest Reserves and National Parks, but with limited success as evictions are highly unpopular and do not have political backing.
- b) Nationwide tree planting campaigns to restore forest land.

2) Unsustainable cutting of trees for charcoal

Selective removal of trees for charcoal production at unsustainable levels is degrading forests and woodlands. Recent studies show consumption levels increasing at 6-7% per year. Forests and woodlands on private or community-owned land are most affected. Charcoal production is a major industry employing 200,00 people (Kayanja and Byarugaba 2001) and contributing US\$ 20m/yr to rural incomes (Knopfle 2008), and contributing millions of dollars in fees to Local Governments annually. Factors responsible for unsustainable levels of charcoal production are:

- a) Substantial urban demand for charcoal.
- b) Increased road access to forests and woodlands.
- c) Limited access to alternative sources of energy.
- d) Low price of charcoal.
- e) Weak regulation of the charcoal trade and of forest resources.
- f) Poor charcoal conversion technology.

The following measures have been implemented to address unsustainable charcoal production and marketing:

- a) Introduction of MBA-CASA kilns with charcoal yield efficiency between 30–35%. These were not adopted as they are expensive to construct and are not mobile resulting in high transport costs.
- b) Promotion of energy saving stoves. There are indications that efforts to improve wood/charcoal production and use efficiency have started to have an impact, although the impact on industrial consumers is not yet evident.
- c) Provision of alternative energy sources including Rural Electrification at district headquarters, institutions, agro-processing industries and fish landing sites; promotion of biogas technologies and solar energy. However, overall, only about 1 % of Ugandans use these forms of energy. The adoption is limited by the high upfront costs and limited operation and maintenance capacity.
- d) The “Green Police” have recently been established to enforce environmental laws but their operations are yet to start.

3) Unsustainable cutting of trees for firewood

Uganda consumes 16-18 million tonnes of firewood annually mainly in rural areas. This is equivalent to annual per capita consumption of 0.6 tonnes of air-dried wood (Kayanja and Byarugaba 2001).

The following factors contribute towards the unsustainable harvesting of firewood from Uganda Forests.

- a) Income generation for rural households.
- b) Concentration of people in internally displaced camps.
- c) Growing energy demand by the small and medium industries.
- d) Weak enforcement of laws governing firewood harvesting especially from private forests.
- e) Wasteful utilization.

The following interventions are being undertaken to address firewood production and marketing.

- a) Promotion of energy efficient stoves — adoption has been moderately successful.
- b) Tree planting and establishment of woodlots by farmers, government institutions and commercial users such as tea factories — results are encouraging.
- c) Rural electrification programmes by government — impact has been modest so far due to high costs involved.
- d) Promotion of alternative forms of household energy such as biogas. Adoption rates have not been encouraging.

4) Unsustainable harvesting of timber

The demand for timber is estimated at 750,000 m³/year (Kayanja and Byarugaba 2001) compared to the current sustainable timber harvesting levels of 53,000 m³/year over the next 30 years from central forest reserves. Most timber is currently procured from private lands using wasteful methods. The MWE estimates that timber production from private owned forests will be exhausted by 2013. Timber sources include THFs (280,000 m³/year), plantations (100,000 m³/year) and woodlands (19,300,000 m³/year) on government and private land (FAO, 2005).

The following factors contribute to the unsustainable harvesting of timber from Uganda's forests:

- a) High demand and market for timber—there is a supply-demand imbalance.
- b) Wasteful methods of wood conversion.
- c) Lack of guidelines and standards on timber harvesting and processing.
- d) High operating costs for legal harvest of timber—a study found that legal pit sawing production costs exceed the sale price and that the majority of pit sawyers, therefore, operate on private land or illegally (Adokonyero, 2005).
- e) Inadequate forest management planning—only 12 of 506 forest reserves under NFA have approved forest management plans.
- f) Pressure on District Forest Officers to generate revenue from timber production licenses.
- g) Unclear legislation regarding control harvesting timber from private forests.
- h) Mistrust of forest officials by local people.

The following interventions aimed at regulating timber harvesting are ongoing:

- a) Management zoning of central forest reserves, into the 20% Strict Nature Reserves, 30% buffer zone and 50% timber production zones has had significant success in controlling timber harvesting.
- b) A ban by NFA on use of chain saws to produce timber has been successful in combating over-harvesting of timber and its effectiveness could be greatly enhanced if the occasional notes given by officials to make exceptions to this ban are totally halted.
- c) Collaborative forest management has resulted in protection of forests through social pressure, but it is not wide spread and is likely to be short-lived due to inadequate benefit sharing.
- d) The NFA produces periodic land cover assessment reports and maps to guide forest planning and management. They are potentially very useful in combating unsustainable and not used and are not readily accessible.
- e) The NFA and URA track timber by conducting impromptu operations on timber outlets in Kampala to capture 'illegal' timber. There have been difficulties in implementing this but the Green Police that has been established may be able to take over this role effectively.
- f) Certification targeting plantations is gaining momentum but has not been done yet for management in natural forests.
- g) Tree planting initiatives mainly supported by donors. The impact on unsustainable harvesting is long-term.
- h) Collaboration between NFA and NGOs on arresting transport trucks carrying illegal logs. This has been successful in a small number of cases.

5) Livestock grazing and bush burning

Nomadic herdsman, ranchers and hunters have a moderate impact on deforestation and degradation in Uganda through fires aimed at improving grazing or hunting or through pasture improvement by removing trees. The ongoing interventions seeking to address this problem include increasing access to water for livestock, development of bye-laws by local governments to regulate bush fires, and civic or environmental education. These interventions have not had a major impact on these long established practices.

6) Conclusions on drivers of deforestation and degradation

Previous efforts to address the drivers of deforestation and degradation have not been successful due to several factors including poor governance, weaknesses in the law enforcement, lack of regulations and guidelines, and lack of access to relevant information on the forest resources,

knowledge gaps and capacity constraints. These factors can be regarded as indirect drivers of deforestation and degradation.

Efforts to reduce deforestation and degradation in Uganda should therefore seek to address both the direct and indirect drivers including governance issues, political interests, institutional capacities and credibility, population pressures, benefits sharing, tenure of land and tree resources, alternatives to forestry resources, and law enforcement capacity.

The lack of up to date information on the status of forest resources is a significant knowledge gap. The most recent information is from 2005. Generation of this information during the R-PP period is a priority activity.

There have been some notable successes in addressing deforestation. The most notable is the expansion of tree growing by the private sector that has occurred over the past decade. As a response to the degraded status of many forest reserves, the NFA adopted a Public-Private Partnership approach to re-establish forest cover in these reserves, through leasing degraded forest and to both small private investors and large multi-national forestry companies. Most private investors in gazetted reserves are small to medium scale tree growers with up to 500 hectares. They have planted 15,104 hectares in CFRs since 2002. Besides the publicly managed forest reserves, there is a growing number of privately owned commercial forests. This indicates that tree growing is becoming a more attractive venture to small and medium scale investors (NDP 2010) and well as to larger commercial forestry companies. Many of these growers have adopted sustainable forest management (SFM) standards.

7. Proposed activities and budget for the R-PP period

No activities or budget are proposed under 2a. Relevant activities such as additional information requirements will be covered in the budget in component 2b.

2.1 The Situation analysis

This section covers major land use trends; it appraises direct and indirect deforestation and degradation drivers in the context of REDD-Plus. It identifies land tenure and natural resource rights and relevant governance issues; summarizes past efforts at formulation and implementation of policies or measures for addressing some of the drivers of deforestation and forest degradation; pointing at potentials for improvement, and opportunities to address REDD-Plus; and sets the platform for formulation of the country's initial possible REDD-Plus Strategy options available to address key land use change drivers. The REDD-Plus Strategies described in this proposal are largely based on the information provided in this section.

2.1.1 Land Use in Uganda

In 1964, Langdale-Brown *et al.* published a land cover and Land Use description of Uganda. They classified Uganda's vegetation communities into 22 main categories, recognizing 94 specific associations. Government of Uganda in 2003 (Forest Department) and 2006 (NFA) published its first and second Biomass Technical Reports respectively. Part of the work involved mapping land cover and its associated land uses. To be able to categorise the different land uses in the country, an assumption that land cover is an attribute of Land Use, was used. This permitted making the linkage between observable characteristics of the landscape (cover) with purposes for which they are used (land use). In the current draft Biomass Technical Report (2010), the 13 land cover/land use classification system is harmonised with FAO's Land Cover Classification System (LCCS) which is being used by FAO AFRICOVER. Thus the 13 land cover/land use categories in the country are summarized in Table 13 below. Land cover in Uganda has been divided into twelve major cover classes by the National Biomass Unit.

Table 13 Land Cover change in Uganda 1990 and 2005

<u>No.</u>	<u>Land cover type</u>	<u>Area 1990 (ha)</u>	<u>Area 2005 (ha)</u>	<u>Change %</u>
<u>1</u>	<u>Broad leaved</u>	<u>18,682</u>	<u>14,786</u>	<u>-21</u>
<u>2</u>	<u>Conifer</u>	<u>16,384</u>	<u>18,741</u>	<u>-14</u>
<u>3</u>	<u>Tropical High Forest (well stocked)</u>	<u>651,110</u>	<u>600,957</u>	<u>-8</u>
<u>4</u>	<u>Tropical High Forest (low stocked)</u>	<u>273,062</u>	<u>191,694</u>	<u>-30</u>
<u>5</u>	<u>Woodland</u>	<u>3,974,508</u>	<u>2,777,998</u>	<u>-30</u>
<u>6</u>	<u>Bush</u>	<u>1,422,193</u>	<u>2,968,675</u>	<u>109</u>
<u>7</u>	<u>Grassland</u>	<u>5,115,426</u>	<u>4,063,582</u>	<u>-21</u>
<u>8</u>	<u>Wetland</u>	<u>484,030</u>	<u>753,041</u>	<u>56*</u>
<u>9</u>	<u>Small scale farmland</u>	<u>8,400,789</u>	<u>8,847,592</u>	<u>5</u>
<u>10</u>	<u>Large scale farmland</u>	<u>68,447</u>	<u>106,630</u>	<u>56</u>
<u>11</u>	<u>Built up area</u>	<u>36,572</u>	<u>97,270</u>	<u>166</u>
<u>12</u>	<u>Impediments</u>	<u>3741</u>	<u>7,804</u>	<u>109</u>
	<u>Open Water</u>	<u>3,689,603</u>	<u>3,706,489</u>	<u>0</u>
		<u>24,155,246</u>	<u>24,155,347</u>	<u>-</u>

Source: NFA 2009

*The observed increase in wetland area is yet to be confirmed by Wetland Management Department, which is using a slightly different classification method

Natural forest vegetation has declined between 1990 and 2005. In contrast, the area under subsistence agriculture and bush cover increased. Management of woodlands has been generally neglected (Nsita 2010). Although standing biomass (living/above-ground biomass) stocking in woodlands is almost five times lower than that in THF well stocked and over 3 times lower than that in THF low stocked, the widespread loss of woodlands between 1990 and 2005 was equivalent to over five times the biomass loss from THF well stocked. This is equivalent to a loss of about 200,000 ha of THF well stocked compared to the 50,158ha recorded or about one third of the remaining THF well stocked area in 2005.

According to the National Biomass Study, land use changes have influenced changes in biomass cover (Table 14)

Table 14: Biomass changes due to land–use change in Uganda

<u>Vegetation type</u>	<u>Area 2005 (ha)</u>	<u>Difference in area 1990-2005 (ha)</u>	<u>Biomass in standing stock, 2005 (000, tons)</u>	<u>Biomass density in 2005 (tons/ha)</u>	<u>Difference in standing biomass 1990-2005 (000 tons)*</u>
<u>THF well stocked</u>	<u>600,952</u>	<u>-50,153</u>	<u>136,491</u>	<u>227.13</u>	<u>-11,390</u>
<u>THF low stocked</u>	<u>191,694</u>	<u>-81,367</u>	<u>27,596</u>	<u>143.96</u>	<u>-11,710</u>
<u>Woodland</u>	<u>2,777,997</u>	<u>1,196,510</u>	<u>126,014</u>	<u>45.36</u>	<u>-54,280</u>
<u>Grassland</u>	<u>4,063,581</u>	<u>1,051,844</u>	<u>46,852</u>	<u>11.53</u>	<u>-12,130</u>
<u>Bush</u>	<u>2,968,675</u>	<u>1,546,482</u>	<u>14,008</u>	<u>4.72</u>	<u>7,300</u>
<u>Wetlands</u>	<u>753,041</u>	<u>269,011</u>	<u>236</u>	<u>0.31</u>	<u>80</u>
<u>Area of the Country</u>	<u>24,155,347</u>				

Adapted from: NFA 2009

Tons = metric tons

* Assumes no change in stocking density over time

Bush lands, grasslands and wetlands, are not considered to be part of the forest cover, although they contain different forms of trees and shrubs in their landscapes. While expansive loss of grassland also resulted in significant loss of biomass, the expanding bush lands (1990-2005) resulted in very little gain in standing biomass.

Wetlands also increased especially in Teso district because of heavy rains and blockage of drainage into Lake Kyoga (NEMA 2009b). Wetland vegetation is dominated by papyrus, which contains very low living biomass (0.31 tons/ha), but follows a C4 photosynthetic pathway, predicted to sequester about 16 t C/ha/y (Jones and Humphries 2002). Its peat-like sediment contains about 2.5 t C/ha (Mitsch and Bernal, 2008). Wetland vegetation has a neutral to positive overall carbon sequestration effect, balancing its carbon sequestration capacity against its release of methane (op cit). REDD-Plus incentives should be explored for protection of wetlands against destruction, which exposes accumulated rhizomes to aerobic conditions resulting in a potential net release of 10 t C/ha/y (Jones and Humphries 2002).

2.1.2 Relationship between land use, land tenure, forest resources tenure and deforestation and forest degradation

2.1.2.1 Land Tenure in Uganda

Land tenure in Uganda is regulated under the following legal framework: Constitution of Uganda 1995 (amended 2005), the 1998 Land Act, the Registration of Titles Act and the Customary Land law. Article 237 of the 1995 constitution (amended 2005) provides for the following four forms of land tenure in Uganda: a) Customary; (b) Freehold; (c) *Mailo*; and (d) Leasehold. The 1998 Land Act vests ownership of land in the citizens of Uganda. The Act empowers people to use the land they own but in accordance with other existing laws. This implies that land use ought to recognize the forest policy; Forest Act and other environmental laws that seek to promote good environmental management.

Freehold tenure involves the holding of registered land in perpetuity that enables the holder to exercise full powers of ownership of that land, including using and developing it, and obtaining any produce from it. It also allows the title-holder to enter into any transaction in connection with the land, including selling, leasing, mortgaging or pledging, and subdividing.⁷ Most private forests owned by individuals and companies fall on freehold lands.

Mailo tenure involves the holding of registered land in perpetuity. It differs from freehold in that it permits the separation of ownership of land from the ownership of developments on land made by a lawful or *bona fide* occupant (lived on land for 12 years or more). It enables the holder, subject to the customary and statutory rights of those persons lawful or *bona fide* in occupation of the land, to exercise all the powers of ownership of land as that under a freehold title.⁸

Leasehold tenure is a form of tenure created either by contract or by operation of law; under which one person, namely the landlord or lessor, grants another person, namely the tenant or lessee, exclusive possession of land usually for a period defined, in return for a rent. On expiry of the lease, land tenure reverts to the lessor/landlord. When land under natural vegetation is leased, it is generally for purposes of development (agriculture or construction), which will create returns over the leasehold cycle (maximum 49 years).

Customary tenure is a form of land tenure applicable to a specific area of land and a specific class of persons, and is governed by rules generally accepted as binding by the latter. It is applicable to any persons acquiring land in that area in accordance with those rules. Customary tenure is the most common form of land tenure in the rural parts of northern eastern and western Uganda. Land is owned at a tribal level held in trust for the people⁹ by a paramount chief in Masindi, Arua Hoima, Buliisa and entire northern region. In Eastern Uganda Customary land is owned at family lineage level. Individuals only have user rights, but not rights of disposal without the permission of the chief/or leader. There is no clear system of registration of members who can lay claim to the land. Individual tenure security seems to be dependent on active agriculture or settlement. Land is generally not officially surveyed or registered. Boundaries (marked by natural features such as trees, rivers, valleys etc.) often demarcate only the utilized (agriculture and settlement) part of the land and are mutually known among neighbours.

⁷ ibid.

⁸ ibid.

⁹ ibid.

The various categories of land tenure have the following implications to deforestation and forest degradation (Table 15)

Table 15: Assessment of Land tenure in relation to Deforestation and Forest Degradation

<u>Category</u>	<u>Implications for Deforestation and Forest Degradation</u>
<u>Freehold</u>	<u>Has a significant role in deforestation and forest degradation trends since most privately owned forests and agricultural activities and other developments fall on freehold lands. Enforcement of environmental policies and laws to regulate use of these lands is cumbersome and ineffective in most cases.</u>
<u>Mailo</u>	<u>Has a significant role in deforestation and forest degradation trends especially in the Central region/Lake Victoria and western region where this form of land tenure is dominant. Enforcement of environmental policies and laws to regulate use of these lands is cumbersome and ineffective in most cases. Incentives for forestry resources development and management are weak poor due relationships between Land owners and tenants in as far as security of tenure is concerned.</u>
<u>Leasehold</u>	<u>This category of land tenure ownership in Uganda accounts for a very insignificant proportion of land outside urban areas. Little incentive for leaseholders to invest in forest conservation.</u>
<u>Customary</u>	<u>This is major form of land tenure ownership in Uganda. Most agricultural activities take place on this land. Use of forests and woodlands is virtually open-access, and there is no incentive for an individual's to invest in sustainable practices. Profits from woodlands are low and there are strong benefits from conversion to private tenure and agriculture. It stands as most influential form of land use in terms of deforestation and forest degradation.</u>

2.1.2.2 Forest resource rights and implications for REDD-Plus

According to Article 43 of the 1998 Land Act, a person who owns or occupies land is required to manage and utilize it in accordance with the existing laws such as those regulating forestry, minerals, environment, water, wetlands and wildlife among others. Therefore, a landowner is the tree owner except in situations where additional arrangements such as leases and licenses have been made. The 2003 National Forestry and Tree Planting Act, classifies forests according to tenure as (a) Central Forest Reserves under National Forest Authority (NFA), b) Forested National Parks under Uganda Wildlife Authority (UWA); c) Local Forest Reserves under local governments; d) Community Forests under community ownership once declared by the minister; e) Private Forests under private individuals, cultural and traditional institutions; f) Joint Managed Forests usually forming part of a wildlife conservation area under both the UWA and NFA. According to current legal provisions the following arrangements for forest management have direct implications on REDD-Plus (Table 16)

Table 16: Implications of Forest Tenure and management arrangements on REDD.

<u>Tenure</u>	<u>Institution</u>	<u>Management arrangement</u>	<u>Main Characteristics</u>	<u>Implications</u>
<u>Central Forest Reserves</u>	<u>National Forestry Authority (NFA)</u>	<u>Strict Nature Reserves (SNRs) and Sites of Special Scientific Interest</u>	<ul style="list-style-type: none"> ↗ <u>Large forest blocks</u> ↗ <u>Normally located inside forest reserves.</u> ↗ <u>Tree felling is prohibited.</u> 	<ul style="list-style-type: none"> ↗ <u>Creates and sustains carbon Stock/sink in form of PFE</u> ↗ <u>Minimized chances of carbon leakage</u>
	<u>NFA with other stakeholders</u>	<u>Buffer zones</u>	<ul style="list-style-type: none"> ↗ <u>Large forest blocks</u> ↗ <u>At least 500-1000 m belts around SNRs</u> ↗ <u>Low-impact use</u> 	<ul style="list-style-type: none"> ↗ <u>Serve as carbon sink</u> ↗ <u>Potential carbon leakage due to tree utilization</u>
	<u>NFA with private sector/communities</u>	<u>Aforestation/ reforestation of CFR production areas</u>	<ul style="list-style-type: none"> ↗ <u>Mostly large forest blocks for supply of timber & firewood</u> ↗ <u>Some is ear-marked for afforestation/ reforestation</u> ↗ <u>Large patches are licensed to the private sector;</u> ↗ <u>Small patches (< 500 ha) are licensed to individuals or local communities.</u> ↗ <u>Licensees have tenure rights for trees they have planted.</u> 	<ul style="list-style-type: none"> ↗ <u>Provides opportunity for:</u> <ul style="list-style-type: none"> ➤ <u>Forest restoration</u> ➤ <u>Establishment of forests</u> ➤ <u>People/Stakeholder partnerships</u> ➤ <u>Biodiversity conservation</u>
	<u>NFA with communities</u>	<u>Collaborative Forest Management in CFR Production Areas</u>	<ul style="list-style-type: none"> ↗ <u>Small patches in degraded central forest reserve sections adjacent to local communities.</u> ↗ <u>Local communities have user rights negotiated via a Collaborative Forest Management Agreement.</u> 	<ul style="list-style-type: none"> ↗ <u>Provides opportunities for:</u> <ul style="list-style-type: none"> ➤ <u>Sustainable forest management</u> ➤ <u>Community rights to Carbon not assured</u>
<u>Local Forest Reserves</u>	<u>District or sub-county local governments</u>	<u>Local Forest Reserves</u>	<ul style="list-style-type: none"> ↗ <u>4,997 ha¹⁰</u> ↗ <u>Small < 500 ha highly degraded forests</u> 	<ul style="list-style-type: none"> ↗ <u>Provides opportunity for:</u> <ul style="list-style-type: none"> ➤ <u>Forest restoration</u> ➤ <u>Establishment of forests</u> ➤ <u>People/Stakeholder partnerships</u> ➤ <u>Biodiversity conservation</u>
<u>Wildlife Conservation areas</u>	<u>Uganda Wildlife Authority</u>	<u>Wildlife Protected Areas - National Parks (NP) and Wildlife Reserves</u>	<ul style="list-style-type: none"> ↗ <u>Adjacent local communities may have user rights negotiated via a MoU for Collaborative Resource Management (CRM)</u> 	<ul style="list-style-type: none"> ↗ <u>Provides opportunity for:</u> <ul style="list-style-type: none"> ➤ <u>Forest restoration</u> ➤ <u>Establishment of forests</u> ➤ <u>People/Stakeholder partnerships</u> ➤ <u>Biodiversity conservation</u>

¹⁰ Second Schedule of the National Tree Planting and Forest Act 2003

		<u>(WRs)</u>	<u>in zones not exceeding 20% of the PA.</u>	
	<u>Local community committees under local governments with technical assistance from UWA</u>	<u>Community Wildlife Areas (CWAs)</u>	<u>Can be large forest blocks e.g., Amudat (202,500 ha)</u>	<ul style="list-style-type: none"> ➤ <u>Provides opportunities for:</u> <ul style="list-style-type: none"> ➤ <u>Sustainable forest management</u> ➤ <u>Community rights to Carbon not assured</u>
<u>Joint management</u>	<u>UWA and NFA</u>	<u>Joint Management Forest Reserves</u>	<u>Large forest blocks e.g., Bwindi National Park (119,200 ha).</u>	<ul style="list-style-type: none"> ➤ <u>Exhibits Institutional Collaboration</u>
<u>Private Forests</u>	<u>Individuals or institutions outside government</u>	<u>Variable</u>	<u>Mostly small fragmented forest patches. None has been registered yet.</u>	<ul style="list-style-type: none"> ➤ <u>Vulnerable to deforestation and forest degradation</u> ➤ <u>Opportunity for afforestation</u> ➤ <u>Opportunity for participating in REDD-Plus/carbon market</u>
<u>Community Forests</u>	<u>Potentially CBO, NGO, co-operative society, communal land association (CLA), company, farmers' group, _____ or traditional/cultural institution</u>	<u>Forests on formerly public or government land that are completely under community control</u>	<u>None has been declared by the minister yet.</u>	<ul style="list-style-type: none"> ➤ <u>Vulnerable to deforestation and forest degradation</u> ➤ <u>Opportunity for afforestation</u> ➤ <u>Opportunity for participating in REDD-Plus/carbon market</u>

2.1.2.3 Forests and carbon tenure in Protected Areas

According to the Forest and Tree Planting Act (2004), Central Forest Reserves are managed on behalf of the Ugandan citizens by NFA as semi-autonomous central government statutory body. Local Forest Reserves (4,995 ha) are also managed on behalf of the Ugandan citizens by the Local Governments. Likewise, Forests under management as National parks are held in trust by UWA. This management arrangement introduces the aspect of Trust ship whereby government and these prescribed institutions act as Trustees on behalf of Ugandans. This implies that Carbon stocks within these estates are held in trust by government on behalf of the peoples of Uganda.

Concessions awarded by Government under Section 14 and 41 of the 2004 National Forestry and Tree Planting Act, entitle concession-holders to rights over forest resources within the forest reserves as specified in their licenses or permits. Forest concessions have been awarded to: harvest mature trees in both natural and plantation forests, plant trees develop portions of the forest reserve for forestry functions such as saw-milling and wood processing industries, manage eco-tourism sites, undertake Collaborative Forest Management and extract non-timber forest products for commercial purposes (Kiyingi 2006). This implies that the lessee has right to the trees.

Local communities under formal Collaborative Management arrangements or other bidding arrangements also have access and user rights in forest reserves. The 2001 National Forestry Policy, the 2004 National Forestry and Tree Planting Act, and the 2002 Guidelines for Collaborative Forest Management (CFM) provide for development of ten-year co-management agreements between a Responsible Body (a government entity like NFA or other forest owner) and an organized community group. Under CFM with NFA, the policy and the law are clear that the land and tree tenure of the central forest reserves rests with NFA. In such cases, carbon tenure belongs to the responsible body. NFA also gives the opportunity for CFM communities to acquire a license for 10% of the plantable area within forest reserves. Under the license arrangement, communities own the trees and therefore (presumably) the carbon rights during the licensing period (25 years).

Under the UWA Community Resource Management agreements e.g., between Kamwenge community groups and Queen Elizabeth National Park communities have only access and user rights to the specified forest reserve sections and have no claim on land or tree tenure.

2.1.2.4 Forests and carbon tenure in privately owned forests

Private Forests (PFs) are all forests outside government-protected areas and not including Community forests. Private forests in Uganda exist on land under freehold, leasehold, *mailo* and customary tenure systems. In all these cases a certificate of title constitutes a *prima-facie* evidence of ownership.¹¹ Where land is titled, the land tenure is relatively clear except in cases where squatters or *bona fide* occupants are settled on land or in case of land fraud raising conflicts over such land.¹²

Section 21, 22 and 25 of the 2004 National Forestry and Tree Planting (NFTP) Act provide for a forest owner (individual or community group) to register with the district land board their forest on land owned in accordance with the Land Act, or under a license granted by the Act. This provision also includes forests on customary (untitled land). Provided that a forest is registered, the Act states that all produce in that forest belongs to the forest owner and may be used in any manner the owner may determine provided it falls within the management plan and regulations provided under the NFTP Act. Currently however, no Private Forest has been registered in Uganda (Ebeling and Namirembe 2010).

Communal forests are a type of private forests existing on land under customary tenure that is not claimed by an individual, commonly on formerly public land that existed by law before the 1995 Constitution (amended 2005). Forests on these 'unclaimed lands' are experiencing the highest threats of deforestation especially in northern and western Uganda.

Communal forests can also be owned by Communal Land Associations (CLAs), constituting local community members that have registered a claim to the land and to manage it as "common property". Under this category of ownership, registered community groups can legally claim all land, tree and carbon tenure rights. However, although community groups such as Ongo and Alimugonza have completed the process of CLA application, none been endorsed by the minister. Until Private Forests and Community Forests are formalised, clear ownership of rights over trees and carbon is not legally defensible.

¹¹ Under the Registration of Titles Act, a certificate of title is a *prima-facie* evidence of ownership.

¹² The 1998 Land Act creates overlapping rights over land by recognizing *bona fide* occupants. Forests on such land are subject of conflicts between the landlords and *bona fide* occupants.

Local communities can designate a forest area as a Community Wildlife Area (CWA) under local governments. Land and tree tenure under CWAs belongs to the members of the community group.

2.1.3 Implications of deforestation and forest degradation on forest dependent people

The definition and categorization of “forest dependent people” in Uganda and their concerns regarding REDD-Plus is provided in section 1.6. They comprise of the Batwa/Pygmies in the Kabale, Kisoro and Kanungu districts and Benet in the Mt Elgon area in the east.

Measures for safeguarding the livelihoods of these people are briefly introduced under section 2.7 This R-PP does not exhaust the identification of the likely impacts, neither does it prescribe in detail, the measures envisaged under this section. Instead, the Environmental and Social Management Framework will be used as a tool to investigate such issues and describe measures for addressing them. The ESMF shall also address the World Bank Safeguards as well as national policies and legislation that relate to these people. The above notwithstanding, it is highly probable that the following measures to be developed under the ESMF will address the following, among others:

- a) Enforcing legal provisions in the Constitution of Uganda, Land Act, Local Government Acts, etc.
- b) Enforcement of Conservation/Protected Areas policies and laws that recognize existence of Forest dependent people within respective protected areas.
- c) Promotion of conservation measures and approaches such as CFM, CRM, which permit participation in management of the protected areas, regulated access and use of forest resources within protected areas.

Forest dependent people are positively responding to new ways of life including engaging in income generating activities and sedentary life. These success stories offer the opportunity to continue to facilitate “willing” forest dependent people in such activities that ultimately uplift the quality of their livelihood. It is expected that ESMF will include such intentions.

2.2 Forestry resources base in Uganda

Forestry resource in Uganda is described in terms of the current status and trends in forestry resources base, biodiversity values and issues and, trends in deforestation and forest degradation.

2.2.1 Status of forestry resources in Uganda

According to National Biomass Study (2005), Uganda’s natural forest vegetation, which is the main focus of REDD-Plus, is categorized into three broad types namely Tropical High Forest (THF) well stocked, Tropical High Forest low stocked, and Woodland, covering 3,570,643ha and occupying approximately 15% of Uganda land surface as of 2005 (Table 17). Of these, approximately 15,500ha were of soft wood plantations. There is no reliable information since 2005.

Table 17: Geographical distribution of natural forests in Uganda

<u>Forest type</u>	<u>Extent in 2005 (ha)</u>	<u>District¹³ s with > 20,000 ha of forest</u>
--------------------	----------------------------	--

¹³ Districts names are presented as they were in 2005

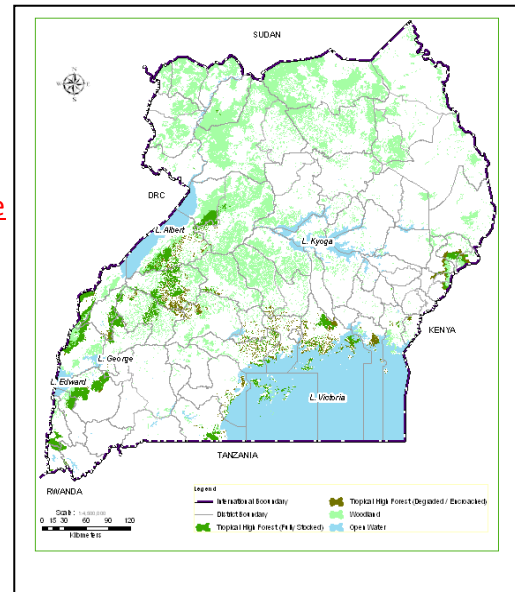
Uganda Draft R-PP (Revision of 4th March Informal Submission January 10, 2011)

<u>Tropical high forests, well stocked</u>	<u>600,956.81</u>	<u>WEST: Kyenjojo (84,000), Bushenyi (68,231), Hoima (58,889), Kibaale (58,268), Kasese (49,794), Bundibugyo (45,612), Kabarole (39,177), Masindi (31,933), Kamwenge (26,769)</u>
<u>Tropical high forests, Low stocked</u>	<u>191,694.36</u>	<u>CENTRAL: Mukono (63,977), Mpigi (27,170), Kalangala (21,079)</u>
<u>Woodland</u>	<u>2,777,997.8</u>	<u>NORTH: Abim, Ajumani, Amuru, Apac, Arua, Gulu, Kitgum, Kotido, Moroto, Moyo, Nakapiripirit, Nebi, Pader, Yumbe</u> <u>WEST: Bundibugyo, Bushenyi Hoima, Kabarole, Kamwenge, Kasese, Kiruhura, Kyenjojo, Masindi</u> <u>CENTRAL: Kayunga, Kiboga, Mubende, Nakaseke, Nakasongola,</u>

Source: NFA, 2009

Figure4: Map showing distribution of forests in Uganda.

In terms of geographical spread, well stocked tropical high forests (THF) are mainly in the western part of the country (Bugoma, Budongo, Kibale, Rwenzori Mountains, Kalinzu-Maramagambo, Katsyoha-Kitomi, Bwindi Impenetrable and Mgahinga) and in the east around Mt. Elgon. Low stocked THFs are found around the shores and on the islands of Lake Victoria while woodlands are in the northern central and western regions. The eastern part of the country is largely forest-poor.



Source: NFA (2009)

Over 1,900,000 ha of the forest area is protected under the Permanent Forest Estate (PFE in form of Central Forest Reserves managed by the National Forestry Authority (1,270,797 ha) and National Parks managed by the Uganda Wildlife Authority (731,000 ha), and Local Forest Reserves managed by districts (4,997 ha). Of these Permanent Forest Estate (PFE), 78% (1,468,000 ha) is under forests and woodland, while the rest is mainly grassland (Kayanja and Byaruhanga, 2001). The rest of the forest estate (almost 64% of the total forest cover), which is mostly woodland (Kayanja and Byaruhanga 2001), is under private ownership (State of the Environment Report 2004/5). This is where deforestation and forest degradation mainly occur (Plumptre 2002).

2.2.2 Biodiversity in Uganda's Forests

Uganda ranks second in Africa for its mammalian diversity, has more than half of the birds and a third of the butterflies listed for the continent (Howard, 1991;Pomeroy, 1993; Davenport and Matthews, 1995), and a higher proportion of Africa's plant 'kingdoms' than any other country in the continent (White, 1983). Much of this biodiversity is concentrated in the nation's forests.

Forests of the Albertine Rift especially represent an area of great importance for conservation of biodiversity. The Albertine Rift has been identified by Birdlife International as an Endemic Bird Area, by World Wildlife Fund as an Ecoregion and by Conservation International as a biodiversity hotspot (Eastern Afromontane habitat in Africa).

Most of the forest loss in Uganda in recent decades occurred outside protected areas. While only 15% of forest reserve is degraded, 50% of all the tropical forest on private land is degraded (NEMA, 2008). For example, a total of 84 centrally managed forests occur in the Albertine Rift in Uganda¹⁴.

¹⁴ Five of these are National Parks and 79 are Central Forest Reserves. In addition there are 21 Local Forest Reserves managed by the Districts.

However, many of the forest reserves are small in size with only nine of them exceed 50 sq km in size. Hence, the issue of forest corridor conservation/restoration is critical for biodiversity conservation in Uganda.

Other parts of the country also have forest resources which contain habitats of prime biodiversity importance. For example, the protected areas in northern Uganda have both a national and global importance for biodiversity conservation with many of the parks and reserves conserve species that are not found elsewhere in Uganda. Many reserves are on mountaintops and conserve species.

Several of these areas are connected and form larger landscapes highlighting again the need to preserve landscape connectivity (Kidepo-Agoro Agu Landscape, Murchison-E.Madi-Nimule landscape). These landscapes could be connected again to conserve the old corridor that allowed elephants to migrate between Murchison Falls and East Madi.

It is also important to design REDD-Plus strategies which would conserve (and restore) these prime conservation forests through better management interventions such as law enforcement, zoning and land use planning to assure landscape connectivity, new management approaches (e.g. community involvement, public-private partnerships through concessions), enrichment planting, removal of invasive species and others.

The biodiversity aspect has long been recognized by several carbon standards, most notably through the Climate, Community and Biodiversity Alliance (CCBA) standard. It is possible that wildlife-rich habitats can command a premium under REDD-Plus or voluntary carbon market and currently there are efforts to formalize this “wildlife-premium” framework into REDD-Plus design as recently announced by the World Bank.

2.2.3 Trends in status of forest resources in Uganda

Both Uganda and FAO statistics show a decline in forest cover in Uganda, from 10,800,000ha in late 1890 to 4,900,000ha in 1990 and 3,570,643 in 2005. There is no updated data since 2005 although there is concern that the rate of loss of vegetation cover has continued to-date. This presents a decline in forest cover from 35% to less than 15% of Uganda land surface.

Between 1990 and 2005, forest loss was estimated at 88,638 ha/year - approximately 0.7% (7,000 ha/y) in protected areas and 2.27% outside protected areas (NFA 2009). Table 18 shows the districts with the largest forest area lost between 1990 and 2005. Loss of tropical high forests (in hectares) occurred mainly in Kibaale (52,745), Mukono (36,649), Wakiso (24,679), Hoima (16,254) and Mayuge (14,711) over the same period.

Table 18: Changes in Forest area in most affected districts (1990-2005).

<u>District</u>	<u>Area lost (ha)</u>	<u>% loss</u>
<u>Kitgum</u>	<u>297,147</u>	<u>63</u>
<u>Kiboga</u>	<u>87,131</u>	<u>52</u>
<u>Amuru</u>	<u>81,406</u>	<u>21</u>
<u>Kibaale</u>	<u>80,585</u>	<u>43</u>
<u>Nakasongola</u>	<u>63,127</u>	<u>49</u>
<u>Hoima</u>	<u>62,250</u>	<u>39</u>

<u>Kamuli</u>	<u>19,998</u>	<u>81</u>
<u>Bugiri</u>	<u>20,297</u>	<u>76</u>

Source: NFA, 2009

These changes in forestry resources take place in both protected areas and non-protected areas but with more changes occurring in non-protected areas. By 2002 50% of the tropical high forests (THF) on private lands were degraded and 17% of those in protected areas were degraded. Deforestation occurs mostly in woodlands especially outside protected areas. While degradation drivers are well known, the impact of degradation is not as obvious as for deforestation.

2.2.4 Deforestation and forest degradation in Uganda

The major underlying causes of deforestation and forest degradation in Uganda relate to largely agrarian human population with increasing numbers and active socio-economic dynamics, increased demand for variety of forestry resources with limited options for alternatives or substitutes and human capacities to ensure sustainable forest management.

The major drivers of deforestation and forest degradation in Uganda consist of agricultural expansion in forested lands, Charcoal production, Firewood harvesting, livestock grazing, timber production and Human settlement and urbanization.

A Study carried out under auspices of R-PP Process for Uganda on “Evictions Trends and extent of evictions from Protected Areas in Uganda and implications on the REDD-Plus Process for Uganda” (NFA 2011) reveals that majority of encroachers in protected forest areas are people who have come from other locations and have been “facilitated” by or are “protected” by local leaders or protected areas personnel. These scenarios project a disturbing trend to the effect that forest or protected areas governance is undermined by the authorities meant to protect them.

With regards to evictions, efforts have been less effective, partly due to the protection given by authorities, political interests that compromise law enforcement, weak institutional performances when handling evictions.

The Study has also concluded that encroachers in forested protected areas do not qualify to be considered “forest dependent people” because, in fact, their interests is land for agriculture or commercial interests in charcoal, timber and forest produce.

The analysis of these drivers and underlying causes is presented in the following subsections.

2.2.4.1 Agricultural expansion into forested land

The key agents are small-scale farmers (88 % of the population of Uganda), immigrants and private large scale monoculture farming (Palm Oil and Sugar Canes).

Between 1990 and 2005, agricultural land area expanded by 2% (from 8,400,789ha to 8,847,591ha mostly in form of small-scale agriculture (NFA 2005). Subsistence agriculture expanded into wetlands, grasslands, and forests (Olson and Berry 2003). Agricultural expansion is the major deforestation driver in Uganda (Knopfle 2008), especially in high population areas or areas with high influx of immigrants. By 2008, there were over 300,000 illegal settlements in central forest reserves. Outside protected areas, land under natural resource cover is considered to be ‘idle’. This has been

the case also in west-central (Luwero, Kiboga, Kibale and Masindi districts) and north-eastern parts of the country.

Agricultural interests can sometimes be the primary driver for deforestation and the wood that is cut is used for poles/timber, charcoal production, fuel wood or burned off as waste (Kayanja and Byarugaba 2001). In other instances e.g. well stocked forests near urban centres, agriculture follows degradation from timber, charcoal and fuel wood extraction.

Large-scale agriculture is not so wide-spread, and has increased from 68,446 to 106,630 ha between 1990 and 2005 (NFA 2005), but it has also caused significant threat to forestry. Key examples include the signing over of 7,000 ha of forest on the islands (Bugala and Kalangala) by the Uganda Government to BIDCO for establishment of an oil palm plantation (Foundation for Environmental Security and Sustainability 2006).

The following are the direct agriculture based causes for the current rates and trends of deforestation and forest degradation in Uganda.

- a) **Commercialisation of agriculture:** The expansion of cultivated area into forest and wetlands during the 1990s has been caused by a general increase in agricultural specialization and commercialization. The growing market in non-traditional agricultural exports (maize beans, bananas, ground nuts, simsim, soybean, pepper, vanilla fruits and cut flowers) and the removal of price regulation by government has increased the demand for agricultural land (Kamanyire 2000).

Converting forest land to agriculture pays more. The decision to invest in oil palm plantations at the expense of natural forests in Bugala islands, for example, was based on the International Fund for Agricultural Development (IFAD) study showing that Malaysia's oil palm plantations directly employ many people compared to the few rural people that were not generating much income from the natural forests.

- b) **Poor agricultural practices and resultant soil degradation:** While Uganda's climate offers great potential for food production and economic growth, the country's agriculture, which is predominantly rain fed (UNDP 2007), produces only a quarter to half of potential crop and livestock yields, even with present technologies (NEMA, 2008a). The declining soil fertility, especially in the high potential bimodal rainfall areas in the lakeshore region and in the eastern highlands has also resulted in expansion of agricultural land. Uganda has low fertilizer use because it is not profitable due to poor infrastructure, inadequate advisory support and low market access. Organic practices are too labour intensive and can only be achieved on small land parcels.

- c) **Weak extension system:** The poor have limited options for agricultural intensification since they are often excluded from programmes that improve agricultural productivity (e.g., NAADS - improved seeds, fertilizers and mechanisation) and commercialization. Therefore they tend to expand or practice shifting agriculture. Cultivation methods on steep slopes are generally poor (Knapen *et. al.* 2006) as smallholder farmers lack the institutions, resources or incentives to construct soil conservation structures such as embankments and terraces (NEMA 2006).

- d) **Problem animal control:** Forests are cleared to remove habitats of crop-destroying animals (mainly monkeys, baboons and wild pigs). The campaign for growing upland rice in recent

years, for example, caused substantial destruction of forests and trees to remove nesting areas for birds. However, cutting trees and forests reduces on the amount of food available to these animals in their natural habitats and therefore results in increased crop raiding, hence the need for more land to produce enough. Problem animals therefore are a cause and effect of forest degradation.

- e) **Culture:** For the better off people, agricultural land is sometimes expanded due to need for income, prestige, accumulation of assets.

The following interventions are ongoing to address agriculture based drivers of deforestation and forest degradation.

- a) **Management of Forest Estates:** Eviction of agricultural encroachers has been the most common method of controlling agricultural expansion into forests. Out of the 240,000 ha occupied by encroachers in Central Forest Reserves countrywide, NFA has only managed to recover 372 ha. There is an inability of the responsible institutions to protect forests from crimes due to weak institutional capacities (i.e. human, financial and technical resources) and political involvement in handling illegal activities. Clear demarcation of forest boundaries has also been used to curb agricultural encroachment, but this has achieved mixed results as any forest patches outside the boundaries are quickly removed.

- b) **Developing Strategy and guidelines** for nationwide Tree planting and forest land restoration and for Plantation establishment in forest reserves.

2.2.4.2 Population growth

The primary cause of agricultural expansion is the demand for more land to meet the increasing demand for food for a growing population (UFRIC 2002; Nagujja 2001). In the eastern region, population density is highest in the highlands. For example, Bududa district has a population density of 952 persons/km² compared to the national average of 124 people/km².

Information from REDD-Plus consultations indicates that local people migrate from densely populated areas to settle and establish agricultural fields in forested lands especially in the Albertine region (Hoima, Masindi and Bulisa).

2.2.4.3 Unsustainable cutting of trees for charcoal

Charcoal is produced through selective removal of trees. *Combretum* spp., *Acacia* spp., *Albizia* spp, *Terminalia* spp, *Azelia africana*, *Piliostigma thonningii* are mainly targeted as they make the highest quality charcoal. However, the species range has expanded to include also highly valuable fruit trees like mango, jack fruit and shea butter. In the recent years, charcoal extraction has risen to unsustainable levels resulting in forest degradation and deforestation, especially in the woodlands.

The FAO-FOSA study in 1995 estimated an annual increase of 6% in charcoal production, with a total of around 400,000 tons per year. Between 1996 and 1997, charcoal production increased by 7% from 418,000 tons to 447,000 tons (State of Environment Report for Uganda 1998). Charcoal consumption in Kampala, the main consumer, increased from 200,000 tons in 1995 to 300,000 tons in 2004 (Kisakye 2004). Another key demand point for Ugandan charcoal (mostly from Zuka forest in West Nile) is Southern Sudan, which is emerging from war and has disposable income. Kampala

charcoal is mainly from Luwero and Nakaseke (25.3%), Nakasongola (14.5%), Kiboga 13.6%, Mpigi 10.8% and Masindi 6.9% (Kisakye 2004). Other charcoal producing districts are Kapchorwa, Buikwe, Mubende, Mityana, Masaka, Lyantonde, Sembabule and Mpigi supplying Jinja, Entebbe, Wakiso and Mbale.

The majority of wood for making charcoal comes from private or community-owned land. However, as the trees are getting rapidly depleted and as land owners are charging more for harvesting of trees from their land (Knopfle 2008), an increasing amount of wood is obtained (often illegally) from forest reserves. Charcoal is sometimes a bi-product of clearance of land for agriculture. For every 4 ha cleared, 1 ha is used for charcoal (Kayanja and Byarugaba 2001).

Despite being mostly illegal, the combined earning from charcoal by local governments and the Forest Department in 1995 was about US\$ 8m in form of charcoal movement licenses and permits (Sankayan and Hofstad 2000). By 2008, charcoal contributed US\$ 20m/y in rural income (Knopfle 2008). There are over 20,000 people employed in production, transport, distribution and marketing (Kayanja and Byarugaba 2001).

Agents are mainly young men with limited basic education and skills in alternative income generation. These men are often poor with little access to land and credit. Increasingly, larger businessmen are getting involved in charcoal production. The key players in the Charcoal production and transactions are charcoal dealers (producers, transporters and traders).

The following are factors responsible for charcoal production and resultant effect of forestry resources in Uganda.

- a) **High demand:** The charcoal business has been growing due to the increasing demand, mainly (70%) by the growing urban population.
- b) **Infrastructure development:** Indirectly, the increased road access and large numbers of youth with little basic education and limited access to formal employment contribute to the growth in charcoal business.
- c) **Limited access to alternative sources of energy:** Although hydropower infrastructure exists in most urban centres, the unreliable supply and heavy tariffs force the population to rely mostly on charcoal for cooking. Grid access covers only 5% of the whole country and connection reaches only 200,000 people countrywide (Energy Policy for Uganda (2002)). Charcoal on the other hand is abundant and believed to be relatively affordable although a recent energy research, found that the cost of using charcoal over a month is the same as that for electricity excluding the cost of installing electrical appliances.
- d) **Price:** The price of charcoal is too low at UGX 6,000 at the kiln site, and up to UGX 30,000 in Kampala per bag of approximately 50 kg. This reflects mainly the labour, handling and transportation investment, but not the value of the wood itself. Producers pay as little as UGX 400/bag to produce charcoal from private idle land (Knopfle 2008). License costs are negligible at only UGX 36,000/month for production and UGX 62,000/lorryful for transportation (Knopfle 2008). Charcoal production is easy for resource poor people as it only requires labour investment and has lower economic risk than agriculture.
- e) **Weak regulation:** No clear strategy has been made for charcoal in the National Development Plan (2010). Regulation of charcoal production and movement is inadequate and unclear.

Ideally, in order to fell trees for charcoal from forest reserves, producers must obtain licenses from either the National Forestry Authority (NFA) or the District Forest Services. For trees felled from private forests, producers are required to obtain consent from the tree owner as well as from the district officers, who advise on what is permissible according to the district environment plan. In addition, a movement permit should be obtained from the District Forest Officer in the district of origin in order to move the charcoal. This multiplicity of institutions regulating the same resource is confusing and prone to abuse both by the producers and government officials.

- f) **Poor technology:** The most common kiln used is the earth mound constructed at the site of tree felling in order to avoid transportation costs of unprocessed wood. The earth kiln has very low recovery rate of only about 10–22% calculated using oven-dry wood with 0% water content (Adam 2009). However, in most cases, charcoal conversion efficiency is not more than 10%. Poor charcoal handling also leads to further loss. Bags are often smashed on the ground while reloading or offloading increasing the proportion small pieces of charcoal called fines (the acceptable amount is only 5%) (Knopfle 2004).

The following interventions are being undertaken to address charcoal production and marketing.

- a) **Introduction of MBA-CASA kilns** with charcoal yield efficiency between 30-35% in Luweero, Masindi and Nakasongola districts (Knopfle 2004). These were not adopted as they are expensive to construct. Also because they are not mobile, they result into increased transportation costs, which the producers cannot afford. The Ministry of Energy is organizing youths in Nakasongola to regulate one another in the production of charcoal and to form cooperatives that will enable them to obtain licenses and operate legally and get better prices.
- b) **Strategies for sustainable charcoal production** and for promoting energy saving stoves have been developed by the Ministry of Energy and Mineral Development (MEMD). Promotion of efficient charcoal cook stoves has also been supplemented by NGOs and Development agencies. At household level, fuel-efficient charcoal stoves are getting increasingly used in urban areas and in the long run, these should contribute to reduced demand for charcoal. A study by UNIQUE Forestry Consultants (2006) showed that these initiatives by the government, private sector and NGOs to improve wood/charcoal production and use efficiency have started to have an impact. The impact of these interventions on charcoal producers and industrial consumers is not yet evident.
- c) **Promotion of efficient charcoal production kilns** (achieving up to 27% efficiency) in Kiboga, Luwero, Nakaseke, and Nakasongola by MEMD resulted in low uptake because the technology was expensive and involved permanent structures yet charcoal burners were nomadic. Other MEMD interventions to provide alternative energy sources include: Rural Electrification at district headquarters, institutions, agro-processing industries and fish landing sites; promotion of biogas technologies and solar energy. However, overall, only about 1 % of Ugandans use these forms of energy. The adoption is limited by the high upfront costs and limited operation and maintenance capacity.
- d) **The Green police** have just been established to enforce environmental laws and their operations are yet to start.

2.2.4.4 Unsustainable cutting of trees for firewood

Uganda consumes 16-18 million tonnes of firewood annually (or annual per capita consumption of 0.6 tonnes of air-dried wood (Kayanja and Byarugaba 2001). The major players are the rural households, youth and commercial dealers.

Firewood consumption is highest in rural areas, but is also substantial in urban areas, commonly using the highly inefficient three-stone fire place. It is mostly a free resource in rural areas. Firewood is also the main energy source for businesses such as lime production, fish smoking, schools, hospitals, prisons and barracks, bakeries, tobacco curing and brick-making.

Fuel wood for cooking comes mostly from farmland (48%), bush land (30%) woodlands (20%) and natural forest (2%). Commercial fuel wood for small industries comes from woodlands 58.9% (mainly in Mbarara, Lira, Nakasongola, Kumi and Adjumani Districts) and 34.6% is collected from plantation/planted forests (mainly from Masaka, Bushenyi and Kasese Districts) (Kayanja and Byarugaba 2001; Draft National Forest Plan, July 2010).

In the central, western and south western parts of the country, firewood extraction does not seem to be a very high threat to deforestation and forest degradation and in most cases; the existing regulation of forest access by rural families is working well. It is the commercial extraction for small and medium scale industry as well as urban households that are causing deforestation and forest degradation. However, in northern and eastern districts (e.g. Tororo, Iganga, Nakasongola, Maracha, Arua, Soroti, Kumi, Palisa, Rakai, Adjumani) firewood scarcity has escalated resulting in more than double the distance walked by women and children from 0.73 km in 2000 (Poverty Eradication Action Plan - PEAP, 2004/5-2007/8), to 1.5 km (APRM 2007). In some instances agricultural residues, which would have replenished soil nutrients are used for energy. From the FIEFOC 2007 survey, only about 20% of the households use fuel-saving technologies.

The following factors contribute towards the unsustainable harvesting of firewood from Uganda Forests.

- a) **Income generation:** Firewood selling offers an alternative source of income to many rural households. In Karamoja, income generated from selling firewood ensures food security (Lüdecke et al. 2004).
- b) **Concentration of people in internally displaced camps:** Severe deforestation has been observed in northern Uganda especially in a radius of 5-8 km around IDPs. All trees are converted to fuel wood including the *Borassus* palm and the high value Shea butter nut tree.
- c) **Growing energy demand by the small and medium industries:** Firewood demand has escalated due to expanding businesses especially tobacco and fish smoking, bakeries, brick-making, charcoal making and institutions such as schools and hospitals.
- d) **Weak enforcement of laws governing firewood harvesting especially from private forests:** Firewood is often considered to be a minor forest product and not strongly regulated.
- e) **Wasteful utilization:** There are no processes to enforce use of more efficient firewood technologies in homes, institutions and industries.

The following **interventions** are being undertaken to address firewood production and marketing.

- a) To reduce demand for firewood, energy efficient stoves are mainly promoted by NGOs/CSOs country wide. However it is only effective if each household uses such stoves. It also requires households to have alternative and more attractive income-generating ventures to work effectively (Okello Bio energy lists).

- b) Tree planting and establishment of woodlots by farmers, government institutions and commercial users such as tea factories.
- c) Rural electrification programmes by government
- d) Promotion of alternative forms of household energy e.g., biogas.

2.2.4.5 Unsustainable harvesting of timber

Timber harvesting is a key driver for deforestation and forest degradation in Uganda. It is often the first step in forest conversion. In central forest reserves the process often ends at charcoal and fuel wood extraction resulting in degradation, but in some cases, agricultural farms ensue. Although logging used to target only a few species in the past, it has become increasingly indiscriminate and affects a wide range of species and tree age classes. Logging has therefore become severe enough to prevent forest recovery.

The demand for timber was estimated at 750,000 m³/year (Kayanja and Byarugaba 2001) compared to the current sustainable timber harvesting levels of 53,000m³/year over the next 30 years in central forest reserves. Illegal timber extraction is one of the major drivers of deforestation and forest degradation in central forest reserves. Most timber is extracted mainly from private lands using wasteful methods. The MWE estimates that timber production from private owned forests will be exhausted by 2013. Timber sources include THFs (280,000 m³/year), plantations (100,000 m³/year) and woodlands (19,300,000 m³/year) on government and private land (FAO, 2005). Timber markets are mainly domestic and key destination points are urban centres (Kampala, Entebbe, Masaka, Jinja, Mbale, Mbarara, Gulu, Arua, Kabale, Fort Portal, Soroti and Tororo). There is also a considerable volume of illegal timber imported into the market.

Legal timber production from natural forest in CFRs comes from timber production zones¹⁵ totalling 141,000 ha¹⁶. Of the approximately 300,000 ha of THF under NFA, about 100,000–200,000 ha can be considered to be “productive” and only 50,000 ha of this is exploitable.

In general, however, records of timber volumes cut and traded whether legally or illegally are incomplete. Timber from private forests is estimated based on only the movement permits, and excludes timber sold within districts. Also the volume of illegal timber is often underestimated based on the figures of those confiscated. In 1999, 715,000 m³ of illegal timber was confiscated¹⁷ by the Forest Department (FAO 2005).

The key agents of unsustainable timber harvesting are the Pit sawyers who supply over 90% of the sawn timber, mainly from natural forests (FAO, 2005). The current management of central forest reserves favours “low-impact harvesting practices” in natural forests - the maximum allowed off-take under a typical license is 15 m³/ha in bole volume, or 5-6 trees/ha. This suits the low-investment pit-sawing with annual timber output of only about 25–50 m³. Since pit-sawn timber is converted at the stumps and head-hauled from forest, pit-sawing avoids construction of skid roads and use of heavy and expensive tractors or log-transporter trucks. It is considered to be eco-friendly and pro-poor, like the commercial high investment model, although it tends to cream the forests of very high value timber species. Saw millers supply only about 10% of the total timber and this comes mainly from forest plantations.

¹⁵ The Forest Nature Conservation Master Plan (FNCMP) divides Uganda’s forest reserves into three management zones: 50% of the THF FRs comprises timber production zone, 30% buffer zones and 20% is set aside as strict nature reserve.

¹⁶ FAO (2005) supra

¹⁷ Kayanja and Byarugaba (2001)

The following factors contribute to the unsustainable harvesting of timber from Uganda's forests.

- a) **Demand and market for timber:** has almost doubled mainly due to the expanding construction and furniture industries. The urban construction industry has grown at an average of 11% over the last 3 years leading to high demand of timber, poles, and furniture. The MWE (2009) estimates the country's demand for timber to be 750,000m³/year compared to the 200,000 m³ consumed in 1999. This demand is projected to rise to 1.5 million m³ by 2025¹⁸. Despite a ban on timber exports, Kenya and now Southern Sudan are key market destinations for Ugandan hardwoods. The price of timber has escalated.
- b) **Wasteful methods of wood conversion:** Pit-sawing results in timber recovery of only 20-40% of the tree. The mobile circular sawmills can also be wasteful. Sometimes even the highly wasteful chain saws are used for converting wood.
- c) **National or regional guidelines and standards:** to guide timber harvesting and processing are unavailable. Certification of forests and labelling of forest produce to verify its legal origin from sustainable sources of supply had been included under Section 92, Subsection 2v of the Draft Forest Regulations of 2003 but these Regulations have not been gazetted by the Minister.
- d) **High operating costs for legal harvest of timber:** Adokonyero (2005) found that the total operating costs (i.e. sum total of the concession/licence fee, royalty and transporting timber) of pit-sawing in CFRs of UGX 275,800/m³ exceeds the average sale price of UGX 200,000/m³. The majority of pit-sawyers, therefore, operate on private land or illegally.
- e) **Inadequate management planning:** Out of 506 forest reserves under NFA, only 12 have approved forest management plans, the rest are in draft form. Even then, management plans are not implemented adequately because of lack of resources. The staff on the ground is not adequate to effectively implement management plans. For example, there are only 5 NFA staff members to manage the 499 km² of Kasyoha-Kitomi forest reserve. On the other hand, the lack of institutional coordination of the DFS has led to a fragmented approach to private forest management where forestry officials in each district are completely disjointed from their counterparts. Many DFS positions are not filled nor have staff with inadequate skills. Staff is often poorly paid and not adequately facilitated to conduct their duties.
- f) **Revenue generation:** Districts have focused on generating local revenue from timber rather than providing advisory support for sustainable private forest management. For example Bushenyi district leadership gladly license heavy timber production - about 20 Lorries of timber/day to Kampala.
- g) **Unclear legislation:** The forest law does not sufficiently control harvesting timber from private forests. According to the law, there is no requirement for owners of forest outside protected area boundaries to seek authorization for harvesting a few trees from their own land or clearing it for agriculture. For harvesting trees for commercial timber from a large area, however, a forest owner (individual or community) must be authorized by the district forest officer. No formal proof of land ownership is required. Some district officials have exploited this gap to register pit-sawyers to harvest timber from local forest reserves and to clear timber from central forest reserves. Also the recently introduced use of *special hammers* by NFA and URA is still confusing – DFS have found themselves clearing timber from CFRs and vice versa. DFS tend to levy extra charges from private tree owners including felling fees and a timber royalty fee of UGX 3000/tree. Over-regulation of timber markets also creates avenues for corruption and bribery.

¹⁸ MWE (2009)

h) **Mistrust:** Timber concessions are often given to businesses from other locations and not to local people. This has fuelled mistrust of forest officials leading to escalation of illegal logging and conflict. Cases of communities attacking forest officers have escalated as witnessed in Jubia FR (January 2009) and in Buikwe FR (June 2009)

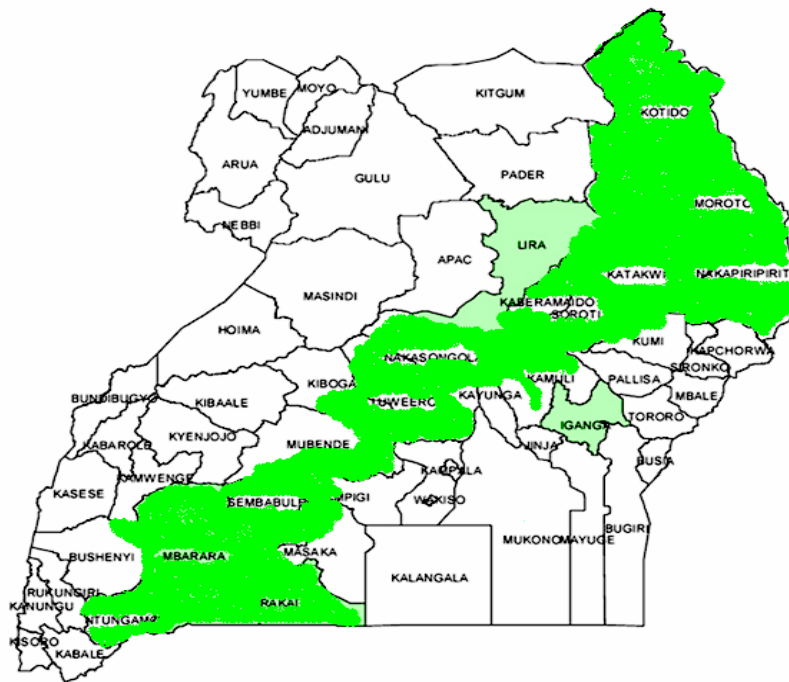
The following **interventions** aimed at regulating timber harvesting are ongoing:

- a) Management zoning of central forest reserves, into the 20% Strict Nature Reserves, 30% buffer zone and 50% timber production zones has had significant success in controlling timber harvesting.
- b) The ban by NFA on use of chain saws to produce timber has also been successful to a large extent in combating over-harvesting of timber and its effectiveness could be greatly enhanced if the occasional notes given by officials to make exceptions to this ban are totally halted.
- c) Collaborative forest management has resulted in protection of forests through social pressure, but it is not wide spread and is likely to be short-lived due to inadequate benefit sharing.
- d) The NFA produces periodic land-cover assessment reports and maps to guide forest planning and management. This needs to be made more accessible for users – by creating awareness and reducing/removing the cost for the information. The NFA itself needs to use this information to develop management plans for all its reserves.
- e) The NFA and URA track timber by conducting impromptu operations on timber outlets in Kampala to capture ‘illegal’ timber (not bearing a NFA or URA stamp). These operations unfortunately tend to also confiscate legal timber from private forests. Apparently, this activity is outside NFA’s mandate as controlling, tracking and restricting timber movement within the country should be by Order of the relevant Minister through a Statutory instrument (Section 45 of the forest law). The Green Police that has been established should be able to take over this role effectively.
- f) Private sector interest in forest management has been increased through licensing reserve land for private tree growing and selling high quality seedlings. The Saw log Production Grant Scheme, providing a fifty percent subsidy for establishment of timber plantations has been successful and is expected to play a key role in reducing pressure on natural forests. Timber certification programs are getting initiated. However, all these are targeting plantations and have not been attempted in ensuring sustainable timber management in natural forests.
- g) Donor-funded projects such Farm Income Enhancement and Forest Conservation (FIEFOC); Mt. Elgon Regional Ecosystem Conservation (MERECP); LVMP and PrimeWest have focused more on tree planting and not really on timber control and regulation.
- h) NFA has worked with civil society organizations to curb illegal timber harvesting. For example, earlier in 2010, forestry officials working with an NGO called Forestry Concern Uganda impounded about 10 trucks carrying illegal timber using forged documents. The timber had been illegally cut from forests in Mpigi, Mukono, Kayunga, Masaka and Mityana districts.

2.2.4.6 Livestock grazing and bush burning

The responsible agents are nomadic herdsman, ranchers and hunters. Nomadic livestock grazing is not a major deforestation and forest degradation driver in Uganda since in addition to forest vegetation; it relies also on bush land, grassland and wetland vegetation. Cattle-raiding tribes e.g., in Karamoja occasionally cause destructive forest fires. Cattle population grew from 7.5 million in 2005/6 to 11.8 million in 2008 (UBOS 2008). Cattle population is distributed as 22.3% in western region, 21.8% in eastern Uganda 21.7% in central region, 19.8% in Karamoja and 14.4% in northern Uganda (UBOS 2008). In a study by International Food Policy Research Institute (IFPRI) (Benson and Mugarura 2010), the correlation between livestock population and woodlands was low because of the less-than-ideal pasture in such landscapes and tsetse-related constraints in some areas.

Figure 5 The Cattle Corridor in Uganda



Source: From Uganda Investment Authority, (2009).

The following factors contribute to the trends in deforestation and forest degradation due to grazing pressures.

- a) Wild fire (by hunters and livestock herders) was highlighted as a driver of deforestation/forest degradation during REDD-Plus consultations. According to Nangendo (2005), fire in Budongo woodlands is often of low intensity and well managed on small patches, leading to low carbon woodlands mainly consisting of fire-tolerant species. The study also shows that the control of fire results in succession of fire tolerant woodlands by closed forest vegetation (higher carbon stocking) with tree species that are less adapted to fire. However, fire is a massive problem in many landscapes, such as northern Uganda. It is often high intensity and destructive. Districts even addressed improving fire management as their priority in their SEAPs which WCS supports in some sub counties in the North. Studies are needed to show the extent to which these fires affect forest cover.
- b) Pasture improvement causes forest degradation especially in the woodlands where fire and selective tree cutting are done occasionally to increase pasture growth.

The ongoing interventions seeking to address this problem include:

- a) Increasing access to water for livestock: government has programmes to construct valley dams to settle pastoral communities.
- b) Development of bye-laws by local governments to regulate bush fires.
- c) Civic or environmental education by civil society.

2.2.4.7 Other drivers of deforestation and forest degradation

There is insufficient information on the impact of other deforestation/forest degradation drivers such as Settlements and urbanization and Oil exploration. Studies are needed to establish the impact of these drivers and whether they can be addressed through REDD-Plus.

2.2.4.8 Previous efforts to address deforestation and forest degradation in Uganda

Previous efforts to achieve sustainable forest management through controlled rates of deforestation and forest degradation have not been successful due to several factors including weaknesses in the enforcement of law and policy and regulation of use of forest resources. In recent past, institutional reforms such as decentralized management of forest reserves have not been effective in achieving their mandates. Over-all, efforts to reduce deforestation and forest degradation in Uganda should seek to address political interests, institutional capacities and credibility, population pressures, benefits sharing, tenure of land and tree resources, alternatives to forestry resources, and competitiveness of forestry resource and, consistent and effective law enforcement.

Poor standards of governance in public administration are recognised as a major concern by the Government of Uganda across all sectors including forestry (NDP 2010). These concerns regarding forest governance were addressed at a recent meeting of experts convened in Kampala in June 2010. The meeting aimed at diagnosing governance problems and proposing solutions. Participants

used a diagnostic tool developed by the World Bank and produced a set of proposals for addressing the issue (Kanyingi 2010). Priorities for improving forest governance, proposed at the WB/ENR workshop 2010 included the following:

- a) Systematizing and improving the collection, packaging and dissemination of information.
- b) Ensuring active participation of forest dependent communities in planning and management of forests.
- c) Clarification and improvement of conflict resolution mechanisms.
- d) Reconstruction of the forest development plans and budgets.
- e) Restructuring forestry institutions.
- f) Enhancing collaboration and coordination among government forestry institutions.
- g) Make forestry institutions autonomous and free from political interference.
- h) Improving the Process of Forest Management Reporting.
- i) Effectively enforce forestry policies and laws.
- j) Clarifying the ownership of non-traditional resources tied to the forestland.
- k) Developing mechanisms for equitable distribution of benefits from forests.
- l) Carry out total economic valuation of forest resources and Incorporate environmental costs into forest product prices.
- m) Improve property rights and enforce contracts in forestry related businesses.
- n) Adopt appropriate forest technologies and best standards in forest production and processing.

The priority recommendation of that analysis was to increase transparency by making comprehensive information available to the public on the forest resources and the management of those resources. Transparency improves accountability and reduces the opportunities for corruption. Information should be freely available and readily accessible on public forests and the operations of NFA and DFS, including GIS maps, inventory data, felling plans harvesting forecasts, long term plans and forecasts, financial information, financial reports, progress reports, tender allocations, concession allocations, and any other relevant information required by the public. Information on forests on private land including natural forests and plantations should also be available to the public.

Civil society organisations (CSOs) that focus on governance and forestry issues have an important role in holding public institutions and individuals to account to civil society. The Forest Governance Learning Group and the Advocates Coalition for Development and Environment (ACODE) are key players in this regard. Good information facilitates their efforts to improve governance in the sector.

As the coordination and regulatory institution, FSSD has a key role in addressing governance issues. Given the important role of FSSD in improving governance in the sector, strengthening FSSD will help in addressing the issues of poor governance.

2.3 Forestry Policy and Governance

Forestry policy and governance is presented in the context of adequacy and/or inadequacy of policies, legislation and institutional arrangements for forestry management in Uganda, enforcement and compliance to these policy and legal provisions, the role of international policy regimes, the role of research, management of transboundary forestry resources and rights to forestry resources (trees and carbon) in relation to REDD-Plus.

2.3.1 Policy, Legal and Institutional frameworks for REDD-Plus

REDD-Plus entails Sustainable Forest Management actions involving a series of stakeholders thus requiring a robust institutional governance system and quality control at all governance levels. In addition, REDD-Plus shall involve critical activities such as monitoring effects of REDD - Plus Strategy on Forestry resource in Uganda, Carbon fund management and channelling that require high levels of transparency and accountability. These activities require strong legal and policy framework to regulate or govern them so as to ensure truthful reporting and attribution of changes to activities and also to particular stakeholders.

Lastly, there is need for clear understanding of the causes and implications of current performance levels of forest governance in Uganda in order to develop appropriate strategies for safeguarding forest dependent people and other vulnerable groups from likely effects of REDD-Plus Strategy implementation.

The following sub-sections briefly discuss the legal and policy framework in relation to REDD-Plus.

2.3.1.1 National policy and legal framework for forestry resources development and management in Uganda.

The Constitution of Uganda (amended 2005) is the supreme framework on sustainable forest management while the 2001 National Forestry Policy and the 2004 National Forestry and Tree Planting Act provide the principle framework. Other subsidiary laws relating to forestry management include: Wildlife Act, cap 200, Local Government Act (1998), Land Act, cap 227, National Environment Management Policy (1995), National Environment Act, cap 153, among others.

These frameworks are supported by several guidelines issued from time to time by lead agencies, e.g., Private Forest Registration Guidelines and the Collaborative Forest Management Guidelines developed by NFA¹⁹. In addition the District Forestry Services Handbook was drafted but it has not been adopted as an official guide for the operation of the DFS.

Uganda has changed its development strategy from a “Poverty-reduction Strategy” to an “Enterprise Approach”. The National Development Plan (2010-2015) categorizes forestry as a primary growth sector with prospects for investment both from the national budget and the private sector. The National Development Plan emphasizes “sustainable development through preservation of natural resources such as forests ...” The Uganda government draft Vision 2035 is explicit on carbon trading as a means of conserving forests for climate change mitigation.²⁰ It provides that Uganda will promote carbon trade that will increase forest cover, as well as incomes of the rural communities. It further provides for promotion of conservation programs that will not only restore but also sustain an optimum level of forest cover in the country.

In general, the existing policies and legislation seem to provide adequate basis for REDD - Plus. Where weaknesses exist, they stem from weak implementation of policy and enforcement of law

¹⁹ These guidelines are not binding because they have not been gazette.

²⁰ The Republic of Uganda Vision 2035. Toward a Transformed Ugandan Society from a Peasant to a Modern and Prosperous Country within 30 years, para.126-127, p. 14.

and mismanagement of institutional mandates. The following (Table 19) presents a summary of the analysis of key legal, policy and development frameworks in relation to REDD-Plus.

Table 19: Summary of Policy and Legal provisions for REDD-Plus

Framework	Provisions Relevance to R-PP and REDD-Plus implementation
Legal frameworks	
<u>The Constitution of Republic of Uganda (amended 2005)</u>	<ul style="list-style-type: none"> ✓ <u>Protection of Uganda's natural resources including Forests</u> ✓ <u>Ownership of natural resources by Ugandans and creation of trusteeship arrangements</u>
<u>Forestry and Tree Planting Act 2003</u>	<ul style="list-style-type: none"> ✓ <u>Legal framework for management of forest resources in Forest Reserves</u> ✓ <u>Stakeholder participation</u> ✓ <u>Sustainable forest management</u> ✓ <u>Promotion of farm forestry</u> ✓ <u>Establishes Joint management arrangements</u>
<u>Wildlife Act 2000</u>	<ul style="list-style-type: none"> ✓ <u>Legal framework for management of forest resources in wildlife conservation areas</u> ✓ <u>Incentives including sharing of benefits from conservation of forests</u> ✓ <u>Stakeholder participation</u>
<u>Local Government Act 1997</u>	<ul style="list-style-type: none"> ✓ <u>Stakeholder participation</u> ✓ <u>Decentralised (devolved) management of Local forest reserves</u> ✓ <u>Carrying out Forestry Extension services</u> ✓ <u>Regulating Private Forests and Community Forests</u>
<u>National Environment Act 1995</u>	<ul style="list-style-type: none"> ✓ <u>Environmental standards</u> ✓ <u>Incentives including sharing of benefits from conservation</u> ✓ <u>Stakeholder participation</u>
<u>Land Act 1998</u>	<ul style="list-style-type: none"> ✓ <u>Stakeholder participation</u> ✓ <u>Tenure of trees and Forests</u>
Policy frameworks	
<u>Forest Policy 2001</u>	<ul style="list-style-type: none"> ✓ <u>Stakeholder participation</u> ✓ <u>Maintenance of Permanent Forest Estate</u> ✓ <u>Sustainable forest management</u> ✓ <u>Promotes private sector</u> ✓ <u>Provides incentives for forest resources development</u>
<u>National Environment Management Policy (1994)</u>	<ul style="list-style-type: none"> ✓ <u>Provides for sustainable management of forests</u> ✓ <u>Strategy of using incentives and sharing benefits</u>
<u>Renewable Energy Policy (2006)</u>	<ul style="list-style-type: none"> ✓ <u>Promotion of efficient wood energy processing and use technologies</u> ✓ <u>Promotion of alternative renewable energy sources</u>
Guidelines and Regulations (developed under the National Forestry and Tree Planting Act)	
<u>Private Forest Registration Guidelines</u>	<ul style="list-style-type: none"> ✓ <u>Regulates management of Private Forests</u> ✓ <u>Regulates management of Community Forests</u>
<u>Collaborative Forest Management Guidelines 2002.</u>	<ul style="list-style-type: none"> ✓ <u>Community participation in forest management</u> ✓ <u>Benefit sharing between NFA and the communities</u> ✓ <u>Development of community regulations</u>
Development Plans	
<u>National Development Plan 2010-2015</u>	<ul style="list-style-type: none"> ✓ <u>Sustainable development through preservation of natural resources such as forests</u>
<u>National Forest Plan 2004 (under revision)</u>	<ul style="list-style-type: none"> ✓ <u>Sustainable forest management</u> ✓ <u>Maintenance of Permanent Forest Estate</u>
<u>Draft Vision 2035</u>	<ul style="list-style-type: none"> ✓ <u>Proposes carbon trading as a means of conserving forests for climate change mitigation</u>

The analysis of the above policy and legal frameworks reveals that the following policy areas need to be addressed:

- a) Enforcement and compliance to policy and legal provisions
- b) Promotion of alternative energy sources
- c) Promotion of efficient wood energy production and use technologies
- d) Sustainable management of forests and forestry resources
- e) Strengthening stakeholder's participation in development, management and conservation of forests and forestry resources.

Given that REDD-Plus will entail actions involving a series of stakeholders that will be rewarded after proof of performance, adequate governance systems and quality are critical at all levels. REDD-Plus will involve new activities including monitoring, fund management and channelling that require high levels of transparency and accountability. Laws must be developed to govern monitoring to ensure truthful reporting and attribution of changes to activities and therefore to particular stakeholders.

2.3.1.2 Enforcement and compliance with policies and legislation

Effective legal enforcement is going to be crucial for the success of REDD-Plus in Uganda. REDD-Plus will require an increased number of forest officials who have the capacity to enforce forest laws, regulations and standards and are well motivated and facilitated with sufficient operational funds. District staff tends to focus on those issues that the Ministry of Local Government (MoLG) rewards or penalizes based on regular inspections. Forestry needs to be included in such standards to elevate its importance at district level.

A study should be conducted to identify solutions to the low performance in the enforcement of forestry legal provisions, its underlying causes and potential for pro-poor mechanisms to safeguard against negative impacts on the vulnerable, including gender issues. The required number and skills of enforcement officers needs to be determined as well as incentives for good performance. Collaborative enforcement across different agencies in forest management and also with other sectors especially at the district level should be explored.

The study should also look at what needs to change in laws governing contractual agreements with the private sector including identifying ways of curbing corruption. Civil education and awareness programs are also necessary to get REDD-Plus understood. These programs should engage politicians.

The Forestry Sector Support Department (FSSD) should lead in the development of programs to promote awareness of legal provisions for forestry among the legal enforcers (e.g., police and the judicial systems) and to develop formal linkages with them. The existing Regional Environment Support Units (established by NEMA) provide a potential structure to achieve this. Enforcement activities in REDD-Plus implementation will rely heavily on the recently (2010/11) formed Green police under NFA and NEMA.

2.3.1.3 Regional and International policy

Uganda is a signatory to several internal agreements (Conventions and protocols) and as such is obliged to apply international law in management of her forestry resources where applicable. Indeed, Uganda qualifies to participate in the FCPF because it ratified the CBD. Therefore, in its

REDD-Plus strategies, efforts to implement Uganda's obligations to these agreements will be emphasized.

2.3.2 Addressing legal gaps in forest management

2.3.2.1 Benefit Sharing

The legal provisions for forestry management are adequate save for need to gazette stakeholder participation through legally binding benefit sharing. A benefit-sharing mechanism should be developed and gazetted based on assessment of its potential to provide sufficient incentive to all stakeholders in an affordable and sustainable way within the existing resource limitations. Addressing the legal gaps highlighted in the on-going review of the NFP is also crucial to the implementation of REDD-Plus, particularly, gazettment of the Forestry Regulations, now in draft form, to support policy implementation and enforcement of the NFTP. To support the DFS role in REDD-Plus, the District Forest Service's Handbook should be developed and gazetted.

2.3.2.2 Clarification of Carbon rights

Policy review should be made as early as possible to make explicit provisions on carbon rights, which are crucial in determining whether Uganda can lawfully generate and commercialize carbon credits, and how carbon revenues will be distributed among stakeholders. If Uganda is to use a nested approach where project level activities will take place transact at the same time as the national level activities, then systems (licensing or taxation) need to be developed in the regulatory framework for the central government to grant explicit formal acknowledgement of carbon rights to landholders and their unrestricted right to enter into commercial transactions at the project level.

The rights to carbon protected in existing forests (REDD) are likely to be tightly linked to land ownership (the trees are considered to be 'natural fruits'). The extent to which formal declaration of Community Forests is crucial to the implementation of REDD outside protected areas needs to be understood. The NFTP safeguard of passing on Community Forests to Local Government DFS in case of mismanagement should be revisited given the poor track record of LG forest management. The FSSD can spearhead this working with NGOs. The right to carbon for communities participating in central forest reserve management also needs to be made explicit in the agreements developed with them. Civil society organisations e.g. CARE and ACODE could play a key role in defining and advocating for this.

2.3.3 Institutional framework for forestry resources management in Uganda

Forestry resources management in Uganda falls under the Ministry of Water and Environment (MWE), which, through the Department of Forestry Sector Support Service (FSSD) is responsible for formulating policies, standards and legislation for environment management. The National Forestry Authority (NFA) and the Uganda Wildlife Authority (UWA) manage central forest reserves and forest under wildlife conservation areas, respectively. Local government District Forestry Services (DFS) are mandated to manage Local Forest Reserves (LFR). The DFS is also mandated to provide advisory services for the management of private forests (Table 20).

Other key actors in forest management include the National Environment Management Authority (NEMA) which coordinates and supervises all environment issues in the country. The Ministry of Finance, Planning and Economic Development (MoFPED) is responsible for setting the pace for national development and allocating the necessary financial resources.

Donors, NGOs and the private sector contribute strongly to forest management especially by implementing those activities constrained by funding or whose management is not suitable for government service institutions. There is an estimated 200 CSOs working in the environment and natural resources sector (MWE, 2009). The challenge is the short-term cycle of their projects and duplication activities due to poor coordination. Most of these CSOs have come together in a somewhat loose alliance called the Uganda Forestry Working Group (Nsita 2010).

Table 20: Summary of institutional mandates in relation to REDD-Plus

<u>Institution</u>	<u>Responsibility</u>
<u>Ministry responsible for Forestry (MWE)</u>	<ul style="list-style-type: none"> <u>↗ Policy development, coordination and supervisions</u> <u>↗ Regulating the forest sector</u> <u>↗ Monitoring and reporting on sector</u> <u>↗ Mobilizing funds for the sector</u>
<u>NFA</u>	<ul style="list-style-type: none"> <u>↗ Focal Point for REDD-Plus and responsible for formulation of REDD-Plus Strategy for Uganda</u> <u>↗ Management of CFRs</u> <u>↗ Monitoring Forestry Resources</u> <u>↗ Capacity and technology development and transfer</u> <u>↗ Stakeholder/community participation</u> <u>↗ Regulating trade in forest produce</u>
<u>UWA</u>	<ul style="list-style-type: none"> <u>↗ Management of forested national parks</u> <u>↗ Monitoring forestry resources within national parks</u> <u>↗ Capacity and technology development for carbon trade and investments</u>
<u>Local Governments</u>	<ul style="list-style-type: none"> <u>↗ Management of local forest reserves</u> <u>↗ Regulate management of community forests, private forests</u> <u>↗ Monitoring Forestry Resources outside Protected areas</u> <u>↗ Facilitating stakeholder/community participation in management of protected forestry resources</u> <u>↗ Regulating trade in forest produce from Local Forest Reserves</u> <u>↗ Environmental planning + land use planning</u>
<u>Private Sector</u>	<ul style="list-style-type: none"> <u>↗ Forestry resources utilization</u> <u>↗ Forestry resources development</u> <u>↗ Trade in forestry produce</u>
<u>Communities and or land owners</u>	<ul style="list-style-type: none"> <u>↗ Forestry resources development</u> <u>↗ Forestry resources management</u> <u>↗ Land management and land use prioritization</u> <u>↗ Forest produce harvesting and utilization</u>

2.3.4 Forestry research and training

Formal training in forestry occurs in Makerere University (graduate level) and Nyabyeya Forestry College (Diploma level). This is supplemented by informal training by Saw Log Plantation Grant Scheme (SPGS) and staff mentoring.

Forestry research has been generally weak and poorly coordinated. National Forestry Resources Research Institute (NAFORRI) has been poorly funded, inadequately staffed and is weakly linked to universities and training institutions. NAFORRI could play a key role in analyzing the scientific and socio-economic aspects of REDD-Plus in order to advise on the potential for REDD-Plus in Uganda.

Perhaps, the worst challenge in forest management is the inadequate management of information at the central and district levels. Most of the historical trends relevant to the new structures are difficult to trace.

2.3.5 Trans-boundary forest management

Forest governance reforms have also sought to address trans-boundary forest management although this has been done at project level. For example, the four-year UNDP/GEF East African Biodiversity Project, which focused on Sango Bay swamp forests extending to Tanzania and Mt. Kadam forest extending Kenya. Others include catchment forest management as part of the Lake Mt Elgon Regional Ecosystem Conservation Programme (MERECP), Victoria Management Programme (LVMP), and the International Gorilla Conservation Programme (IGCP) with DR Congo. Currently, in the East African Community Climate Change Policy 2010 the member states propose a number of regional initiatives.

2.4 Forest governance in Uganda

2.4.1 Forest governance

2.4.1.1 Government led governance

Forest governance deals with how power is exercised, how people are involved in forestry issues, especially those of public concern. (World Resources Institute, 2009). Strategies for sustainable forest management have been evolving over time. Between 1938 and 1967, a double tier system (i.e. CG and LGs) of forest management was used. District officials mostly worked independently, provided they adhered to approved annual plans and budgets. Forest management concentrated on timber production and conservation. In 1967-88, the government adopted a republican constitution, which centralized virtually all government decision-making powers, bringing the management of all forest reserves under the Forest Department (a central government arm) (Nsita 2002). The main approach of forest management was “policing” or forest protection through foot patrols focusing on forest reserves >5ha. Smaller forest reserves were cut down for agriculture and settlement. Forest protection through policing became increasingly difficult as illegal activities escalated. The greatest barrier to enforcement of forest laws was lack of cooperation of adjacent local communities. Traditional beliefs for maintaining sacred forests or particular trees had been mostly disregarded in these processes.

The National Environment Action Planning Process in the late ‘80s –early ‘90s sought to increase stakeholder participation in decision-making and aimed at re-instating the two-tier system of management with increased incentives for natural resource management. In 1993, the government decentralised (devolved) management of central forest reserves to Local Governments as a way of increasing people’s participation in decision-making. However, this was without adequate prior capacity building and resulted in heavy forest losses as decisions mainly for forest conversion were made based on local politics and not technical guidance. The worst affected areas were South Busoga and Luwunga forest reserves (Nsita 2002). In 1995, forest reserves were recentralized albeit through subsidiary legislation. By this time, illegal activities (encroachment and illegal timber harvesting) had built up so much that rampant forest destruction continued.

Since 1997, forest sector reforms have developed frameworks for increasing active citizenship and participation (especially of the poor and vulnerable) in decision-making in the management of key

resources in the country with the aim of enhancing integrity, transparency and accountability. The 2001 National Forestry Policy, the 2002 National Forest Plan and the 2003 National Forest and Tree Planting Act promote public participation and partnership between governments and private companies in forest management. The NFTP Act also requires the Minister to consult before taking major decisions on forest reserves. The National Environment Management Policy emphasises the participation of the private sector and communities in natural resource management and recommends using incentives including sharing of benefits from conservation

The ongoing review of the 2002 National Forest Plan shows mediocre performance (rated at about 50%) of the sector mainly due to inadequate forest law enforcement and institutional inadequacies (Nsita 2010).

2.4.1.2 Co-management and user groups

Policy provisions for community participation in forest management have been implemented (mostly facilitated by civil society organisations) to a very limited scale although where this has happened, there has been significant improvement in forest status. CFM was piloted in 1998, but so far, only 30 agreements, covering only about 22,000 ha (about 3% of the total area occupied by natural forests and woodlands) (NFA Annual Report 2006/7).

Concerning forest reserves under UWA, Community Resource Management MoUs developed with adjacent communities did not fare any better. Community Resource Management in wildlife protected areas is governed by the 2003 Uganda Wildlife Policy (1999), the 2004 Uganda Community Conservation Policy, the 2000 Uganda Wildlife Authority Community Protected Areas Institutional policy, the 2007-2012 Uganda Wildlife Authority Strategic Plan (UWASP) and the Uganda Wildlife Act (Cap 200). Partnerships that had been attempted in the 1980s and 1990s between the forest department and user groups especially aimed at organising pit-sawyers in order to timber harvesting were not successful either.

This was mainly because of inadequate incentive and benefit-sharing provisions. It is too early for the recently formed agencies (UWA and NFA) to commit them to benefit sharing arrangements before they generate experience to understand the burden of their new responsibilities as against the potential financial flows. For example, UWA hardly covers its operational costs and in 2008, depended on central government to support 30% of its budget. The NFA capacity to manage its own costs of operation is becoming increasingly questionable as mature timber plantations are getting exhausted.

The negotiation of these agreements/MoUs takes too long and they tend to be poorly implemented as only a few community leaders have access to them and can read and understand them. NFA and UWA still retain the greater power and control over forest sections covered under these arrangements e.g., the granting of permits and license for product extraction.

Community participation in forest management is sometimes overwhelming and fatiguing as they have to engage with multiple government institutions. Although CFM agreements are co-signed by district leaders, LGs play no role in their implementation. CFM communities develop byelaws, which should be passed and enforced by the LGs, but no mechanism has been developed to link the two systems.

2.4.1.3 Licensing

Involving community and private sector stakeholders in forest reserve management through licensing has worked successfully to an extent. Licenses or concessions are awarded to members of the public for conducting different forest activities. In case of harvesting forest products from the forest reserves, licenses are awarded after conducting an Exploratory Inventory (EI) and Integrated Stock Survey and Management Inventory (ISSMI) either through open bidding if the quantities are large or via a Pricing Committee if quantities are small. A new system of bidding for concessions and royalties introduced in 2004 under NFA where NFA fells the trees and then holds a public auction for the round wood, however, tends to favour mobile saw millers over pit-sawyers.

Irregularities have been identified in the licensing process. For example, in some cases, there was no competitive bidding, or the bidding process was poorly implemented resulting in choice of not necessarily the best bidder, under-pricing of the wood and the bidder failing to make full payment to the NFA²¹.

Although licensing private tree growers to establish forest plantations on central forest reserves has created some success in increasing forest cover especially under the Saw log Production Grant Scheme (SPGS), much of the land leased out is not planted. Currently, a Presidential directive has put a ban on this provision and reduced license cycles from 50 to 25 years. Nonetheless private sector involvement in forestry has been quite successful and the growing interest in forest/timber certification is generating experiences that will guide carbon markets.

The provision by NFA to license (for 25 years) 10% of the plantable area within forest reserves to CFM communities has been tried only to a limited extent, but has significant potential since communities own the trees and therefore (presumably) the carbon rights.

On the other hand, the need for licenses in order to harvest timber (FSSD) or charcoal (from the district forest officer) from private forests, has acted as a disincentive for investment in forest land use as opposed to agriculture where harvesting is more or less unregulated.

2.4.2 Institutional Reforms

Forest governance deals with how power is exercised, how people are involved in forestry issues, especially those of public concern (World Resources Institute, 2009). Strategies for sustainable forest management have been evolving over time (Table 21). Before 1967, most of the forest reserves were managed through decentralised mechanisms. In 1967, the government adopted a republican constitution, which centralized virtually all government decision-making powers, bringing the management of all forest reserves under the Forest Department (a central government arm) (Nsita 2002).

In 1993, the government decentralised (devolved) management of central forest reserves to Local Governments as a way of increasing people's participation in decision-making. However, this was without adequate prior capacity building and resulted in heavy forest losses as decisions mainly for forest conversion were made based on local politics and not technical guidance. The worst affected areas were South Busoga and Luwunga forest reserves (Nsita 2002). In 1995, Central Forest Reserves were recentralized through subsidiary legislation.

Table 21: Chronology of Institutional reforms in Forestry management

<u>Era</u>	<u>Institutional reforms</u>
------------	------------------------------

²¹ Advocates Coalition for Development and Environment (ACODE) Report. 'Trouble in the Forest'

<u>1898</u>	<u>Establishment of Forest Service</u>
<u>1902</u>	<u>Forest Department</u>
<u>1928-1940</u>	<u>Establishment of Forest Reserves</u>
<u>1967</u>	<u>Creation of CFRs</u>
<u>1993</u>	<u>Decentralized Forestry Management</u>
	<u>Change in management of CFRs to NPs</u>
<u>1997</u>	<u>Recentralization</u>
<u>2004</u>	<u>National Forest Authority</u>

2.4.3 Legal and policy reforms

Since 1997, forest sector reforms have developed frameworks for increasing active citizenship participation (especially of the poor and vulnerable) in decision-making in the management of key resources in the country with the aim of enhancing integrity, transparency and accountability (Table 22). The 2001 National Forestry Policy, the 2002 National Forest Plan and the 2003 National Forest and Tree Planting Act promote public participation and partnership between governments, communities and private companies in forest management. The NFTP Act also requires the Minister to consult before taking major decisions on forest reserves. The National Environment Management Policy emphasises the participation of the private sector and communities in natural resource management and recommends use of incentives including sharing of benefits from conservation.

The ongoing review of the 2002 National Forest Plan shows average performance (rated at about 50%) of the sector mainly due to inadequate forest law enforcement and institutional inadequacies (Nsita 2010).

Table 22: Chronology of Policy and Institutional reforms related to Forestry resources management

<u>Era</u>	<u>Institutional reforms</u>	<u>Policy reforms</u>
<u>1898</u>		<u>Establishment of Forest Service</u>
<u>1901</u>		<u>Forest Policy</u>
<u>1902</u>	<u>Forest Department</u>	
<u>1928-1940</u>		<u>Establishment of Forest Reserves</u>
<u>1964</u>		<u>Forest Act</u>
<u>1967</u>		<u>Creation of CFRs</u> <u>Forest Policy</u>
<u>1991</u>		<u>Change in management of CFRs to NPs (Bwindi, Mgahinga and Rwenzori)</u>
<u>1993</u>		➤ <u>Decentralized Forestry Management</u> ➤ <u>Change in management of CFRs to NPs (Semlki, Kibale and Mt Elgon)</u> ➤ <u>Decentralization Policy</u>
<u>1995</u>		<u>Constitution of Uganda</u> ➤ <u>Environment Act</u> ➤ <u>Wildlife Policy</u> ➤ <u>Environment Policy</u>
<u>1996</u>		<u>Wildlife Act</u>
<u>1997</u>		➤ <u>Recentralization</u> ➤ <u>Land Act</u>

		➤ <u>Collaborative Forestry Guidelines</u>
<u>2002</u>		<u>Forestry Policy</u>
<u>2004</u>	<u>National Forest Authority</u>	<u>Forest and Tree Planting Act</u>

2.4.4 Evolution of management approaches

i) Co-management and user groups (Collaborative Forest Resources Management)

Policy provisions for community participation in forest management have been implemented (mostly facilitated by civil society organisations) to a very limited scale although where this has happened, there has been significant improvement in forest status. CFM was piloted in 1998 in Mabira and Namatale CFRs, but so far, only 30 agreements, covering only about 22,000 ha (about 3% of the total area occupied by natural forests and woodlands) (NFA Annual Report 2006/7).

ii) Community Resources Management

Concerning forest areas under UWA, Community Resource Management was introduced in 1996 in Mt Elgon, Kibale, Bwindi and Mt Rwenzori Forests in response to the pressures of livelihood dependence on these forests. Formal arrangements for this collaboration are concluded in form of MoUs developed with adjacent communities. Community Resource Management in wildlife protected areas is governed by the 2003 Uganda Wildlife Policy (1999) and Act.

iii) Licensing of forest reserves for establishment of Plantation forests

The Forestry management agencies initiated arrangements for licensing communities and private individuals to plant and own trees in forest reserves in mid 1990s' under the Peri-Urban Plantation Scheme. This initiative was extended to other forest lands in early 2000. The latter has been boosted by the Saw log Production Grant Scheme (SPGS) since 2004.

Although licensing private tree growers to establish forest plantations on central forest reserves has created some success in increasing forest cover especially under the Saw log Production Grant Scheme (SPGS). Currently, a Presidential directive has put a ban on this provision and reduced license cycles from 50 to 25 years. Nonetheless private sector involvement in forestry has been quite successful and the growing interest in forest/timber certification is generating experiences that will guide carbon markets.

The provision by NFA to license (for 25 years) 10% of the plantable area within forest reserves to CFM communities has been tried only to a limited extent, but has significant potential since communities own the trees and therefore (presumably) the carbon rights.

In conclusion, there are mixed successes and failures in legal, policy and institutional frameworks. The key area of interest is that they all provide for stakeholder participation and sustainable forest management. The ban on logging in natural forests has contributed to success in safeguarding some of the forests. The change in protection status of major mountain/catchment forests of Mgahinga, Bwindi, Mt Rwenzori, Semliki, Kibale and Mt Elgon from Forest Reserve Status to national park Status greatly enhanced their legal protection.

Institutional performance in terms of efficiency and effectiveness has had teething problems. Funding and institutional capacity notwithstanding, the centralized and decentralized functions continue to pose a challenge in as far as enforcement, regulation and forest resources development are conserved.

Incentives such as CFM, CRM and Licensing for plantation establishment have succeeded at localities where they are in practice. These initiatives provide good avenues for REDD+ implementation in as far as stakeholders participation is concerned and therefore should be scaled up.

2.5 Stakeholder mapping

There is a wide spectrum of stakeholders engaged in forestry resources management and utilization in Uganda. The encompass actors at policy and regulations level to forest resource users and dependants. Table 23 presents the checklist of actors in accordance with the drivers of deforestation and forest degradation.

Table 23: Summary of key deforestation and forest degradation drivers and actors

<u>Driver</u>	<u>Actors</u>	<u>Observation</u>
<u>Charcoal</u>	<u>Private Sector/traders</u> <u>Regulating authorised</u> <u>Community</u> <u>Land Owners</u> <u>Consumers</u>	<u>↗ Mostly responding to internal and out of country markets in Sudan, Rwanda and Kenya</u> <u>↗ Difficult to regulate because of tenure of land and tree resources</u> <u>↗ Poor charcoal production technologies that are wasteful</u> <u>↗ Market prices influenced by unaffordable or lack of alternatives to charcoal energy</u>
<u>Firewood</u>	<u>Private Sector/traders</u> <u>Community</u> <u>Land Owners</u> <u>Consumers</u>	<u>↗ Mostly responding to large scale consumers – schools, hospitals, military and prisons installations, urban centres, building industry/brick making, tobacco curing</u> <u>↗ Difficult to regulate because of tenure of land and tree resources</u> <u>↗ Poor utilization technologies that are wasteful</u> <u>↗ Market prices influenced by unaffordable or lack of alternatives to charcoal energy</u>
<u>Timber</u>	<u>Private Sector/traders</u> <u>Regulating authorised</u> <u>Land Owners</u> <u>Consumers</u>	<u>↗ Mostly responding to internal and out of country markets in Sudan, Rwanda and Kenya</u> <u>↗ Difficult to regulate because of tenure of land and tree resources</u> <u>↗ Weak enforcement in forest reserved land</u> <u>↗ Poor timber production technologies that are wasteful</u> <u>↗ Market prices influenced by booming construction industry and general scarcity, especially of hard wood.</u>
<u>Agriculture</u>	<u>Land Owners</u> <u>Community</u> <u>Private Sector</u>	<u>↗ Largely subsistence and practicing bush clearing for expansion of agricultural land</u> <u>↗ Agricultural encroachment into protected areas</u> <u>↗ Competition between trees and other crops for available land</u>
<u>Livestock</u>	<u>Land Owners</u> <u>Pastoralist Groups</u>	<u>↗ Clearing of woodlands and grassland forests for pasture improvement</u>

This rich diversity of actors and stakeholders provides an opportunity for REDD-Plus implementation. At the same time, it creates responsibility of ensuring that all actors and stakeholders are well coordinated in order for REDD-Plus to succeed. The latter will require development and application of incentives and measures for stakeholder participation and benefit sharing and participation in monitoring REDD-Plus.

2.6 Proposed activities and budget for the R-PP period

The following activities are proposed under Table 24

<u>Table 24: Summary of Activity Plans and Schedule for carrying out Assessment of Land Use, Forest Policy and Governance Activities and Budget</u>					
<u>Main Activity</u>	<u>Sub-Activity</u>	<u>Estimated Cost (in thousands)</u>			
		<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>Total</u>
<u>Updating inventory data on status of forests (biomass inventory)</u>	<u>Carry out forestry mapping and inventory</u>	<u>200</u>	<u>200</u>	<u>100</u>	<u>500</u>
<u>Review community benefit sharing arrangements and fund channelling arrangements for REDD</u>	<u>Conduct review of ongoing benefits sharing arrangements</u>	<u>25</u>			<u>25</u>
	<u>Design and gazette benefit sharing and fund channelling mechanisms</u>		<u>15</u>		<u>15</u>
<u>Review of CRM/CFM approaches to improve effectiveness, efficiency and community empowerment</u>	<u>Carry out review</u>		<u>25</u>		<u>25</u>
	<u>Implement recommendations of review on a pilot basis</u>		<u>10</u>	<u>15</u>	<u>25</u>
<u>Review policies & laws relevant to REDD-Plus</u>	<u>Carry out review</u>	<u>20</u>			<u>20</u>
	<u>Develop Policy reforms paper</u>		<u>15</u>		<u>15</u>
<u>Total</u>		<u>US\$245</u>	<u>US\$265</u>	<u>US\$115</u>	<u>US\$625</u>
<u>Government</u>		<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>
<u>FCPF</u>		<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>

Uganda Draft R-PP (Revision of 4th March Informal Submission January 10, 2011)

<u>UN-REDD Programme (if applicable)</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>
<u>Other Development Partner 1 (name)</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>
<u>Other Development Partner 2 (name)</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>
<u>Other Development Partner 3 (name)</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>

2B. REDD STRATEGY OPTIONS

This component draws on the analysis provided in 2(a) and outlines potential REDD-Plus strategies to address deforestation and degradation based on that analysis. Strategies for promoting sustainable management of forests and enhancing forest carbon stocks in Uganda and for preparing national capacity for REDD-Plus are also included. The REDD-Plus strategy will be developed and finalised during the R-PP implementation period. Potential strategies for inclusion in the REDD-Plus strategies are discussed in Component 2a, section 2.8 and elaborated in Annex 2. The process for developing and finalising the REDD-Plus strategy is also provided in section 2.82-9 hereunder.

2.82.7 Potential strategies for addressing the drivers of deforestation and degradation

Potential strategies are linked to direct and indirect drivers of deforestation and degradation and are grouped under the following objectives:

- 6)a) **Objective #1:** To develop and elaborate on actions for addressing the direct ~~drivers~~ drivers and underlying causes of deforestation and forest degradation in Uganda.
- 7)b) **Objective #2:** To develop practices for sustainable forest management and conservation.
- 8)c) **Objective #3:** To define and pilot test processes for stakeholder engagement in implementing Uganda's REDD-Plus Strategy.
- 9)d) **Objective #4:** To facilitate the development of tools and methodologies for assessing and monitoring the contribution of REDD-Plus activities to sustainable forest management in Uganda.
- 10)e) **Objective #5:** To strengthen national and institutional capacities for participation in REDD-Plus. This objective seeks to define and establish national (institutional, policy and legal) and farmer level capacities for REDD-Plus Strategy implementation and for participating in Carbon market.

The potential strategic options are discussed in detail in Appendix 2 Component 2a and 2a and summarized in the Table 25- below. These options are derived from the assessment of drivers and underlying causes of deforestation and forest degradation in Uganda as well as an assessment of forest governance in Uganda (policies, legislation, institutional frameworks and stakeholder participation, among others).

Table 25-12:: Potential strategic options for inclusion in the REDD-Plus strategy

Driver	Issues	Potential Strategy	Potential Areas of Intervention
Agricultural Encroachment	✓ Largely subsistence and practicing bush clearing for expansion of agricultural land	Strategic Option #1: Strategies for addressing deforestation and forest degradation caused <u>by</u> agricultural encroachment <u>on</u>	✓ Strengthening partnerships with Communities as neighbours to protected forest areas
	✓ Agricultural encroachment into protected areas		✓ Clarification of property rights to forests and trees
	✓ Competition between trees and other crops for		✓ Agricultural intensification <u>to minimize size of land under</u>

Driver	Issues	Potential Strategy	Potential Areas of Intervention
	available land	<u>forested lands.</u>	<u>agricultural use</u> ✓ <u>Increasing land productivity per land unit</u> ✓ <u>Carry out cost-benefit analysis for maintaining land under forest management in reference to conversion of such land to agricultural use</u>
Charcoal Production	✓ Mostly responding to internal and out of country markets in Sudan, Rwanda and Kenya ✓ Difficult to regulate because of tenure of land and tree resources ✓ Poor charcoal production technologies that are wasteful ✓ Market prices influenced by unaffordable or lack of alternatives to charcoal energy	Strategic Option #2: Addressing <u>unsustainable impact of charcoal production and utilization.</u>	✓ <u>Regulating Charcoal Production and Trade</u> ✓ <u>Clarification on land and tree tenure rights on privately owned land in non-protected areas</u> ✓ <u>Improving charcoal use efficiency</u> ✓ <u>Strengthening enforcement and compliance</u> ✓ <u>Undertake policy reforms in Energy Sector to facilitate growth (through incentives) and development of affordable alternative renewable energy sources that reduce pressure on biomass energy.</u>
Firewood harvesting	✓ Mostly responding to large scale consumers – schools, hospitals, military and prisons installations, urban centres, building industry/brick making, tobacco curing, etc ✓ Difficult to regulate because of tenure of land and tree resources ✓ Utilization technologies that are wasteful ✓ Market prices influenced by unaffordable or lack of alternatives to charcoal <u>fuel wood</u> energy	Strategic Option #3: Addressing <u>impact of unsustainable firewood harvesting and utilization on forestry resources in Uganda</u>	✓ <u>Increasing biomass/trees on farmland</u> ✓ <u>Promote fuel wood use efficiency</u> ✓ <u>Promotion of alternative and affordable clean energy sources for large fuel wood consumers</u>
Timber harvesting	✓ Mostly responding to internal and out of country markets in Sudan, Rwanda and Kenya <u>and beyond</u> ✓ Difficult to regulate because of tenure of land and tree resources <u>on privately owned</u> ✓ Weak enforcement in-of <u>policies and laws in forest reserved/protected areas land</u> ✓ Poor timber production	Strategic Option #4: Strategies for addressing <u>impacts of unsustainable timber harvesting</u>	✓ <u>Forest management planning that would zone and project for timber production to meet demand whilst restocking for future needs.</u> ✓ <u>Strengthen tracking timber movements and improve on regulating trade in timber</u> ✓ <u>Improvements in forest timber harvesting and utilization technologies</u> ✓ <u>Increasing timber stocks</u>

Driver	Issues	Potential Strategy	Potential Areas of Intervention
	<p>technologies that are wasteful</p> <p>✓ Market prices influenced by booming construction industry and general scarcity, especially of hard wood</p>		<p><u>countrywide to reduce pressure to current stock, especially in natural forests</u></p> <p>✓ <u>Increase/increasing forestry resources competitiveness so as to attract investments in forestry development.</u></p>
Livestock Grazing	<p>✓ Clearing of woodlands and grassland forests for pasture improvement</p>	<p>Strategic Option #5: Strategies for addressing <u>impact of livestock development</u> -and grazing <u>on forestry resources</u></p>	<p>✓ Study to assess and analyze the impact of livestock grazing on deforestation/forest degradation in the cattle corridor.</p> <p>✓ Developing strategies for managing woodlands to avoid/minimize degradation from livestock use.</p>
Plight of Forest Dependent People	<p>✓ <u>Uncertainty over access and use of forest resources</u></p> <p>✓ <u>Uncertainty over tenure of trees and carbon in protected areas occupied or recognized to provide for livelihoods to forest dependent people</u></p> <p>✓ <u>Unconfirmed impacts of deforestation and forest degradation on forest dependent people</u></p>	<p>Strategic Option #6: Strategies for <u>securing the plight of forest dependent people during REDD+ -Plus implementation in Uganda, reducing risks of deforestation and forest degradation on to vulnerable peoples</u></p>	<p>✓ <u>Assess the likely impact of deforestation and forest degradation on forest dependent people in Uganda</u></p> <p>✓ <u>Assess forest and carbon tenure and right of forest dependent people to carbon.</u></p> <p>✓ <u>Review forest policies and regulations to provide for access and use of forest by forest dependent people during REDD-Plus implementation.</u></p>
	<p>✓ Benefits to Forest dependent people</p>	<p>Strategic Option #7: Strategies for reducing risks of mitigation measures against deforestation and forest degradation on to <u>vulnerable forest dependent peoples</u></p>	<p>✓ <u>Integrate forest dependent people benefits within SESA.</u></p>
<p><u>Undefined Poorly defined modalities for stakeholder engagement</u></p>	<p>✓ <u>Ensuring effective Stakeholder participation in REDD-Plus and Forestry resources management</u></p> <p>✓ Cost effective approaches to community participation <u>in forestry management</u></p> <p>✓ Cost effective approaches to private sector participation <u>in forestry resources development and</u></p>	<p><u>Strategic Option #8: Develop and pilot test processes for stakeholder engagement in implementing REDD - Plus Strategies</u></p>	<p>✓ Assessment of the CFM/CRM initiatives and policy guidelines with the view to strengthen benefit sharing issues, mapping out of potential CFM/CRM areas and identifying ways of ensuring a cost-effective negotiation process.</p>

Driver	Issues	Potential Strategy	Potential Areas of Intervention
	<u>utilization and carbon market</u>		<ul style="list-style-type: none"> ✓ Assessment of options for widening the private sector engagement e.g., in forest management, aggregating REDD carbon, brokering, or buying the REDD projects. ✓ Developing procedures and capacities for ensuring equitable and transparent implementation of REDD-Plus in partnership with CSOs. ✓ Developing procedures for socio-economic monitoring of REDD activities in partnership with universities and UBOS. ✓ Generating lessons and sharing experiences from NGO Carbon initiatives and projects in order to identify success stories to inform REDD-Plus.
Tools and methodologies for assessing and monitoring REDD-Plus contribution towards forestry management in Uganda	<ul style="list-style-type: none"> ✓ Inadequate Capacity to <u>assess REDD-Plus contribution to Sustainable forest management in Uganda</u> ✓ Weak coordination among various actors <u>in forestry management</u> 	Strategic Option #19: <u>Design and apply Strategies-MRV for Uganda for building capacity for assessing and monitoring REDD-Plus activities contribution.</u>	<ul style="list-style-type: none"> ✓ <u>Design MRV System</u> ✓ <u>Undertake capacity needs assessment for developing and applying the MRV and design and implement capacity building strategy/programme</u> ✓ <u>Generate and disseminate knowledge about REDD-Plus</u> — <u>Gap analysis of Information-management capacity and capacity to utilize the information to design and implement research; information management capacity building for REDD-Plus.</u> <p>Capacity building of lead agency (FSSD).</p>

Driver	Issues	Potential Strategy	Potential Areas of Intervention
	Compatibility of REDD-Plus MRV&E and existing M&E Systems	Strategic Option #102: <u>Strategies for integrating MRV into monitoring and evaluation of REDD-Plus activities into existing M&E systems and practices</u>	<ul style="list-style-type: none"> ✓ <u>Developing and testing-pilot community based REDD-Plus monitoring tools and capacities with relevant institutions and selected communities.</u> ✓ <u>Developing and testing-pilot procedures for monitoring of co-benefits of REDD-Plus implementation.</u> ✓ <u>Integrate MRV into M&E systems as appropriate</u>
	<u>Understating the concept of Carbon leakages and how to prevent it in Uganda context</u>	<u>Strategic Option #11: Develop and apply measures for minimizing Carbon leakages</u>	<ul style="list-style-type: none"> ✓ <u>Assess the risks and likely occurrence of leakages</u> ✓ <u>Design and pilot test measures for addressing leakages</u>
Policy, legal, institutional framework policy, legal, institutional and human capacities	<ul style="list-style-type: none"> ✓ <u>Inadequacies provisions for stakeholder participation, tenure and ownership of carbon and carbon trade</u> ✓ <u>Institutional capacities for implementing REDD-Plus</u> ✓ <u>Institutional capacities for enforcing forestry policies and legislation</u> 	Strategic Option #12: <u>Strengthen Legal, Policy and Institutional frameworks for REDD-Plus and regulating Carbon market in Uganda in place.</u>	<ul style="list-style-type: none"> ✓ <u>Strengthen Law enforcement capacities and measures</u> ✓ <u>Undertake reviews to identify reforms for strengthening policy, legal and institutional framework for REDD-Plus implementation</u> <p><u>Addressing legal gaps in forest management</u></p>
		Strategic Option #132: <u>Strategies for building capacity for REDD-Plus Strategy implementation</u>	<ul style="list-style-type: none"> ✓ <u>Carry out Capacity needs assessments of lead agencies and; design Capacity building programme</u> ✓ <u>ling and implementing capacity building for REDD-Plus.</u>

2.92.8 Description of the Process for developing and assessing the REDD-Plus Strategy options during 2011-20143.

The process for developing, validating and finalizing the REDD-Plus Strategy will involve assessment of the potential strategies outlines above, generating additional information as necessary to refine the strategies, prioritization and selection of strategies that are most likely to be successful and most cost effective, selection of strategies and sites for pilot testing as necessary during the R-PP period, consulting stakeholders on strategic choices, testing and evaluating results, evaluating social and environmental impacts of proposed strategies, and finalization of the REDD-Plus strategy through a consultative process.

The process of developing the REDD Plus Strategy will be led by a task force under the direction of the REDD Focal Point as described in Component 1a. and apply the Consultations and Participation Strategies defined under Section 1.7.1

The proposed steps to be undertaken during the R-PP implementation phase leading to finalization of the REDD-Plus Strategy are described below.

1. Assign the task of developing the REDD-Plus Strategy to the relevant task forces. This is the action by the National Focal Point with approval from REDD Steering Committee.
 - a. Develop the terms of reference for the task force
 - b. Designate task force membership and lead person
2. Initiate work of the task force
 - a. Hold initial task force meetings; develop the work plan for the task force for the R-PP period leading to completion of the task.
 - b. Assess potential strategic options proposed in the R-PP and assess needs for additional information required to inform the design of the strategy, including proposals for early implementation of pilot or demonstration activities.
 - c. Designate experts and collect additional information and perform the analyses required.
 - d. Select strategies and activities for piloting and testing.
3. Hold first consultative workshop to ensure stakeholder involvement and create the necessary linkages between the task force, National REDD-Plus Steering Committee and key stakeholder groups.
4. Begin early implementation of pilot strategies.
 - a. Finalise plans for early implementation activities and carry SESA on the proposed activities.
 - b. Approval of National REDD-Plus Steering Committee for implementation of proposed implementation of the activities proposed.
 - c. Establish the mechanisms on the ground for coordination and management of the proposed activities to ensure appropriate accounting, oversight, and transparency in the implementation of the activities.
 - d. Implement activities.
5. Evaluate and monitor outcomes of early implementation activities.
 - a. Design a TOR and contract an external consultant to the Task Force to evaluate the outcomes and lessons learned.
 - b. Generation of progress reports from implementation activities, and in due course final reports assessing the impacts.
6. Develop and finalise the National REDD-Plus Strategy, based on those strategies that are deemed suitable for inclusion in national strategy.
 - a. Carry out economic analysis to determine cost effectiveness of the proposed REDD-Plus+ strategies on a national scale.
 - b. Carry out evaluation and consultation workshops, incorporate feedback.

- c. Review the policy, legal and institutional structures framework for suitability for implementing the proposed strategies.
- d. Finalise the Draft Strategy for review by the National Steering Committee and stakeholder groups.
- e. Endorsement of the Strategy by REDD-Plus Steering Committee.

7. Publicity and awareness activities to inform the public and stakeholders of the approved REDD-Plus Strategy for Uganda.

7.

Table 26-13: Summary of Activity Plans and Schedules for Developing REDD-Plus Strategies and Budget

Main Activity	Sub-Activity	Estimated Cost (US\$)				
		Lead	2012	2013	2014	Total
Assign the task of developing the REDD-Plus Strategy to the relevant task forces	Develop the terms of reference for the task force	REDD Focal Point	25	-	-	25
	Designate task force membership and lead person	REDD Steering	10	-	-	10
Initiate work of the task force	Hold initial task force meetings, develop the <u>workplanwork plan</u> for the task force for the R-PP period leading to completion of the task	REDD Focal Point	60	-	-	60
	Assess potential strategic options proposed in the R-PP and assess needs for additional information required to inform the design of the strategy, including proposals for early implementation of pilot or demonstration activities	REDD Focal Point	135	-	-	135
	Designate experts and collect additional information and perform the analyses required	REDD Steering	210	-	-	210
	Select strategies and activities for piloting and testing.	REDD Steering	20			
Hold consultative workshops to ensure stakeholder involvement	Hold consultative workshops to ensure stakeholder involvement	REDD Focal Point	60	30	30	120
Begin early implementation of pilot strategies	Finalise plans for early implementation activities and carry SESA on the proposed activities	REDD Focal Point	210	30	30	270

Uganda Draft R-PP (Revision of 4th March Informal Submission January 10, 2011)

	Approval by National REDD+ Steering Committee for implementation of the activities proposed	REDD Steering	20	10	10	40
	Establish the mechanisms on the ground for coordination and management of the proposed activities to ensure appropriate accounting, oversight, and transparency in the implementation of the activities	REDD Focal Point	135	60	60	255
	Implement activities in the Strategy (to be cross-linked with other component budgets but may include: addressing drivers, assuring co-benefits, setting appropriate SMF standards, law enforcement, institutional support, and integration integration in other sectoral programs)	Implementing Agencies	210	2,000	2,000	4,210
Evaluate and monitor outcomes of early implementation activities	a. Design a TOR and contract an external consultant to the Task Force to evaluate the outcomes and lessons learned	REDD Focal Point	210	135	135	480
	b. Generation of progress reports from implementation activities, and in due course final reports assessing the impacts (cross-linked with the Focal Point costs)	REDD Focal Point	0	-	-	-
Develop and finalise the National REDD-Plus Strategy	a. Carry out economic analysis to determine cost effectiveness of the proposed REDD-Plus strategies on a national scale	REDD Focal Point	210	135	135	480
	b. Carry out evaluation and consultation workshops, incorporate feedback	REDD Focal Point	60	60	60	180
	c. Review the institutional structures for suitability for implementing the proposed strategies	REDD Focal Point	210	-	-	210
	d. Finalise the Draft Strategy for review by the National Steering Committee and stakeholder groups (cross-linked with the Focal Point costs)	REDD Focal Point	0	-	-	-
	e. Endorsement of the Strategy by REDD-Plus Steering Committee (cross-linked with other REDD -Plus Steering Committee Coests)	REDD -Plus Steering committee	0	-	-	-
Publicise the approved strategy	Publicity and awareness activities to inform the public and stakeholders of the approved REDD- Plus + Strategy for Uganda	REDD Focal Point	300	300	300	900
Total			US\$2,085	US\$2,760	US\$2,760	US\$7,605
Domestic Government			US\$-	US\$-	US\$-	US\$-

Uganda Draft R-PP (Revision of 4th March Informal Submission January 10, 2011)

FCPF	<u>US\$</u> -\$	<u>US\$</u> -\$	<u>US\$</u> -\$	<u>US\$</u> -\$	<u>US\$</u> -\$
UN-REDD Programme (if applicable)	<u>US\$</u> -\$	<u>US\$</u> -\$	<u>US\$</u> -\$	<u>US\$</u> -\$	<u>US\$</u> -\$
Other Development Partner 1 (name)	<u>US\$</u> -\$	<u>US\$</u> -\$	<u>US\$</u> -\$	<u>US\$</u> -\$	<u>US\$</u> -\$
Other Development Partner 2 (name)	<u>US\$</u> -\$	<u>US\$</u> -\$	<u>US\$</u> -\$	<u>US\$</u> -\$	<u>US\$</u> -\$
Other Development Partner 3 (name)	<u>US\$</u> -\$	<u>US\$</u> -\$	<u>US\$</u> -\$	<u>US\$</u> -\$	<u>US\$</u> -\$

2C. REDD IMPLEMENTATION FRAMEWORK

The general objective of this component is to develop the institutional framework that will implement and coordinate the REDD-Plus Strategy and ensure multi-stakeholder participation during the implementation phase. The design of the REDD - Plus implementation framework builds on descriptions under component 2(b) which will implement the R-PP during 2012-2014. It will consider the following aspects among others: The proposal is to define a more robust institutionalized structure and process that meets the implementation needs for the REDD-Plus Strategy.

~~The undertaking will aim at ensure an inclusive participation by all stakeholders at all levels across the country. It will define accountability structures as well as coordination and supervision, and, monitoring and reporting systems depicting stakeholder's participation. The final description of this undertaking will be approved by an appropriate authority so as to accord it the necessary recognition.~~

2.9 Implementation strategy

The R-PP shall be implemented as a framework for developing, assessing and prioritizing various REDD-Plus strategy options that will address drivers of deforestation and forest degradation as outlined in Component 2(a) from which all Implementing Institutions shall derive action corresponding to their assigned tasks (Component 1 a. The overall implementation responsibility shall be coordinated by the MWE as a convener and facilitator for the R-PP process for Uganda.

In order to ensure cost-effective implementation of R-PP, the following strategies shall be deployed:

- a) **Institutional strengthening:** A key element of R-PP implementation approach will be to strengthen institutional capacities, and build mechanisms for collaboration between and among Implementing institutions and REDD-Plus Partners including NGOs and private sector. The R-PP budget shall contribute to institutional strengthening through imparting technical skills and the development of appropriate REDD-Plus tools and methodologies. Expertise within REDD-Plus Partners institutions shall be used as appropriate and complemented by externally sources expertise.
- b) **Integration of REDD-Plus Strategy into national development and sectoral plans and programmes:** R-PP implementation will seek to integrate REDD-Plus Strategies into Water and Environment Sector Investment Plan and related Sectoral Plans such as Agriculture and Land.
- c) **Collaboration and participation:** R-PP implementation will seek participation of the stakeholder institutions, both government and non-government, at field and national levels. This collaboration targets to capture synergies, mandates and capacities increased impact. This aspect will be enhanced through development of tools and procedures for collaboration and or joint action.
- d) **Monitoring and evaluation:** R-PP implementation will be monitored to measure progress and address shortcoming as they arise. One of the principles of this M&E is action learning and integration of lessons learnt into subsequent work plans and implementation approaches.

e) Ensuring REDD-Plus compliant investments: all R-PP activities shall be subjected to REDD-Plus Guidelines and Standards as appropriate.

f) Integrating Cross cutting issues: the following cross-cutting issues will be integrated into R-PP implementation at policy and activity levels: Gender, HIV/AIDs, Culture and Poverty. Integration will be achieved at annual work planning levels. Measurements for the progress on these issues will be integrated into annual M&E indicators.

2.10 Capacity needs for R-PP implementation

R-PP implementation requires institutional and individual technical capacities in various areas and sufficient operational funds. Technical capacities will be required in developing tools and methodologies for REDD-Plus, information management and analysis, participatory planning and engagement processes, developing Carbon market, setting up demonstration projects, among others. Civil education and awareness and outreach programs are necessary to get REDD-Plus understood.

Research and information management capacity will also need to be strengthened to enable cost-effective planning. The country needs to define (and demarcate) key focus areas for REDD-Plus where the potential for REDD-Plus is feasible financially, socially and politically. Information is especially needed on relevant activities and their effectiveness in achieving emission reduction from deforestation and forest degradation. Additional capacity needs areas encompass management of relations with UNFCCC, REDD-Plus processes and partnerships and technical bodies.

2.11 Funding arrangements

The R-PP implementation shall be funded from three major sources.

- a) Funding from Implementing institutions through operational budgets provided by government or own generated funds for institutional type activities e.g., FSSD, NFA, MWE and Districts.
- b) Donor funding e.g., FCPF
- c) Private sector for investments suitable to development and managed under private sector (including NGO) arrangements).

The Ministry of Water and Environment shall receive, manage and account for externally funded activities of the R-PP implementation budget. Systems for regular reporting, communication and participatory planning shall be developed and applied so as to ensure transparency in funds allocation and utilization.

2.12 Accountability measures

R-PP implementation will maintain transparency in decision-making processes at work planning, budgeting, reporting and monitoring, ensuring that stakeholders get involved in decision making processes as appropriate and are kept informed of progress and future plans. The REDD-Plus Steering Committee shall serve a crucial purpose in this regards. This approach is fundamental to ensuring accountability, developing, maintaining and improving rapport between the institutions involved in R-PP implementation.

2.13 Risks and Assumptions

There are risks that could render the R-PP implementation difficult or unattainable. The risks in question are those events with possibility to occur and affect the achievement of the R-PP objectives and outputs, either negatively or positively. Therefore, an assessment of these risks will be carried out, involving identification of the likely effect and probability or likelihood of these risks occurring.

The following risks are foreseen:

- a) **Inadequate institutional capacity:** This is likely to affect aspects of fulfilling institutional mandates and obligations such as adherence to quality and standards expected by REDD-Plus. This risk could be addressed through the institutional capacity strengthening and development and application of standard tools and methodologies for REDD-Plus.
- b) **Political support:** the current political support may be guaranteed over the long term. However, national priorities may require flexibility to accommodate future changes in policy regarding land and forestry resources development and management. It will be strategic to work towards positioning the R-PP as an effective tool for defining future sustainable forest management on aspects directly contributing towards reducing emissions from deforestation and forest degradation.

The R-PP implementation also takes into account the following assumptions:

- a) **Identified drivers and effects of deforestation and forest degradation are credible and worthy foundations for future REDD-Plus Strategy for Uganda.**
- b) **There is sufficient legal, policy and institutional framework to permit and facilitate the R-PP Implementation.**
- c) **There will be resources (financial, technical and political leverage) to facilitate the implementation of R-PP.**
- d) **The R-PP will be recognized as a tool and process for defining future investments into addressing deforestation and forest degradation in Uganda.**

Considering that the above description is incomplete, it is proposed to define a more robust institutionalized structure and process that meet the implementation needs for the REDD-Plus Strategy. This structure and process will ensure an inclusive participation by all stakeholders at all levels across the country. It will define accountability structures as well as coordination and supervision, and, monitoring and reporting systems depicting stakeholder's participation. A final description of this undertaking will be approved by an appropriate authority so as to accord it the necessary recognition.

2.1.40 Terms of Reference for designing a National REDD –Plus Implementation Framework in Uganda

The process of defining Uganda's National REDD-Plus implementation framework will be spearheaded by the REDD-Plus R-PP implementation Steering Committee. The process will be consultative in nature and involve stakeholders with relevant mandates on the strategies that will be developed. It will define among others institutional mandates, coordination and monitoring systems, reporting and accountability, financing mechanisms and funds channelling, Conflicts resolution and grievances management procedures among others issues.

The definition of the Framework will involve the following steps:

- a) Carrying out a Situational analysis of policy legal and institutional set up by the REDD-Plus National Focal Point with possible assistance from the National Technical Committee and respective Task Forces.
 - a) —
 - b) Carrying out Consultation with Stakeholders on suitable institutional set up. Consultations shall be guided by the Consultations and Participation Strategy (section 1.7.1). The final recommendation on Implementation Framework shall be processed via the REDD Steering Committee.
- b) Conducting an scoping and analysis of changes needed
- c) Assessment of the options for provision of incentives for REDD-Plus action including the delivery mechanisms. options for fund management Considering that Uganda does not have such an incentive system and associated delivery mechanisms (e.g., financial management and accounting system for Carbon funding), the Steering Committee shall issue Terms of reference for carrying out the assessment of various options and for recommending most suitable arrangements for approval. A relevant Taskforce shall be established to facilitate this work. It is probable that the National Focal Point will hire technical experts to assist with this undertaking. The key elements of this assessment will be ensuring that Stakeholders have been consulted and their inputs considered, available funding structures have been explored and their suitability exhausted and that formal government approval of the recommended structure is secured. The funding system will be expected to appraise the need for a national Carbon Registry and a Registry of all REDD-Plus projects for purposes of transparency in accounting and as an information sharing platform.
- d) Conducting an Assessment of Capacity needs for implementing REDD-Plus Strategy. The REDD Steering Committee shall issue Terms of Reference for carrying out a comprehensive assessment of available capacities to implement the various components of the REDD-Plus Strategy. A capacity building programmes that addresses policies/legal framework, institutional facilities and systems, human resources will be designed and implemented. The capacity needs assessment shall take into account the REDD-Plus Strategies and their implementation needs and requirements.
- e) Designing and publishing the Implementation framework and budget. The Implementation framework shall also describe a Monitoring and Evaluation system and accountability measures.

2.15 Implementation Schedule and budget

- e) —
- d) — Consolidation and writing of the strategic and detailed vision
- e) — Writing of draft texts of reform
- f) — Study on required management capacity and skills
- g) — Supporting the first implementation phase of the programme
- h) — Training and lobbying
- i) — Consultations and completion of legal texts
- j) — Institutional administrative costs
- k) — Monitoring of the implementation

Table 2714: Summary of Activity Plans and Schedule for developing REDD-Plus Implementation Framework and Budget

Main Activity	Sub-Activity	Estimated Cost (US\$)				
		Lead	2012	2013	2014	Total
Develop REDD-Plus Implementation Framework	Situational analysis – policy legal and institutional set up	REDD Focal Point	30	-	-	30
	Consultation scoping and analysis of changes needed	REDD Focal Point	-	20 20	-	20
	Assessment of options for fund management	REDD Focal Point	-	30 30	-	30
	Consolidation and writing of the strategic and detailed vision	REDD Focal Point	-	-	20 20	20
	Writing of draft texts of reform	REDD Focal Point	-	-	100 100	100
	Study on required management capacity and skills	REDD Focal Point	25	25 25	-	50
	Supporting the first implementation phase of the programme	REDD Focal Point	-	-	200 200	200
	Training and lobbying	REDD Focal Point	30	30 30	30 30	90
	Consultations and completion of legal texts	REDD Focal	-	50 50	50 50	100

Uganda Draft R-PP (Revision of 4th March Informal Submission January 10, 2011)

	Point				
Institutional administrative costs	REDD Focal Point	20	20 20	20 20	
Monitoring of the implementation	REDD Focal Point	=	=	30 30	
Total		US\$85	US\$155	US\$400	US\$640
Domestic Government		US\$	US\$	US\$	US\$
FCPF		US\$	US\$	US\$	US\$
UN-REDD Programme (if applicable)		US\$	US\$	US\$	US\$
Other Development Partner 1 (name)		US\$	US\$	US\$	US\$
Other Development Partner 2 (name)		US\$	US\$	US\$	US\$
Other Development Partner 3 (name)		US\$	US\$	US\$	US\$

2 D. SOCIAL AND ENVIRONMENTAL IMPACTS

SESA is a tool that seeks to integrate social and environmental considerations into the policy-making process, leading to sustainable policies and programs. The aim of SESA is to assess the likely positive and negative impacts of the REDD-Plus strategy options and implementation framework that have been identified in Components 2b and 2c or that will be identified in the course of preparation work. Social and Environmental assessments are aimed at minimizing or eliminating negative impacts or duly compensating negative consequences if these are inevitable, while elaborating on means of creating benefits for people and the environment.

The process of identifying negative impacts and suggesting mitigation measures will be integrated in the course of preparation of other components of the R-PP, particularly components 2d and 2c, as a means of ensuring that the World Bank Safeguards are incorporated from the onset rather than later. World Bank Safeguard Policies are designed to avoid, limit and/or mitigate harm to people and the environment, and strive to achieve benefits instead. An Environmental and Social Management Framework (ESMF) will be prepared to guide the incorporation of social and environmental safeguards in the course of preparing the R-PP. The main output of this write up is terms of reference that include an action plan for the preparation of the ESMF that will be prepared later.

2.112.16 The Social Environmental Impact Assessment process

2.161.1 Measures for coping with World Bank Safeguards policies

In the Ugandan context, SESA would aim at ensuring that the REDD-Plus strategy options comply with the following World Bank safeguard policies:

- a) **Environmental Assessment (OP 4.01)**—takes into account the natural environment (air, water and land); human health and safety; social aspects (involuntary resettlement, indigenous peoples and physical cultural resources) and trans-boundary and global environmental aspects. Environmental assessment (EA) considers natural and social aspects in an integrated way. EA aims at preventing, minimizing, mitigating or compensating for adverse environmental impacts. Whenever feasible, preventive measures are preferred over mitigation or compensatory measures.
- b) **Natural Habitats (OP 4.04)**, —~~t~~his policy takes cognizance of the fact that conservation of natural habitats just like other measures that protect and enhance the environment, is important for long-term sustainable development. The proposed REDD-Plus strategies are largely in compliance with this policy given that they seek to protect or promote the sustainable use of natural forests.
- c) **Forests (OP 4.36)** —~~t~~his policy observes that the management, conservation and sustainable development of forest ecosystems and their associated resources are essential for lasting poverty reduction and sustainable development, whether located in countries with abundant forests or in those with depleted or naturally limited forest resources. The objective of this policy is to assist borrowers to harness the potential of forests to reduce poverty in a sustainable manner, integrate forests effectively into sustainable economic development, and protect the vital local and environmental services and values of forests. Where forest restoration and plantation development are necessary to meet these objectives, the bank assists borrowers with forest restoration activities that maintain or enhance biodiversity and ecosystem functionality.

The Bank also assists borrowers with the establishment and sustainable management of environmentally appropriate, socially beneficial, and economically viable forest plantations to help meet growing demands for forest goods and services.

- d) **Involuntary Resettlement (OP 4.12)**—~~T~~this particular policy observes that involuntary resettlement may cause severe long-term hardship, impoverishment, and environmental damage unless appropriate measures are carefully planned and carried out. Taking into account that for REDD-Plus to succeed there would be a need to reverse the current level of encroachment on Central Forest Reserves and this could involve evicting people, this policy is applicable to Uganda's situation.
- e) **Indigenous Peoples (OP 4.10)**—~~T~~this policy is aimed at contributing to World Bank's mission of poverty reduction and sustainable development by ensuring that the development process fully respects the dignity, human rights, economies, and cultures of Indigenous Peoples. This policy calls for free, prior and informed consultation that should result in broad community support to the project by the affected indigenous peoples. This policy also emphasizes that World Bank financed projects be designed in such a way as to ensure that the Indigenous Peoples receive social and economic benefits that are culturally appropriate and gender and inter-generationally inclusive.

~~f~~ The concept of "indigenous people" is not relevant in Uganda's context largely because of absence of foreign settler communities on indigenous peoples' land. However, the safeguards under this policy could be applied to the poor, marginalized and vulnerable communities that directly depend on forest resources for their livelihood.

- ~~g~~f **Pest Management (OP 4.09)** - The focus of this policy as used in the context of this R-PP is on agricultural pest management. In Bank-financed agriculture operations, pest populations are normally controlled through IPM approaches, such as biological control, cultural practices, and the development and use of crop varieties that are resistant or tolerant to the pest. The Bank may finance the purchase of pesticides when their use is justified under an IPM approach.

The Environment and Social Management Framework is a useful tool that will be used to guide the process of incorporating the safeguards for identified negative impacts in the course of R-PP formulation. The ESMF is the instrument that provides the necessary guidance to identify salient environmental and social issues early on, prepare, as needed, remedies and plans to address these issues, and monitor implementation. Terms of reference and an action plan for preparation of the ESMF have hence been prepared in the subsequent sections.

2.16.2 Procedure for considering the WB safeguard standards

In the process of carrying out the stakeholder interviews in the different ecological zones as suggested in the ToRs possible impacts associated with proposed REDD Strategy Options will be generated. Given the sensitivity and diversity of potential impacts that are likely to result from implementation of the REDD strategy options, they will be categorized in the three different categories "A", "B" and "C" in accordance with World Bank Environmental Operation Procedures and relevant updates (Box 1). In general, Category A projects are subjected to a full EIA, while category B projects require limited EIA and category C projects require no EIA. The main focus of the ESMF will be on the Strategy Options that were categorized as "A" and "B". Appropriate mitigation measures for impacts associated with strategy options categorized as "A" or "B" will then be suggested aimed at ensuring that the corresponding WB standards are met. In cases where the

anticipated impacts of certain strategy options are projected to be adverse or severe, adjustments could be suggested to the strategy options themselves.

2.17 Some provisions of Uganda's Policies and Laws relevant to REDD

a) Uganda's Forest Sector Guiding Principles as derived from the Forestry Policy (2001)

The following general principles guided the formulation of Uganda's Forestry Policy (2001), building on the government's national development priorities of poverty eradication and good governance:

- i. **National Objectives:** the Forestry Policy is consistent with the general principles guiding sustainable development found in the Constitution and Vision 2025.
- ii. **Conservation and sustainable development:** Uganda's forests should be managed to meet the needs of the current generation without compromising the rights of future generations.
- iii. **Livelihoods and poverty:** the improvement of people's livelihoods should be a major goal in all the strategies and actions for the development of the forest sector, so as to contribute to poverty eradication.
- iv. **Biodiversity and environmental services:** the forest sector's development should safeguard the nation's forest biodiversity and environmental services through effective conservation strategies.
- v. **Partnerships in governance:** new institutional relationships should enhance efficiency, transparency, accountability and professionalism, and build confidence in all forest stakeholders.
- vi. **Gender and equity:** to ensure the active participation of all people and affirmative action of all women, young people, the elderly, vulnerable or disadvantaged groups in the sector's development.
- vii. **Cultural and traditional institutions:** forest sector development should take into consideration cultural and traditional attributes and institutions.
- viii. **International Obligations:** legislation should be developed to support the implementation of current and future international commitments that affect the forest sector.
- ix. **Forestry valuation:** environmental and social values should be used in cost/benefit valuations when assessing strategies to implement the Forestry Policy.

b) Sections of Laws relevant to SESA

Although Uganda has not yet developed guidelines for Strategic Environmental Assessments, some aspects from existing legislation are applicable to the planned SESA for REDD+. Section 38 of The National Forestry and Tree Planting Act, 2003 requires any person intending to undertake a project

or activity, which may, or is likely to have a significant impact on a forest to undertake an environmental impact assessment (EIA). The EIA is itself done in accordance with provisions of the National Environment Act (NEA), Cap 153 (1995); Schedule 3 of the NEA states projects that are subject to detailed EIA including under Section 7 (c), reforestation and afforestation projects, and, under Schedule 8 (a) large-scale agriculture 8(b) use of new pesticides 8(c) introduction of new crops and animals and 8(d), use of fertilizers. Section 13 of the NEA requires an EIA for Natural Conservation areas including under 13 (c) formulation or modification of forest management policies, 13 (f) commercial exploitation of natural fauna and flora and 13 (g) introduction of alien species of fauna and flora into ecosystems. Section 34 (1) of the Environmental Impact Assessment Regulations, 1998, states that “an EIA of a policy under these regulations does not exclude the need to assess the environmental impact of specific projects proposed in accordance with the policy.

Box 1-1: Projects that fall under Category A, Category B and Category C

Box 1a: Category A projects

The projects or components included in this list are likely to have adverse impacts that normally warrant classification in Category A.

- Aquaculture and mariculture (large-scale)
- Dams and reservoirs
- Forestry production projects
- Hazardous waste management and disposal
- Industrial plants (large-scale) and industrial estates, including major expansion, rehabilitation, or modification
- Irrigation, drainage, and flood control (large-scale)
- Land clearance and leveling
- Manufacture, transportation, and use of pesticides or other hazardous and/or toxic materials
- Mineral development (including oil and gas)
- New construction or major upgrading of highways or rural roads
- Port and harbor development
- Reclamation and new land development
- Resettlement
- River basin development
- Thermal power and hydropower development or expansion
- Water supply and wastewater collection, treatment and disposal projects (large-scale)

Box 1b: Category B projects

The following projects and components may have environmental impacts for which more limited EA is appropriate.

- Agro-industries (small-scale)
- Electrical transmission
- Energy efficiency and energy conservation
- Irrigation and drainage (small-scale)
- Protected areas and biodiversity conservation
- Rehabilitation or maintenance of highways or rural roads
- Rehabilitation or modification of existing industrial facilities (small-scale)
- Renewable energy (other than hydroelectric dam)
- Rural electrification
- Rural water supply and sanitation
- Tourism
- Watershed projects (management or rehabilitation)

Box 1c: Category C projects

These projects are likely to have negligible or no environmental impacts. EA is normally not required.

- Education
- Family planning
- Health
- Institution development
- Most human resources projects
- Nutrition

2.181-2 Framework for integrating social and environmental considerations into REDD –Plus strategy and its implementation

The integration of the Social and Environmental considerations shall be handled using the Environment and Social Management Framework tool (ESMF). This tool will be used to guide the process of incorporating the safeguards for identified negative impacts. The tool provides the guidance to identify salient environmental and social issues early on, prepare, as needed, remedies and plans to address these issues, and monitor implementation. The following Terms of Reference will be used to prepare the ESMF for REDD Readiness for Uganda (Table 28:15).

Table 28:15 Terms of Reference for the development of ESMF

Terms of Reference for Preparation of the Environment and Social Management Framework
<p>1. Objective of the ESMF</p> <p>The over-all objective of this undertaking is to develop a comprehensive Environmental and Social Management Framework (ESMF) for REDD Plus for Uganda.</p> <p>The Uganda ESMF will be prepared to ensure proper assessment and mitigation of potential adverse environmental and social impacts, likely to arise out of the implementation of REDD –Plus Strategy. The process of preparing the ESMF will also be used to make adjustments to REDD - Plus Strategy Options that are considered to have adverse negative impact on forest dependent people, particularly the marginalized and vulnerable groups amongst them, in the spirit of “doing no harm” and “enhancing good”.</p>
<p>2. Process for developing the ESMF</p> <p>2.1 Reference to previous studies and initiatives</p> <p>Development of the ESMF will require a review of previous studies and initiatives undertaken especially with respect to forest dependent people. The following are recommended, among others:</p> <ul style="list-style-type: none">a) Studies such as the consultations undertaken by IUCN with the Benet in the Mount Elgon region of eastern Uganda and by CARE with the Batwa in South-western Uganda during R-PP formulation.b) The background paper for a forest governance workshop held in Kampala, Uganda in June 2010 and titled: “In Search of Forest Governance Reform in Uganda”.c) Lessons learnt from the “Forests Absorbing Carbon-dioxide Emissions Foundation (FACE) Project that is being implemented in the Mount Elgon National Park area in Eastern Uganda and Kibale Forest National Park in western Uganda.d) August 2010 version of the SESA Report for component 2(b) that was prepared by this consultant and that contains a generic ESMF.e) The REDD-Plus Environmental and Social Standards developed by the Climate, Community and Biodiversity Alliance (CCBA) and CARE International, through a consultative process and carried out in selected REDD-Plus potential countries (http://www.climate-standards.org/REDD+/).
<p>2.2 Principles to be applied</p> <p>The following is the set of principles as stated in the guidelines and customized to fit Uganda’s context:</p> <ul style="list-style-type: none">a) Rights to lands and resources therein (including trees and physical cultural resources) are recognized and respected by the REDD-Plus Strategy.b) The benefits of the REDD-Plus program are shared equitably among all relevant rights holders and stakeholders.c) The REDD –Plus Strategy improves long-term livelihood security and well-being of Indigenous

Peoples and local communities with special attention to the most vulnerable people.

- d) The REDD-Plus Strategy contributes to broader sustainable development, respect and protection of human rights and good governance objectives.
- e) The REDD-Plus Strategy maintains and enhances biodiversity system services.
- f) All relevant rights holders and stakeholders participate fully and effectively in the REDD-Plus Strategy and implementation.
- g) All rights holders and stakeholders have timely access to appropriate and accurate information to enable informed decision-making and good governance of the REDD-Plus program.
- h) The REDD-Plus program complies with applicable local and national laws and international treaties, conventions and other instruments.

3. Piloting ESMF formulation

A preliminary ESMF will be developed through assessment of impacts at selected pilot sites, particularly those that will be developed under component 2a. A participatory approach will be adopted that involves forest dependent people, particularly the section of marginalized and vulnerable. The pilot sites are expected to be developed using a Criteria to be defined under section 2.83-3.4. An ESMF will be prepared for each of these regions that will later be integrated into a national ESMF. Each of the ESMFs will then be presented to fully representative stakeholder workshops in order to capture the views of all stakeholders. The national ESMF will then be prepared based on the refined ESMFs from Consultations at the lower levels.

4. Methods of assessing Environmental and Social Impact

Social and Environmental Impacts will be carried out using a combination of analytical and consultative/participatory methods. The analytical methods will draw from direct observation, trend analysis and review of literature among others. On the other hand the participatory methods will include Key informant interviews, and interviews with identified and prioritized stakeholders especially forest dependent people such as the Benet in Eastern Uganda (Mount Elgon National Park) and the Batwa in South Western Uganda (Bwindi and Mgahinga National Parks)

5. Linking SESA to MRV system

The MRV system should include a spatial representation of indicators of anticipated impacts that are measurable and quantifiable in space and time. Previous time series data on deforestation and forest degradation trends (without REDD-Plus interventions) could be used as the baseline for purposes of comparing projected scenarios with the past and present. Validation of projected impacts would be done using real time geo referenced points to determine the extent to which projected impacts reflect the actual impacts and whether suggested mitigation measures were appropriate.

6.4. Required output

The ESMF to be prepared will provide a summary of the environmental and social assessment of the REDD-Plus Strategy options through which the potential impacts and their mitigation measures were identified. The ESMF will indicate the impacts of each Strategy option, the required mitigation measures and/or methods for enhancing identified positive impacts, the applicable WB Safeguard Policies, indicators for monitoring, and the responsible entities for implementation, supervision and monitoring of the mitigation measures. It will also categorize the Strategy Options (i.e. Category "A", "B" or "C") based on results of the screening process carried out in accordance with World Bank Environmental Policy. The ESMF will then be used by the concerned responsible persons or institutions during the implementation, supervision and monitoring of the mitigation measures. A template of an ESMF in which information collected will be input is provided in Table 29 below.

Table 29 ESMF Template

<u>Strategy Option</u>	<u>Activities</u>	<u>Project Category (A, B, C)</u>	<u>Impact</u>		<u>Applicable WB Safeguard(s)</u>	<u>Mitigation/Enhancement</u>	<u>Monitoring Indicator</u>	<u>Responsible Institution (monitoring and supervision)</u>
			<u>Environment</u>	<u>Social</u>				
Goal:								
			-	-		-	-	-
	-		-	-		-	-	-
	-					-	-	

2.19 Action Plan for developing the Environment and Social Management Framework (ESMF)

An action plan has been developed to guide the process of formulating the ESMF and is summarized in the Table 30.

Table 30: Logframe and schedule for developing ESMF

Action plan to develop the Environmental and Social Management Framework						
Gap/Challenge Analysis	Action	Responsible	Method	Outcomes	M & E Indicators	Timing
Lack of institutional mechanism for coordinating the development, implementation and monitoring of the ESMF	1. Develop a coordination mechanism to oversee the development and implementation of the ESMF	<ul style="list-style-type: none"> ➤ REDD plus Steering Committee ➤ REDD Task Force 	<ul style="list-style-type: none"> ➤ The REDD plus Steering Committee will identify Relevant REDD institutions; then institutions are asked to nominate focal persons to form the Technical Implementation Committee that will coordinate the development and implementation of the ESMF 	<ul style="list-style-type: none"> ➤ Coordination Mechanism in place 	<ul style="list-style-type: none"> ➤ A team of dedicated focal persons working together towards the development and implementation of the ESMF 	First quarter of 2011
Preparation of the ESMF requires a wide range of professionals with experiences drawn from the biophysical and socio-economic aspects of the environment	2. Identify a team of multi-disciplinary professionals (preferably registered environmental practitioners) with experience in Social and Environmental assessment for the development of the ESMF	<ul style="list-style-type: none"> ➤ NFA/FSSD ➤ NEMA ➤ Focal Point/REDD Desk 	<ul style="list-style-type: none"> ➤ Terms of reference for the required professionals are drafted by the REDD Focal Institution assisted by the Technical Implementation Committee ➤ Advertisements are made in the mass media (by responsible ministry) seeking for potential candidates to prepare the ESMF, followed by short listing, interviewing and 	<ul style="list-style-type: none"> ➤ A team of competent professionals required for preparation of the ESMF identified. These should preferably include: <ul style="list-style-type: none"> - A Forest Biodiversity Specialist - A Socio-economist - A Legal Expert - An Environmental 	<ul style="list-style-type: none"> ➤ Competent Professionals selected for preparation of the ESMF 	Second quarter of 2011

<u>Action plan to develop the Environmental and Social Management Framework</u>						
<u>Gap/Challenge Analysis</u>	<u>Action</u>	<u>Responsible</u>	<u>Method</u>	<u>Outcomes</u>	<u>M & E Indicators</u>	<u>Timing</u>
			<u>selection</u>	<u>Systems Analyst</u>		
<u>Lack of local capacity to conduct the SESA given that Strategic Environmental Assessment (SEA) is not yet fully developed in Uganda</u>	<u>3. Capacity building conducted on SEA in general and REDD+ SESA principles and practice in particular</u>	<ul style="list-style-type: none"> <u>↗ Consultants hired by the focal institution</u> <u>↗ The training should itself be targeted at the SESA team, and Technical Implementation Committee</u> 	<u>↗ Tailored short courses coupled with field work and continuous on-the-job training</u>	<ul style="list-style-type: none"> <u>↗ A fully trained team that is capable of undertaking a SESA</u> <u>↗ Set of training materials for a SEA and SESA</u> <u>↗ Action plans for piloting, developing, implementing and monitoring the implementation of the ESMF</u> 	<u>↗ Action plans for piloting, developing, implementing and monitoring the implementation of the ESMF developed</u>	<u>Third quarter of 2011</u>
<u>Exact locations of REDD+ sites where SESA will be conducted are not known</u>	<u>4. Select sample sites from potential REDD+ sites that were recommended in component 2b of the R-PP (To ensure representativeness, this could be based on ecological zones in Uganda - cattle corridor, Albertine Rift, Lake Crescent, Semi-arid regions, Alpine</u>	<u>↗ The SESA team of multi-disciplinary professionals working in conjunction with NFA, FSSD, the REDD Secretariat,</u>	<u>↗ Areas chosen as sample REDD+ sites will have to be ecologically spread to represent the respective ecological zones.</u>	<ul style="list-style-type: none"> <u>↗ Screened and categorized Strategy Options according to World Bank Environmental Policy</u> <u>↗ A set of specific World Bank Safeguard Policies that are triggered by Strategy Options categorized as "A" and "B" projects²²</u> 	<ul style="list-style-type: none"> <u>↗ No. of SESA REDD+ sample sites identified</u> <u>↗ No. of screened and categorized REDD+ Strategy Options</u> <u>↗ Preliminary ESMF developed with positive and negative social and environmental impacts, corresponding mitigation measures/enhancements, monitoring indicators and responsible institutions for</u> 	<u>4th quarter of 2011 to first quarter of 2012</u>

²² Through the screening process it is determined whether particular REDD projects will be subjected to a full EIA (Category A projects), a limited EIA (Category B Projects) or no EIA is required (Category C projects)

<u>Action plan to develop the Environmental and Social Management Framework</u>						
<u>Gap/Challenge Analysis</u>	<u>Action</u>	<u>Responsible</u>	<u>Method</u>	<u>Outcomes</u>	<u>M & E Indicators</u>	<u>Timing</u>
	<p><u>zones, Savannah Woodlands)</u> <u>5 (a). At each selected REDD site carry out screening of proposed REDD+ Strategy Options according to which particular World Bank Safeguard Policies are triggered and categorize them according to the World Bank Environmental Policy to determine the level of assessment required</u></p> <p><u>5(b) Prepare site specific ESMFs for each ecological zone to be integrated into one National ESMF</u></p>	<p><u>the REDD Working Group, NEMA</u></p>		<p><u>➤ Sample REDD-Plus sites identified and preliminary Social and Environmental Assessment carried out at these sites for Category A and B Strategy options</u></p>	<p><u>monitoring</u></p>	
<p><u>Need to share experiences on ESMF generated from the sample sites with other stakeholders in order to incorporate their views</u></p>	<p><u>5. Organize 1 stakeholder workshop per ecological zone to refine the pilot ESMF</u></p>	<p><u>➤ REDD Secretariat</u> <u>➤ REDD Task Force</u> <u>➤ SESA team comprising of multi-disciplinary</u></p>	<p><u>➤ The workshops should be participatory in nature, bringing together representatives of CBOs/NGOs working with forest dependent groups as well as representatives of special interest groups</u></p>	<p><u>➤ Experiences shared and documented</u></p>	<p><u>➤ Successful ecological Zone workshops held with good representation and active participation</u></p>	<p><u>Second to Third quarters of 2012</u></p>

<u>Action plan to develop the Environmental and Social Management Framework</u>						
<u>Gap/Challenge Analysis</u>	<u>Action</u>	<u>Responsible</u>	<u>Method</u>	<u>Outcomes</u>	<u>M & E Indicators</u>	<u>Timing</u>
		<u>professionals.</u>				
<u>Absence of a national level REDD+ SESA ESMF</u>	<u>6. Develop actual REDD+ ESMF that incorporates multi-stakeholder views (especially those of vulnerable and marginalized groups) in conformity to national and international policy and legislation as well as relevant WB policies</u>	<u>↗ SESA team of multi-disciplinary professionals.</u>	<u>↗ Incorporate views of stakeholders (arising out of the Ecological zone workshops held) into the ESMF</u>	<u>↗ An adjusted ESMF that reflects the true likely positive and negative impacts of the proposed REDD-Plus Strategy Options and proposes mitigation measures</u> <u>↗ Adjustments to proposed Strategy Options that reflect "no harm" and enhance "good"</u>	<u>↗ A n agreed Ugandan national SESA ESMF that takes into account a wide spectrum of views particularly from Vulnerable and Marginalized Forest Dependent Groups</u>	<u>Fourth quarter of 2012</u>
<u>Need to ensure that the action plan is being followed accordingly</u>	<u>8. Participatory Monitoring and Evaluation at specified periods throughout the ESMF development process</u>	<u>↗ REDD Secretariat</u> <u>↗ TIC</u> <u>↗ Local Representatives from the pilot sites</u>	<u>↗ The P M and E should involve stakeholders that contributed to formulation of the ESMF (particularly representatives of marginalized and vulnerable groups of Forest Dependent People)</u>	<u>↗ Well implemented action plan with periodic adjustments made to check deviations</u>	<u>↗ No. of times M and E is done throughout the ESMF development process</u> <u>↗ No. of adjustments made as a result of the M and E</u> <u>↗ Level of participation in the M and E process</u>	<u>First Quarter of 2011 to First Quarter of 2013</u>

2.2012 Action Plan for development of Environment and Social Management Framework (ESMF)

The following Table 3116 presents an action plan to guide the process of formulating the ESMF.

~~Table 16: Action plan to develop the Environmental and Social Management Framework~~

Table 31:16 Summary of Activity Plans and Schedule for developing Budget for Developing the ESMF and budget						
Main Activity	Sub-Activity	Lead	Estimated Cost (US\$)			
			2012	2013	2014	Total
Develop ESMF						
	Develop a coordination mechanism to oversee the development and implementation of the ESMF	REDD Focal Point	10			10
	Identify a team of multi-disciplinary professionals (preferably registered environmental practitioners) with experience in Social and Environmental assessment for the development of the ESMF	REDD Focal Point	10			10
	Capacity building conducted on SEA in general and REDD-Plus SESA principles and practice in particular	REDD Focal Point	30			30
	Identify sample sites where SESA will be conducted (based on existent ecological zones in Uganda)	Implementing Institution	60	60		120
	Organize 1 stakeholder workshop per ecological zone to refine the pilot ESMF	Implementing Institution		60		60
	Develop actual REDD-Plus ESMF that incorporates multi-stakeholder views (especially those of vulnerable and marginalized groups) in conformity to national and international policy and legislation as well as relevant WB policies	Implementing Institution		15		15
	Participatory Monitoring and Evaluation at specified periods throughout the ESMF development process	REDD Focal Point	20	20	20	60
Total			\$ US\$130	US\$155	\$ US\$20	US\$305
Domestic Government			US\$	US\$	US\$	US\$
FCPF			US\$	US\$	US\$	US\$
UN-REDD Programme (if applicable)			US\$	US\$	US\$	US\$
Other Development Partner 1 (name)			US\$	US\$	US\$	US\$

Table 31:16 Summary of Activity Plans and Schedule for developing Budget for Developing the ESMF and budget

Other Development Partner 2 (name)	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>
Other Development Partner 3 (name)	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>

COMPONENT 3: DEVELOP A REFERENCE SCENARIO

3. THE REFERENCE SCENARIO

3.1 Definitions

There is no “best practice” to design REDD-Plus reference scenarios or forest monitoring systems. It is also neither believed that it makes sense to define respective practices in detail because the technical and organizational options are plenty. REDD-Plus is operating in a very dynamic and evolving international regulatory environment and new research and technologies are advancing rapidly that may question the previous *single best* option identified. Therefore, the outline of the structure of the reference scenario design refers to the IPCC (2006) Good Practice Guidance. Furthermore, it is important to avoid pitfalls and errors, and that is best done by consulting with experts in forest inventory, carbon accounting and those who have local expertise and can give practical advises. In the Appendix 4 some “to do’s” and “not to do’s” are listed. The list is not aiming to be comprehensive and it needs to be further elaborated.

Key principle criteria to which the design of the reference scenario and the forest monitoring system should conform to are:

- a) The system design and its implementation ~~has~~ have to maintain overall credibility.
- b) Objectives should be clearly spelled out and considered.
- c) Adequate precision is required (adequate means: defined as a part of the overall REDD-Plus+ objectives and evolving international standards).
- d) Sound methodology based on scientific principles and following statistical sampling criteria.
- e) Transparency in all steps from planning to reporting; essential part of this is comprehensive and transparent reporting and documentation, both in expert language and “translated” for decision makers and other relevant users.
- f) Need for experts in the different fields.

A number of key terms need to be clearly and explicitly defined, such as activity data, emission factors, representativeness of collected data, precision requirements for the major attributes and products expected such as maps (most appealing but least precise), statistics etc. Last but not least, *each variable* that is been observed needs to be defined in terms of subject matter and measurement procedure. In the ~~Appendix Appendix 44~~ key terms are defined. Appendix 44 provides procedures for measurement of variables relevant for remote sensing analysis and field inventories. In order to be able to determine the historical emissions from deforestation and forest degradation a forest definition is required, which has several implications:

- a) area eligible for REDD-Plus activities (e.g. areas under agroforestry with a comparatively low crown cover might be excluded or included).
- b) technical requirements to assess deforestation (the lower the crown cover threshold the more limited is the use of remote sensing data).

At the moment Uganda has two forest definitions. The UNFCCC CDM forest definition:

- a) 30 % tree crown cover (i.e. Percent of a fixed area covered by the tree crowns using a vertical projection based on a terrestrial inventory, remote sensing or aerial photo interpretation).
- b) 1 ha minimum forest area.

- c) 5 m minimum tree height or able to reach this threshold.

And the FAO definition, which was used for the National Biomass Study:

- a) 10 % tree crown cover.
- b) 0.5 ha minimum forest area.
- c) 5 m minimum tree height or able to reach this threshold.

In brief, Uganda has previously used FAO, Commonwealth and home developed definitions for a number of forest management terms (for example, during the National Biomass Study). However, for purposes of development of a reference scenario for Uganda, definitions will part of this process. This is because “forest definitions” nor their implications for development of a national reference scenario for REDD-plus have not been debated in the country; and neither have they been debated at the international level.

~~Unless defined differently by UNFCCC, Uganda will use the FAO forest definition for REDD+ in order to be consistent with the National Biomass Study.~~

3.2 Activity and Emission Data in Uganda

Activity data:

The term activity data refers to all data sets that permit the evaluation of changes of land cover and land use over time. The analysis of data from different times provides spatially explicit trajectories for deforestation, reforestation and in limited form for forest degradation and carbon stock enhancement or in other words the areal extend of an emission or removal category at a given time. It is usually based on images of the surface taken from satellites or other carriers.

Emission data:

Emission data refers to all the information necessary for the estimation of the carbon content of a certain land use class or the changes in carbon stock after land use change has taken place. Data is commonly gathered on the ground but can also be estimated with high resolution remote sensing data combined with field inventories.

Emission factors:

The emission factor is the average amount of CO₂ equivalents bound by a certain land cover form and biomass content. When changing the land use to another one an according amount of CO₂ equivalents are released or sequestered.

Activity and emission data survey was done to determine data availability and gaps. A survey of studies and projects concerned with land cover, land use and biomass among research institutions in Uganda was conducted (Appendix 4).

Table 32: Data Requirements and Adequacy

<u>Source</u>	<u>Owner</u>	<u>Details</u>
<u>National Biomass Study (NBS) I</u>	<u>NFA</u>	<u>Biomass of different forest types, bush land and agricultural land based on destructive sampling</u>
<u>National Biomass Study 2003 (II)</u>	<u>NFA</u>	<u>National forest inventory, based on SPOT XS satellite images 1990-1993, permanent sample plots and NBS I</u>
<u>National Biomass Study 2009 (III)</u>	<u>NFA</u>	<u>National forest inventory, based on Landsat 2005/6 images, permanent sample plots and NBS I and II</u>
<u>Natural Forest inventories</u>	<u>NFA</u>	<u>Exploratory inventories of several Central Forest Reserves</u>
<u>Vegetation and Forest Cover Change Map Semliki/Murchison landscape</u>	<u>WCS</u>	<u>Based on ASTER images 2005, 2006, aerial photographs (2006-2010) and NBS</u>
<u>Enso Mosaic maps of WILD project areas in northern Uganda</u>	<u>WCS</u>	<u>Based on Landsat images 1986, 2000 and aerial photographs 2007</u>
<u>Remote sensing data</u>	<u>NEMA</u>	<u>Medium and high resolution satellite images from different sources will be available upon request through NEMA</u>

a) Activity data

The main activity data set in Uganda on land use changes is the National Biomass Study (NFA, 2009). It is based on i) the interpretation of two sets of satellite images (SPOT XS from 1990-1993 and Landsat TM from 2004-2005) using the FAO Land Cover Classification System (LCCS) and ii) a national grid based biomass field inventory with 2 to 4 data points per forested sampling point from the period between 1990-2005.

From this study the available data and some of the gaps are as follows:

- i. Historic deforestation and forest degradation activity data and emissions can be extracted. This is the data that will be used to estimate the initial emissions.
- ii. For some sample points additional remote sensing analysis is required and the NFA is currently preparing to analyse Landsat data for 2010. This will help meet the minimum of three data points in time as recommended (GOF-C-GOLD Sourcebook, 2009)
- iii. The accuracy level of the remote sensing and the biomass field inventory is unclear and needs to be analysed.
- iv. The reporting must be aligned with IPCC guidelines.
- v. Depending on the accuracy level historic information may not be suitable for developing REDD+ scenarios and/or the inventory design needs to be modified.

- vi. A number of sub-national data sets exist that needs to be assessed in terms of its quality and integrated into a national database (see above and Appendix 4).

~~In the framework of a comprehensive study (National Biomass Study phase I) 3000 trees from 123 species were sampled destructively and for 4,500 trees green and dry weight were measured and single tree biomass functions were developed. Almost 4,000 permanent sampling plots were established in Uganda to estimate woody biomass for different forest types. 10 % of these sample plots have been revisited several times to gain information on biomass dynamics, reflecting degradation and growth. However, the quality of the emission data is uncertain and needs to be assessed before it can be used to develop the reference scenario.~~

b) Carbon emission data and emission factors

In the framework of a comprehensive study (National Biomass Study phase I) 3000 trees from 123 species were sampled destructively and for 4,500 trees green and dry weight were measured and single tree biomass functions were developed. Almost 4,000 permanent sampling plots were established in Uganda to estimate woody biomass for different forest types. 10 % of these sample plots have been revisited several times to gain information on biomass dynamics, reflecting degradation and growth. However, the quality of the emission data is uncertain and needs to be assessed before it can be used to develop the reference scenario.

From the available emission data emission factors or carbon content can be derived for each land use class. For below and above ground carbon pools and land use changes IPCC Tier 3 emission factors have to be used. In the framework of the National Biomass Inventory only for the living above ground carbon pool Tier 3 data is available.

For the estimation of the carbon density per land use class the two components of the National Biomass study (activity data and emission factors) need to be merged in order to assign carbon content to each land use class and to understand the emissions related to land use change.

c) Historical emissions

The calculation of the historic emission level will be done following the IPCC Good Practise Guidelines (2003) and the IPCC Guidelines for National GHG Inventories, Volume 4 AFOLU (2006), using suitable and available Tier 2 and 3 data. The historic emissions resulting from deforestation and forest degradation will be integrated into the next National GHG inventory. The publication data of the next National GHG inventory is unknown

d) Consideration of influence of identified drivers

Drivers of deforestation and forest degradation; the drivers that affect the conservation, maintenance and enhancement of carbon stocks and how they are likely to influence future trajectories will be assessed as part of the development of the reference scenario for Uganda. The main activity data set in Uganda on land use changes is the National Biomass Study (NFA, 2009). It is based on i) the interpretation of two sets of satellite images (SPOT XS from 1990-1993 and Landsat TM from 2004-2005) using the FAO Land Cover Classification System (LCCS) and ii) a national grid-based biomass field inventory with 2 to 4 data points per forested sampling point from the period between 1990-2005. From this study deforestation and forest degradation activity data and historic emission levels can be extracted. To determine historic emission levels three data points are

recommended (GOF-C GOLD Sourcebook, 2009). This means an additional remote-sensing analysis exercise needs to be conducted and for each land use class within the forest at least three data points of sufficient quality are required (the NFA is currently preparing to analyse Landsat data for 2010).

Unfortunately, the precision level of the remote-sensing and the biomass field inventory is unknown or not according to IPCC standards and needs to be analysed. Depending on the precision level achieved data may have to be reanalysed and the inventory design modified.

With regards to the remote-sensing analysis a national wall-to-wall mapping exercise may not be required. Sample-based remote-sensing analysis with e.g. Rapid Eye images around the field plots prove to provide statistically robust data at low costs. At sub-national REDD hot-spot project areas wall-to-wall images should be used.

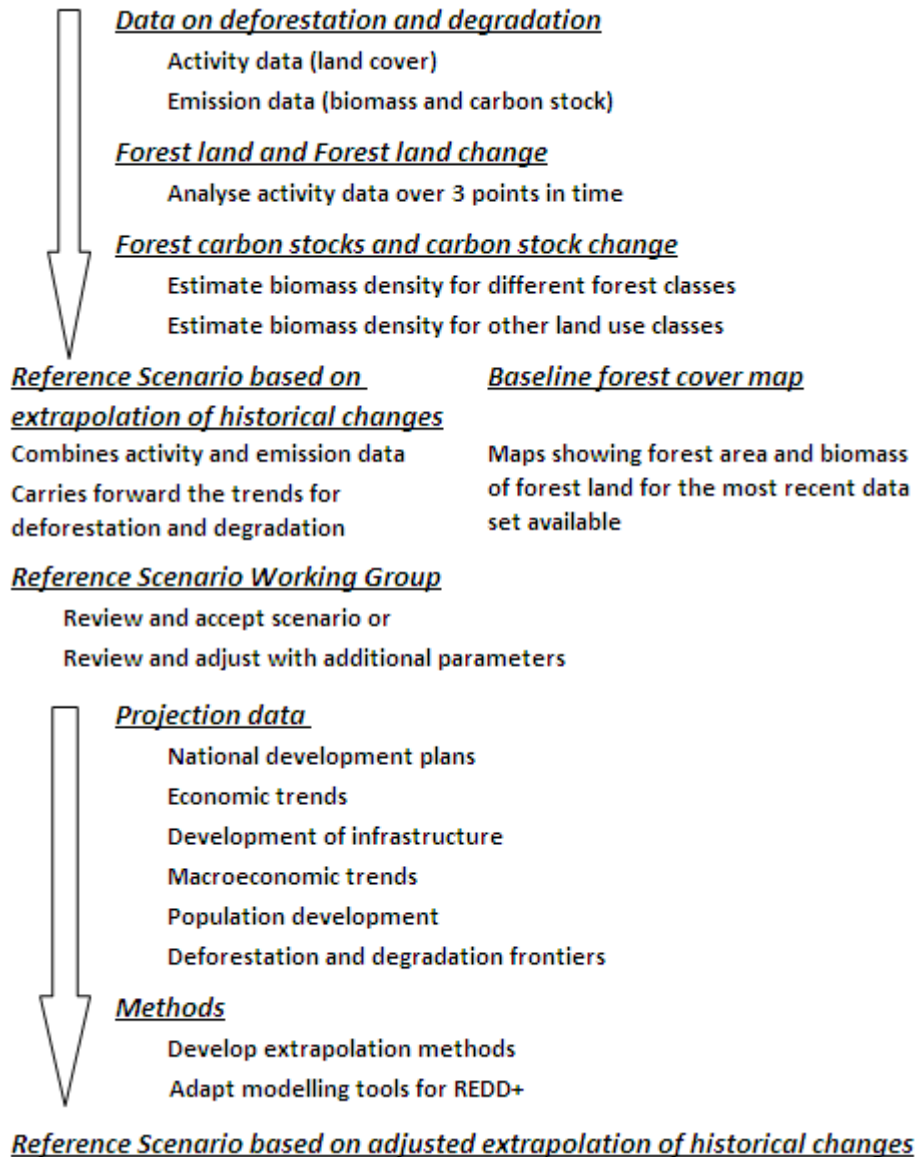
3.3 Future Scenarios

3.3.1 Developing the future trajectory

The reference scenario or future trajectory can be set using two different methodological approaches. The reference scenario can be based purely on the historical emissions extrapolating them into the future. The second approach is also based on historical emissions but adjusted to take into account changes in REDD-Plus deforestation/degradation drivers related to socio-economic changes. Respective adjustments based on modelling land use change with varying parameters will result in several possible future scenarios. The most likely of these scenarios will be set as Reference Scenario against which all future emissions will be accounted and most likely has to be defended at the international level. Figure 6 provides an overview of the two possible approaches. While the first approach is transparent because no adjustment anticipating future developments are conducted it is very likely that historic emissions will not reflect the future Business As Usual scenario very well. This approach will most likely overestimate future emissions, which would result in more emission reductions. Adjusting the Reference Scenario using simple adjustment factors or models requires a very good understanding between socio-economic development and deforestation and forest degradation. For Uganda in-depth studies on related repercussions are currently lacking, which highlights the need for some targeted analytical work to be able to define adjustment factors. Uganda's REDD-Plus working group recommended developing a reference scenario based on historical extrapolation, considering simple adjustment factors and models. This is expected to reflect best future emissions under Business As Usual scenario.

The reference scenario or future trajectory can be set in two ways. The first possibility determines the reference scenario based purely on the historical deforestation and forest degradation rates extending them linear into the future. The second approach is also based on historical emissions but takes future socio-economic changes into account. Modelling land use change with varying parameters will result in several possible future scenarios. The most likely of these scenarios will be set as future trajectory. Figure 3 provides an overview of the two possible approaches to setting a reference scenario and the necessary steps to be taken, which are outlined in more detailed below. Uganda's REDD-Plus working group decided to take the modelling approach which will reflect future emissions under a business as usual scenario better.

Figure 6-3: Approach and work flow for setting a Reference Scenario



3.3.2 Setting up a “Future Trajectory” working group

A Methodological Issues Taskforce will be responsible for engaging with national and international experts to define in a transparent process a realistic REDD-Plus reference scenario.

The “Reference Scenario ” working group will involve individuals from relevant Ministries and government agencies, such as the Ministry of Finance Planning and Economic Development, Ministry of Water and Environment, Ministry of Agriculture Animal Industry and Fisheries, Uganda Bureau of Statistics, research institutes and NGO’s. Additionally representatives of private forest owners will be engaged. The individuals from the different organizations should have a good background in socio-economic and/or forestry.

The actual composition of this group will be determined by the implementing agency for REDD-Plus on recommendation of the National Steering Committee. As it is proposed that current REDD-plus Working Group will be replaced by a National Technical Committee that will be supported by theme based Taskforces, it also follows that the development of Uganda's reference scenario will be handled by the Methodological Issues Taskforce. This Taskforce shall develop the detailed steps needed to generate and apply reference emission level and reference levels.

~~A special working group will be set up which will work closely with modelling experts helping to identify and select appropriate modelling methodologies and tools, provide input on parameters to be used for modelling and will select the future trajectory to be used for REDD-Plus in Uganda. The "Future Trajectory" working group will involve individuals from relevant government agencies and NGO's. The actual composition of this group will be determined by the planning agency for REDD-Plus (National Forest Authority) and the current REDD-Plus working group.~~

3.3.3 Projection data for modeling

For the development of adjusted historical extrapolation of emissions robust socio-economic data e.g. rural/urban population growth, infrastructure development including energy infrastructure investments, rural employment and business development etc. are required. However, as highlighted above the relation between economic development and deforestation is quite complex and often not linear (e.g. Marcaux, 2000).

Developing sub-national reference scenarios will include sub-national REDD-Plus activities can either apply the national reference scenario or develop a more situation specific sub-national reference scenario. While the former approach will ensure consistency it will most likely underestimate deforestation and forest degradation in the without project scenario. Sub-national reference scenarios require transparent development protocols and a standardized approach to reconcile and harmonize the sub-national reference scenario with the national reference scenario (De Gryze et al, 2010).

Sub-national REDD-Plus activities will be located in REDD-Plus hot spot areas that have medium-high carbon stocks, high deforestation and forest degradation threats and medium-high biodiversity or other co-benefits. However, REDD-Plus activities may not be feasible in all REDD-Plus hot spot areas in Uganda, considering that e.g. areas in Western Uganda with oil fields will have very high opportunity costs.

~~Unless historic emission levels are linear extrapolated in the future data is required to apply models that improve the estimate of the reference scenario. Possible parameters are population growth, national development plans, economic trends and the position of deforestation and degradation frontiers in relation to undisturbed forests. However, these parameters are not applicable equally in any situation. For example a number of studies indicated that population density is not always a good proxy to predict deforestation (e.g. Marcaux, 2000). Whereas, there is a high probability that frontiers of recently deforested areas will be deforested or degraded. It will be the task of the experts and the working group to determine the social, economic and political parameters to be used.~~

3.4 Capacity needs

During consultation meetings the institutional capacity for REDD-Plus inventory and monitoring of different governmental and non-governmental organizations at national level was evaluated (Appendix 4-4). The National Forestry Authority is considered to be the most suitable institution to develop the Reference Scenario and to design and maintain the REDD-Plus monitoring system at the national level. Nevertheless, it requires substantial investments to upgrade existing capacity. Furthermore, opportunities to partner with other institutions or options to outsource individual tasks should be considered. With regards to sub-national REDD-Plus activities a number of organisations have relevant analytical and field capacity already (e.g. WCS or UWA). For the development of REDD-Plus reference scenarios a national framework should be established with the option to integrate higher resolution data or additional variables to be monitored at the sub-national level. Below a summary of the existing capacities is presented, while a detailed SWOT analysis can be found in Appendix 4-4.

3.4.1 Existing capacities

To determine data availability and gaps a survey of studies and projects concerned with land cover, land use and biomass of the aforementioned institutions was conducted. The results are outlined below.

Major gaps regarding know how and technology are can be found the analysis of high resolution remote sensing data and in the application of IPCC and UNFCCC guidelines and rules. Additionally some of the concerned agencies, in particular the Forestry Sector Support Department, are seriously understaffed.

Governmental institutions:

- a) **National Forestry Authority:** Knowledge and experience in mapping of land cover and land use based on medium resolution remote sensing data and biomass estimation and mapping based on destructive sampling, classic forest inventories and remote sensing. Inventory design and statistical analysis capacity needs to be improved.
- b) **Forestry Sector Support Department:** Oversight to the entire forest resources due to limited capacity to fulfil its guiding and law enforcement role.
- c) **Uganda Wildlife Authority:** Very little primary data on forest cover and biomass is collected. The organisation works closely with communities and monitors wildlife and has prior experience with monitoring afforestation and reforestation carbon projects in Mt Elgon and Kibale National Park. Therefore, it could potentially play an important role in the sub-national REDD-Plus monitoring or of additional benefits of REDD-Plus, such as biodiversity, and in actively including communities into the monitoring processes.
- d) **National Environment Management Authority:** It is the lead agency for coordination, monitoring, regulation and supervision of the environmental management in Uganda. Information crucial to REDD-Plus implementation and monitoring is collected by NEMA through the Environmental Information Network.
- e) **Uganda Bureau of Statistics:** Relevant information provided by the agency is often collected by other agencies that are working in the specific sector. UBOS verifies and joins different data sets. Aggregated data is freely available.

Non-governmental institutions:

- a) **Wildlife Conservation Society:** Biodiversity surveys and land cover assessments have been conducted in western and northern Uganda, based on remote sensing data analysis and field inventories. Carbon stocks, biodiversity and socioeconomic information are currently collected for western Uganda in the framework of a REDD-Plus feasibility study for forest corridors.
- b) **World Resources Institute:** Considering their extensive research on socio-economic development in Uganda and their relation to natural resource development, the institution is well positioned to support the development of reference scenarios.

3.4.2 Capacities Gaps /Needs

There is a strong interest in REDD-Plus related topics among research institutions in Uganda, but limited capacity and few pilot projects that can be used to add research components. Makerere University (e.g. Institute of Environment and Natural Resources; Economic Policy Research Centre, Faculty of Forestry and Nature Conservation) and the National Forest Resources Research Institute (Appendix 44) have conducted some relevant studies and/or provided input for the National Biomass Study. A REDD-Plus dedicated training programme, organized by the different institutes mentioned above and with student attachments in international organisations working on REDD-Plus, would help to build capacity.

Existing regional research networks like the African Forest Research Network or Agricultural Research in Eastern and Central Africa (ASARECA) are important partners to share experiences with other FCPF partner countries in Africa.

3.4.4 Capacity building effort

Both the capacity of government agencies as well as of research institutions can be strengthened by fostering close cooperation with NGO's, especially WCS and WRI. Training and guidance by external experts will be needed to enhance existing capacity and close the existing knowledge gaps ensuring the establishment of a sound reference scenario (Appendix [4-4](#)) on training for inventory, GIS and reporting teams).

In addition to that the government of Uganda will have to improve the funding situation of certain agencies to permit effective work. Only where REDD-Plus implementation is concerned should funds from the FCPF readiness programme be used.

Data availability and gaps: To determine data availability and gaps a survey of studies and projects concerned with land cover, land use and biomass of the aforementioned institutions was conducted.

Table 17: Summary table of Reference Scenario Activities and Timelines

Table 33-17: Summary of Activity Plans and Schedule for developing a Table of Reference Scenario Activities, Schedule and Budget						
Main Activity	Sub-Activity	Lead	Estimated Cost (US\$)			Total
			2012	2013	2014	
Design and Coordination		National Focal Point	100	50	100	150
Capacity building		National Focal Point	20	20	0	20
Evaluate and modify the NBS	Accuracy assessment of NBS	Implementing Institution	20		0	-
	Methodology modification to match REDD+ requirements	Implementing Institution	25	25	0	25
Remote sensing data (gather and process activity data)	Acquisition of equipment (hardware & software)	Implementing Institution		100	0	100
	Acquisition of remote sensing data	Implementing Institution		600	0	600
	Data processing, analysis & interpretation	Implementing Institution			200	200
	Accuracy assessment	Implementing Institution			10	10
Field inventory (gather and evaluate emission data)		Implementing Institution	50	50	100	150
Historical emissions	Combination of activity and emission data	Implementing Institution			50	50
Reference Scenario including peer review	National Reference Scenario	Implementing Institution		40	0	40
	Selection of hot spots and develop 1-2 sub-national reference scenarios	Implementing Institution			40	40
Total			US\$215	US\$885	US\$500	US\$1,600
Domestic Government			<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>
FCPF			<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>
UN-REDD Programme (if applicable)			<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>
Other Development Partner 1 (name)			<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>
Other Development Partner 2 (name)			<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>
Other Development Partner 3 (name)			<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>

COMPONENT 4: DESIGNING A MONITORING SYSTEM

4. EMISSIONS AND REMOVAL

4.1 Scope of MRV in Uganda

The design of a forest monitoring system requires thorough planning to be successful. Overall credibility of the methodology and the results is the major guiding principle for designing such a system. A monitoring system varies considerably as a function of the i) specific set of major objectives, ii) local biophysical and institutional conditions, iii) size of the inventory area and iv) data sources and v) overall resources available. Forest monitoring systems need to be methodologically sound – and economically feasible.

In conclusion an integrated national – sub-national monitoring system as outlined in [Appendix 4component 3](#) is considered the best option for REDD-Plus. The system should provide costly but highly accurate emission data for deforestation and forest degradation hot spots and less costly but reliable data on national level, permitting Uganda to claim credible emission reduction credits at comparatively low cost.

4.1.1 Procedure of Planning

The general monitoring system design principles to be applied are illustrated in [Figure 7-4](#). Each task will be addressed in more detail below, reflecting the Ugandan context. In addition a work plan outlining the flow of activities for planning and implementing a forest monitoring system is outlined and the proposed responsible agency for each activity is highlighted in the [Appendix 44](#).

Figure [7-4](#): Procedure for designing the forest monitoring system

Setting the foundations.

Justification – funds – objectives – defining mandates.

Inventory planning.

Definition of technical objectives, development of inventory design, inventory protocol.

Data collection.

Remote sensing: From decision on imagery to final map products.

Field data: Organisation, training, implementation, supervision.

Data management and analysis.

Data base development, data entry, data analysis, database maintenance.

Reporting.

4.1.2 Setting the foundations

The justification for Uganda to implement a REDD-Plus monitoring system is the strong commitment to protect forests and its multiple functions by attracting international positive incentive mechanisms for REDD-Plus under the Forest Carbon Partnership Facility and other evolving mechanisms.

The design of the monitoring system has to consider severe capacity and budget constraints. Therefore, a simple but robust monitoring system is considered to be most suitable for Uganda.

Hence Uganda is targeting to provide:

- a) Tier 2 data on national level.
- b) Tier 3 data for hot spots for the monitoring of emissions or emission reductions from forests.

In addition the activity data and emission factors described in component 3 are adequate for tier 3 estimations.

4.1.3 Defining mandates

The FSSD will coordinate REDD-Plus monitoring at the national level and the definition of standards for sub-national activities and data management, considering evolving REDD-Plus standards on the voluntary carbon market and within the UNFCCC process. As part of the overall coordination FSSD will engage other organizations that have complimentary mandates (e.g. National Environment Management Authority, National Forest Authority, relevant Academic institutions) or capacities (including NGO's) in the overall REDD-Plus monitoring framework. This will ensure ownership of REDD-Plus implementation beyond the forest sector, including broader societal choices concerning land use.

Designing a forest monitoring system requires an explicit information request, which was defined in component 2 a, to justify the need for the monitoring system. The REDD-Plus working group ~~decided that~~ recommended that the REDD-Plus monitoring system at the national level will be integrated into the National Biomass Study. The National Biomass Study serves a number of different information needs and land based agencies, such as the Ministry of Agriculture Animal Industry & Fisheries, Ministry of Energy & Minerals, and Ministry of Water & Environment including the National Forestry Authority, the National Environment Management Authority and Uganda Wildlife Authority. In addition REDD-Plus can enhance inter-sectoral/agency communication and collaboration, which is already relatively successfully established in Uganda with the National Biomass Study, which is considered as a common information platform.

The mandate of the FSSD will include:

- a) Coordination of all monitoring, reporting and verification efforts of the different stakeholders involved, including work-plan development and enforcement,
- b) Adaptation of the National Biomass Study design to REDD-Plus requirements and
- c) Provision of standards and ensuring data compatibility for sub-national REDD-Plus monitoring, including a well integrated data management system.

4.1.4 Planning a monitoring system

The National Biomass Study methodology may have to be adapted to reflect evolving REDD-Plus methodology guidelines provided by the IPCC and UNFCCC and probably the voluntary carbon market. This concern in particular the land classification design (currently FAO LCCS classes are used), sampling and plot design and the estimation design to avoid biased estimates and meet expected accuracy standards. A detailed analysis of the National Biomass Study, in particular assessing the accuracy of the data, is planned under [Appendix 4 Component 3](#).

The objective of the monitoring system will be the monitoring of biomass where it is threatened by deforestation and forest degradation at an appropriate accuracy level as specified in Component 3. Another objective of the monitoring system is to capture changes to other forest related benefits as outlined below under “Monitoring of Co-benefits”.

Field inventory manuals, including standardized data collection, need to be revised and adjusted, and data entry software might be purchased if portable data loggers are used.

It is also recommendable to assess in more detail the design and the quality of the existing National Biomass Study data base and the options to add additional data from national and sub-national REDD-Plus monitoring. Ideally a respective test data set is used to simulate the suitability of the database to analyze REDD-Plus relevant data sets.

The objectives to be achieved with the forest monitoring system will determine the number and type of variables to be collected as well as the frequency of data collection. More attributes to be measured mean higher cost so there must be a convincing justification to integrate additional variables or target objects (target objects for REDD-Plus may be “trees in forest” and “other vegetation in forest” while other users may want additional information such as “non-timber forest products” or wildlife habitat characteristics etc.). It is suggested to monitor forest change at two year intervals.

Based on the information request related to monitoring “deforestation”, “forest degradation”, “forest structure”, “biodiversity” and “sustainability of forest management” – a list of variables (that serve as indicators) need to be defined, so that they become operational for a forest monitoring system.

In order to be able to anticipate the data requirements of all stakeholders as completely as possible they need to be consulted prior to the continuation of the inventory. During the consultation process relevant groups were consulted ([Appendix 4-4](#)) however; more consultations will have to be conducted by the National Forestry Authority in particular with stakeholders outside the forest circle like conservationists, agronomists and tourism developers. Additionally a “methodology” working group combining experts from different government agencies and relevant NGO’s will be formed to determine which information should be collected in the inventory and how information can be shared and aggregated.

In [Appendix 44](#) existing data sets, documents, maps and contacts have been compiled. Additional available data sets should be incorporated assuming the quality is recorded and proves to be acceptable. In general data or maps without information on the quality have to be treated cautiously.

4.1.5 Design of sub-national monitoring systems

The final design of the sub-national monitoring system (~~e.g. in a nested approach~~) will depend on evolving REDD-Plus accounting requirements within the UNFCCC and on the voluntary carbon market. Uganda will encourage respective international investments and will provide clear guidance for project developers.

The following variables are tentatively suggested for prioritization of deforestation and degradation hotspots:

- a) Carbon stock.
- b) Area.
- c) Variables indicating deforestation and/or forest degradation threats (dynamic of forest frontiers, population density, road and energy infrastructure etc).
- d) Biodiversity value.
- e) Governance.

The national guidelines for sub-national REDD-Plus monitoring will basically refer to existing REDD-Plus standards and methodologies. In addition, requirements for data management and data sharing will be provided, as well as standards that will enable to integrate sub-national monitoring data into the national monitoring system.

4.2 Data collection

4.2.1 Remote sensing

Sample based field observations provide punctual data on a series of forest mensuration attributes and remote sensing allows a large area synoptic assessment and analysis of a limited set of area attributes (as visible from above). Together, these two data sources make up the major part of a forest monitoring system and they need to be designed such that they complement each other. Also remote sensing based maps together with the field sample data are a valuable data base for manifold research activities! The data should be proactively made available to research institutions. Best would be to contract out specific research questions so that these institutions (that usually suffer from a tremendous lack of resources) have the possibility to do serious research, and to link them to research institutions from developed countries, to foster international collaboration. For REDD-Plus+ monitoring, estimation of emission factors (carbon densities) is mainly collected from field observation, while remote sensing technology is used to estimate activity data (area per land-use class).

Remote sensing analysis results in thematic maps providing variables of interest for the entire area of interest; usually forest/non-forest, forest types, tree density, biomass density, carbon density are mapped. It may also be used to identify deforestation and forest degradation hot spots.

A remote sensing component in a forest monitoring project requires expertise in image procurement, image processing and analysis, image interpretation (Appendix 44). When the objective is to go beyond interpretation and mapping and to link field observations with remotely sensed information, expertise in modelling plays an important role. Active sensor remote sensing techniques like lidar and radar require additional specific expertise as the data format and information extraction is very different from the common optical passive imagery (e.g. aerial photographs). In Uganda in-depth modelling and active sensor interpretation expertise is currently not available.

The technical interpretation of the results needs to be done in close collaboration with the project management team, which should be responsible to meet pre-defined quality benchmarks, and the expert for the field data collection.

4.2.2 Data management and reporting

A REDD-Plus monitoring system requires an archiving system and, as mentioned above, should enable and encourage research organisations to use the existing information. Uganda will apply all respective guidelines provided by IPCC, 2006 Volumes 1 and 4.

The monitoring system ~~should~~will be located at the National Forestry Authority (NFA). The National Environmental Management Authority (NEMA), which is in charge to approve the environmental and social impact assessment of all REDD-Plus activities, should receive access to the original data set and analysed and aggregated information, i.e. reports and maps, for additional archiving. NEMA which is managing the Environmental Information Network should also facilitate data sharing among Government agencies and provide researcher conditional access to the data. This arrangement will also strengthen cross-departmental exchange and transparency.

The Forestry Sector Support Department in cooperation with the newly established, but not yet functional District Forestry Service at the local government level, will contribute to collect data on law enforcement and other drivers of deforestation and forest degradation. Respective data collection and management protocols and incentive mechanisms will be developed. Locally based NGO's and community organisations are expected to join respective efforts.

The archiving system will contain all the procedures and methods used, the reference scenario, monitoring data and their analysis as well as estimations of accuracy and uncertainty. The responsible department will need to work closely with other agencies to ensure that all data is up to date at any given time.

The monitoring system will be designed in a way that permits the annual accounting for deforestation, forest degradation and afforestation and the estimation of the resulting emissions or emission reductions in comparison with the reference scenario. Cost recovery mechanisms for maintaining the monitoring system will be established. Public access to the monitoring system needs to be assured. Capacity building on information management and technology is required (see also Appendix 4). Reports on emissions or emission reductions related to forestry will be integrated in the next national GHG inventory of Uganda.

Quality control (QC) and quality assurance (QA) is an integral part of reporting. It includes error assessments (Appendix 44), reviews of methods used for data collection and analysis and control of completeness and consistency. QC and QA will be done by the reporting agency together with external experts e.g. in form of regular peer reviews and should also involve activities such as re-measurement by independent field teams and cross checks with other data sources e.g. the IPCC default values and the Emission Factor Database (EFDB IPCC).

4.2.3 Community involvement in forest monitoring

Community forestry in Uganda is lacking a supportive governance environment and accordingly community based monitoring capacity is still relatively weak.

Experiences from other countries e.g. Nepal show that communities with support from dedicated local NGO's can manage high quality REDD-Plus monitoring systems (Skutsch 2010). In Uganda various national, international and local NGO's as well as the Uganda Wildlife Authority and National

Forestry Authority through collaborative forest management work closely with communities, but have limited experience in REDD-Plus monitoring. Therefore, it is envisaged to establish community monitoring systems in the framework of small community based pilot REDD-Plus projects to increase capacity and confidence in respective governance and monitoring systems. Related monitoring systems will be over time fully integrated into the national REDD-Plus monitoring system.

4B. MONITORING OTHER BENEFITS AND IMPACTS

Monitoring of co-benefits of REDD-Plus implementation will be an integral part of the monitoring system, among others to meet the monitoring requirements of the UN Convention on Biological Diversity. Furthermore, important forest and non-forest products, socio-economic drivers of deforestation/forest degradation will be incorporated in the system, including ecosystem services (such as soil and water conservation) will be monitored either in the framework of the national monitoring system, sub-national monitoring or dedicated research projects. Of course this requires additional funding which needs to be secured.

4.3 Budget for designing a Monitoring Plan

Table 18 Budget for designing Monitoring Plan—

<u>Table 18: Summary Table of MRV Activities, Schedule and Budget</u>						
<u>Main Activity</u>	<u>Sub-Activity</u>	<u>Estimated Cost (US\$)</u>				
<u>Table 34: Summary Activity Plans and Schedule for developing MRV and Budget</u>						
<u>Main Activity</u>	<u>Sub-Activity</u>	<u>Estimated Cost (US\$)</u>				
		<u>Lead</u>	2012	2013	2014	<u>Total</u>
Coordination		<u>Implementing Institution</u>	50	50	-	100
Objectives and standards of the monitoring system		<u>National Technical Committee</u>	20		200	220
Capacity building	Monitoring at district level	<u>Implementing Institution-</u>	50		-	50
	Training on evaluation of high resolution remote sensing data	<u>Implementing Institution-</u>	25	25	-	50
	Pilot projects for community monitoring	<u>Implementing Institution-</u>		20	-	20
	Training on data management	<u>Implementing Institution-</u>	10	10	40	60
Development of monitoring plan	Develop set of indicators and measurement methodologies for monitoring of ecological and social co-benefits	<u>Implementing Institution-</u>	50	50	-	100
	Selection of methodology and tools	<u>Implementing Institution-</u>		30	-	30

Uganda Draft R-PP (Revision of 4th March Informal Submission January 10, 2011)

	Development of procedures and work plans	<u>Implementing Institution-</u>		20	-	20
Development of reporting system	Design of data management system	<u>Implementing Institution-</u>		40	20	60
	Integration of REDD+ projects	<u>Implementing Institution-</u>			20	20
System review	Equipment	<u>Implementing Institution-</u>		30	40	70
MRV implementation	Acquiring remote sensing data	<u>National Focal Point-</u>			-	-
	Acquiring field inventory data	<u>National Focal Point-</u>			105	105
	Data processing and analysis	<u>National Focal Point-</u>			100	100
	QC and QA	<u>National Focal Point-</u>			125	125
	Verification	<u>National Focal Point-</u>			100	100
Total				<u>US\$205</u>	<u>US\$275</u>	<u>US\$750</u>
						<u>US\$1,230</u>
Domestic Government		<u>US\$-</u>	<u>US\$-</u>	<u>US\$-</u>	<u>US\$-</u>	<u>US\$-</u>
FCPF		<u>US\$-</u>	<u>US\$-</u>	<u>US\$-</u>	<u>US\$-</u>	<u>US\$-</u>
UN-REDD Programme (if applicable)		<u>US\$-</u>	<u>US\$-</u>	<u>US\$-</u>	<u>US\$-</u>	<u>US\$-</u>
Other Development Partner 1 (name)		<u>US\$-</u>	<u>US\$-</u>	<u>US\$-</u>	<u>US\$-</u>	<u>US\$-</u>
Other Development Partner 2 (name)		<u>US\$-</u>	<u>US\$-</u>	<u>US\$-</u>	<u>US\$-</u>	<u>US\$-</u>
Other Development Partner 3 (name)		<u>US\$-</u>	<u>US\$-</u>	<u>US\$-</u>	<u>US\$-</u>	<u>US\$-</u>

COMPONENT 5: DESIGN A PROGRAMME MONITORING AND EVALUATION FRAMEWORK FOR R-PP

5. MONITORING SYSTEM FOR R-PP IMPLEMENTATION (2012-2014)

The R-PP implementation monitoring will aim at providing a regular overview of the progress of implementation of activities in terms of in-put delivery, work schedules and planned outputs/targets. It will also involve routine information gathering, analysis and reporting to Lead Ministry and Implementing institutions, development partners, communities and other stakeholders. Evaluation shall represent a systematic and objective assessment of R-PP activities in terms of their design, implementation and results.

An M & E framework and strategy ~~has been will be~~ prepared ~~by the REDD – Plus National Focal Point~~ and agreed upon by the R-PP Steering Committee at the beginning of implementation of the R-PP. The R-PP Monitoring and Evaluation Framework ~~will focus~~focus on:

- a) Promoting accountability for the achievement of R-PP objectives through the assessment of actions, results, effectiveness, processes, and performance of the Implementing institutions involved in R-PP implementation.
- b) Promoting learning, feedback, and information sharing on results and lessons learned among the R-PP Implementing institutions.

The specific objectives for applying a monitoring and evaluation strategy are to:

- a) Provide key stakeholders with the information needed to guide the R-PP implementation towards achieving its goals and objectives.
- b) Provide early contingency plan for the likely problematic activities and processes that need collective action.
- c) Help empower Implementing Institutions by creating opportunities for them to reflect critically on the R-PP direction and interventions.
- d) Provide a basis for systematically collecting and analyzing information on the changes arising from R-PP activities.
- e) Ensure accountability and value for money (upward accountability to the Government/donor) and downward accountability to the beneficiary local communities and implementing

5.1 M&E implementation modalities and responsibilities

The day to day responsibility for implementing the R-PP M&E Strategy will be undertaken by the REDD-Plus National Focal Point. This task will be assisted by:

- a) REDD-Plus Steering Committee which shall oversee the implementation of M&E Framework.
- b) Implementing Institutions who shall be responsible for monitoring the progress of R-PP component activities and giving feedback to REDD-Plus National Focal Point.

- c) Beneficiary communities' representatives who shall be responsible for supporting communities in implementing community level monitoring indicators in collaboration with REDD-Plus National Focal Point

5.2 Information management system and procedures

Information and experiences on R-PP performance will be disseminated internally – among REDD-Plus Implementing Institutions – and through additional dissemination workshops/meetings arranged as necessary and through relevant, media and publications. R-PP partners, participating communities and donor(s) will receive summaries of reports to keep them abreast about work progress. They will also receive other publications whenever available. Wider audiences will be reached through additional dissemination achieved by posting of pertinent information on relevant websites.

5.3 Reporting and accountability

On a semi-annual basis, REDD-Plus National Focal Point, in collaboration with REDD- Plus Steering Committee, shall prepare and submit to the Lead Ministry progress reports on activities and targets. The second semi-annual report will also comprise the annual status report for the concluding year.

5.4 The Monitoring and Evaluation Framework

Table 35 The M&E Framework

<u>Component</u>	<u>Activity/ Undertaking</u>	<u>Output</u>	<u>Key Indicator(s)</u>	<u>MoV</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>
<u>Component 1a</u>	<u>Establish and operationalize R-PP implementation structures.</u>	<u>R-PP Implementation Structures in place and functioning well by end of 1st quarter 2012 and throughout the entire R-PP implementation.</u>	<u>↗ Confirmed R-PP Implementation Structure with clearly defined roles</u> <u>↗ Composition of the Coordination and Supervision structures representing stakeholders</u> <u>↗ R-PP Secretariat in place at FSSD</u> <u>↗ Equipments and facilities availed to the R-PP Secretariat</u>	<u>↗ Appointment letters (and terms of reference) for members to the Steering Committee, National Technical Committee</u> <u>↗ Number of and quality of outputs from business sessions</u> <u>↗ Composition of R-PP Secretariat</u> <u>↗ Observations of facilities and equipments availed to Secretariat</u>	<u>x</u>		
	<u>Facilitating functioning of the Coordination and supervision processes</u>	<u>Well Coordinated and Supervised R-PP implementation</u> <u>Stakeholder ownership and participation in R-PP</u>	<u>↗ Level and quality of services and inputs provided by the Coordination and supervisions processes</u>	<u>↗ REDD-Plus National Focal Point reports and other records</u> <u>↗ REDD-Plus Implementing Partners</u>	<u>x</u>	<u>x</u>	<u>x</u>

<u>Component</u>	<u>Activity/ Undertaking</u>	<u>Output</u>	<u>Key Indicator(s)</u>	<u>MoV</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>
		<u>implementation</u>	<p>↗ <u>Letters assigning responsibilities and tasks issued to various Implementing institutions</u></p> <p>↗ <u>Progress and Financial reports submitted to National Focal Point by Implementing Institutions</u></p> <p>↗ <u>Progress and financial reports submitted by National Focal Point to REDD Steering Committee</u></p>	<u>reports and other records</u>			
<u>Component 1b</u>	<u>Develop Consultations and Participation Strategy</u>	<u>Strategies and actions for conducting consultations and facilitating participation of stakeholders by end of 1st Quarter 2012</u>	<u>✓ Quality of Strategies and actions describe in the Strategy</u>	<u>✓ Strategy Document</u>	<u>x</u>		
	<u>Awareness and Communication Strategy</u>	<u>Strategies, actions, messages and tools for raising awareness and communicating about REDD-</u>	<u>✓ Quality of awareness and communications actions described in the Strategy</u>	<u>✓ Strategy Document</u>	<u>x</u>		

<u>Component</u>	<u>Activity/ Undertaking</u>	<u>Output</u>	<u>Key Indicator(s)</u>	<u>MoV</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>
		<u>Plus and R-PP implementation by end of 1st Quarter 2012</u>	<u>✓ Communication messages disseminated</u>				
	<u>Stakeholder Consultations and Participation</u>	<u>Stakeholder engagement in R-PP implementation</u> <u>Stakeholders aware of REDD-Plus and R-PP implementation process</u>	<u>✓ Types and levels of Stakeholder participation</u> <u>✓ Quality of engagement and inputs from Stakeholders</u> <u>✓ Extent of integrating Stakeholder inputs into REDD – Plus Strategy</u>	<u>✓ Reports on Stakeholder participation</u> <u>✓ Reports on responses and inputs from Stakeholders</u> <u>✓ REDD-Plus and R-PP messages disseminated</u> <u>✓ REDD-Plus Strategy Document</u>	<u>x</u>	<u>x</u>	<u>x</u>
<u>Component 2a</u>	<u>Complete assessment of Land use, Forest Policy and Governance</u>	<u>Updated Status report on trends in Land use, Forest Policy and Governance</u>	<u>✓ Quality of information in the assessment report</u>	<u>✓ Report of trends in Land use, Forest Policy and Governance</u>			<u>x</u>
<u>Component 2b</u>	<u>Development of REDD-Plus Strategies</u>	<u>Approved REDD-Plus Strategies for Uganda by end of 2014</u>	<u>✓ Quality and adequacy of the REDD-Plus Strategies</u> <u>✓ Extent of ownership and knowledge of the Strategies countrywide</u>	<u>✓ Uganda REDD-Plus Strategy Document</u> <u>✓ Media reports and other forms of reporting on Uganda’s preparedness for</u>			<u>x</u>

<u>Component</u>	<u>Activity/ Undertaking</u>	<u>Output</u>	<u>Key Indicator(s)</u>	<u>MoV</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>
				REDD-Plus			
<u>Component 2c</u>	<u>Develop REDD Implementation Framework</u>	<u>Approved Implementation Framework by end of 2014</u>	<ul style="list-style-type: none"> ✓ <u>Description of Implementation Framework</u> 	<ul style="list-style-type: none"> ✓ <u>Records of Steering Committee decision on Implementation Framework</u> 		x	x
		<u>National Capacity for implementing REDD –Plus Strategy (Institutional, Policy, facilities, personnel, systems and procedures)</u>	<ul style="list-style-type: none"> ✓ <u>Institutional structures and processes established for REDD-Plus implementation</u> ✓ <u>Tools, systems and procedures for implementation</u> ✓ <u>Capacity within REDD-Plus National Focal Point and Implementing Institutions to implement REDD –Plus Strategy</u> 	<ul style="list-style-type: none"> ✓ <u>Documents and Reports of approved Tools, Systems and procedures</u> ✓ <u>Record of decisions approving institutional processes and structures,</u> ✓ <u>Staff and institutional capacities built and Facilities provided for REDD-Plus implementation</u> 	x	x	x
<u>Component 2d</u>	<u>Develop ESMF</u>	<u>ESMF for Uganda’s REDD – Plus Strategy by end of 1st quarter 2012</u>	<ul style="list-style-type: none"> ✓ <u>Description of the Environmental and Social issues and safeguards</u> 	<ul style="list-style-type: none"> ✓ <u>Approved ESMF document</u> 	x		
		<u>Capacity to implement ESMF</u>	<ul style="list-style-type: none"> ✓ <u>Capacity to apply ESMF</u> ✓ <u>Monitoring and Evaluation systems for</u> 	<ul style="list-style-type: none"> ✓ <u>Documents containing approved Tools, Systems and procedures for monitoring</u> 		x	x

<u>Component</u>	<u>Activity/ Undertaking</u>	<u>Output</u>	<u>Key Indicator(s)</u>	<u>MoV</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>
			<u>ESMF</u>	<u>and evaluating ESMF</u> <u>✓ Staff and institutional capacities built and Facilities provided for ESMF implementation</u>			
<u>Component 3</u>	<u>Develop Reference Scenario for Uganda</u>	<u>Data/information on Uganda's Future Scenario by end of 2013</u>	<u>✓ Data sets</u>	<u>✓ Document containing data/information on Reference Scenario</u>	<u>x</u>	<u>x</u>	
		<u>Capacity and facilities for establishing and measuring/monitoring future scenario</u>	<u>✓ Human and institutional capacity/facilities</u>	<u>✓ Staff and institutional capacities built and Facilities provided for Measuring and monitoring Future /Reference Scenario</u>		<u>x</u>	<u>x</u>
<u>Component 4</u>	<u>Design a REDD-Plus Monitoring System (Monitoring, Reporting and Verification)</u>	<u>System and procedures for Monitoring, Reporting and Verifying REDD -Plus activities by end of 2014</u>	<u>✓ Quality and adequacy of the MRV System and procedures</u>	<u>✓ Approved MRV Document containing baseline, procedures and systems for MRV</u>		<u>x</u>	<u>x</u>
		<u>Capacity and facilities for MRV implementation</u>	<u>✓ Human and institutional capacity/facilities</u>	<u>✓ Staff and institutional capacities built and Facilities provided for implementing</u>		<u>x</u>	<u>x</u>

<u>Component</u>	<u>Activity/ Undertaking</u>	<u>Output</u>	<u>Key Indicator(s)</u>	<u>MoV</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>
				<u>MRV Systems and procedures</u> ✓ <u>Information generated from MRV application</u>			
<u>Component 5</u>	<u>Design Monitoring and Evaluation framework for R-PP implementation</u>	<u>Monitoring and evaluation system and procedures prepared by end of 2012</u>	✓ <u>Quality and adequacy of the M&E System</u>	✓ <u>Approved M&E Framework</u> ✓ <u>Staff and institutional capacities built and Facilities provided for implementing M&E Framework</u>	x		
		<u>Baseline information on R-PP implementation issues and requirements for informing indicators by 2nd half of 2012</u>	✓ <u>Quality and adequacy of the baseline information</u>	✓ <u>Information generated from M&E application</u>	x		
<u>Component 6</u>	<u>Develop Implementation Schedule and Budget</u>	<u>R-PP Implementation Schedule and budget prepared by end of 1st quarter 2012</u>	✓ <u>Funding proposals, levels and sources of funding to R-PP implementation</u> ✓ <u>Activity schedules</u>	✓ <u>Funding proposals Documents</u> ✓ <u>R-PP Budget</u>	x		
<u>Component 1a</u>	<u>Establish R-PP implementation</u>	<u>R-PP Implementaton Structures in place</u>	<u>R-PP Implementation Structure</u>	<u>Appointment letters</u>	x		

	Structures		Composition of the structures				
	Facilitating functioning of the Coordination and supervision processes	Well-coordinated and supervised R-PP implementation Stakeholder ownership and participation in R-PP implementation	Level and quality of services and inputs provided by the Coordination and Supervision processes	Records	×	×	×
	Establish R-PP Secretariat/National Focal Point in FSSD	Functioning Secretariat	Personnel and facilities	Records Observations	×		
Component 1b	Develop Consultations and Participation Strategy						
	Awareness and Communication Strategy						
	Stakeholder Consultations and Participation	Stakeholder engagement in R-PP implementation	Types and levels of Stakeholder participation Quality of engagement and inputs from Stakeholders Extent of integrating Stakeholder inputs into REDD-Plus Strategy	Reports REDD-Strategy Document	×	×	×

Component 2c	Develop REDD Implementation Framework	Approved Implementaton Framework	Description of Implementation Framework	Documents		*	*
		Capacity for implementing REDD Strategy	Tools and systems for implementation Capacity within REDD national Focal Point and Implementing Institutions to implement REDD Strategy	Documents and Reports Staff and institutional Performance and facilities	*	*	*
Component 2d	Develop ESFM	ESFM for Uganda's REDD Strategy	Description of the Environmental and Social issues and safeguards	ESFM document	*		
		Capacity to implement ESFM	Capacity to apply ESFM Monitoring and Evaluation systems for ESFM	Document		*	*
Component 4	Design a REDD Monitoring System	System and procedures for Monitoring, Reporting and Verifying REDD activities					
		MRV					
Component 5	Design Monitoring and Evaluation framework for R-PP implementation	Monitoring and evaluation system and procedures	Quality and adequacy of the M&E System	Document	*		

COMPONENT 6: SCHEDULE AND BUDGET

6. IMPLEMENTATION AND BUDGET

Table 36: R-PP Implementation Budget 6.1 – Implementation strategy

The R-PP shall be implemented as a framework for developing, assessing and prioritizing various REDD-Plus strategy options that will address drivers of deforestation and forest degradation as outlined in Component 2(a) from which all Implementing Institutions shall derive action corresponding to their assigned tasks (Component 1 a). The overall implementation responsibility shall be coordinated by the MWE as a convener and facilitator for the R-PP process for Uganda.

In order to ensure cost-effective implementation of R-PP, the following strategies shall be deployed:

- a) — **Institutional strengthening:** A key element of R-PP implementation approach will be to strengthen institutional capacities, and build mechanisms for collaboration between and among Implementing institutions and REDD Partners including NGOs and private sector. The R-PP budget shall contribute to institutional strengthening through imparting technical skills and the development of appropriate REDD-Plus tools and methodologies. Expertise within REDD Partners institutions shall be used as appropriate and complemented by externally sources expertise.
- b) — **Integration of REDD-Plus Strategy into national development and sectoral plans and programmes:** R-PP implementation will seek to integrate REDD-Plus Strategies into Water and Environment Sector Investment Plan and related Sectoral Plans such as Agriculture and Land.
- c) — **Collaboration and participation:** R-PP implementation will seek participation of the stakeholder institutions, both government and non-government, at field and national levels. This collaboration targets to capture synergies, mandates and capacities increased impact. This aspect will be enhanced through development of tools and procedures for collaboration and or joint action.
- d) — **Monitoring and evaluation:** R-PP implementation will be monitored to measure progress and address shortcoming as they arise. One of the principles of this M&E is action learning and integration of lessons learnt into subsequent work plans and implementation approaches.
- e) — **Ensuring REDD-Plus compliant investments:** all R-PP activities shall be subjected to REDD-Plus Guidelines and Standards as appropriate.
- f) — **Integrating Cross-cutting issues:** the following cross-cutting issues will be integrated into R-PP implementation at policy and activity levels: Gender, HIV/AIDs and Culture.

Integration will be achieved at annual work planning levels. Measurements for the progress on these issues will be integrated into annual M&E indicators.

6.2—Capacity needs for R-PP implementation

R-PP implementation requires institutional and individual technical capacities in various areas and sufficient operational funds. Technical capacities will be required in developing tools and methodologies for REDD, information management and analysis, participatory planning and engagement processes, developing Carbon market, setting up demonstration projects, among others. Civil education and awareness and outreach programs are necessary to get REDD-Plus understood.

Research and information management capacity will also need to be strengthened to enable cost-effective planning. The country needs to define (and demarcate) key focus areas for REDD-Plus where the potential for REDD-Plus is feasible financially, socially and politically. Information is especially needed on relevant activities and their effectiveness in achieving emission reduction from deforestation and forest degradation. Additional capacity needs areas encompass management of relations with UNFCCC, REDD-Plus processes and partnerships and technical bodies.

6.3—Funding arrangements

The R-PP implementation shall be funded from three major sources.

- a) — Funding from Implementing institutions through operational budgets provided by government or own generated funds for institutional type activities e.g., FSSD, NFA, MWE and Districts.
- b) — Donor funding e.g., FCPF
- c) — Private sector for investments suitable to development and managed under private sector (including NGO) arrangements).

The Ministry of Water and Environment shall receive, manage and account for externally funded activities of the R-PP implementation budget. Systems for regular reporting, communication and participatory planning shall be developed and applied so as to ensure transparency in funds allocation and utilization.

6.4—Accountability measures

R-PP implementation will maintain transparency in decision-making processes at work planning, budgeting, reporting and monitoring, ensuring that stakeholders get involved in decision making processes as appropriate and are kept informed of progress and future plans. The REDD-Plus Steering Committee shall serve a crucial purpose in this regards. This approach is fundamental to ensuring accountability, developing, maintaining and improving rapport between the institutions involved in R-PP implementation.

6.5—Risks and Assumptions

There are risks that could render the R-PP implementation difficult or unattainable. The risks in question are those events with possibility to occur and affect the achievement of the R-PP objectives and outputs, either negatively or positively. Therefore, an assessment of these risks will be carried out, involving identification of the likely effect and probability or likelihood of these risks occurring.

The following risks are foreseen:

- a) — ~~**Implementing R-PP with multiple players:**~~ This risk would be addressed through developing and applying a strong M&E framework and processes for convening and bringing into action different players including various coordination and supervision mechanisms (Component 1a).
- b) — ~~**Applying the REDD Plus procedures and standards:**~~ R-PP is a new development process in the country and as such, its implementation considerations and approaches require a new institutional approach. To manage this risk, the role of Experts and Facilitators may be required on deserving cases.
- c) — ~~**Inadequate institutional capacity:**~~ This is likely to affect aspects of fulfilling institutional mandates and obligations such as adherence to quality and standards expected by REDD Plus. This risk could be addressed through the institutional capacity strengthening and development and application of standard tools and methodologies for REDD Plus.
- d) — ~~**Political support:**~~ the current political support may be guaranteed over the long term. However, national priorities may require flexibility to accommodate future changes in policy regarding land and forestry resources development and management. It will be strategic to work towards positioning the R-PP as an effective tool for defining future sustainable forest management on aspects directly contributing towards reducing emissions from deforestation and forest degradation.

The R-PP implementation also takes into account the following assumptions:

- a) — Identified drivers and effects of deforestation and forest degradation are credible and worthy foundations for future REDD Plus Strategy for Uganda.
- b) — There is sufficient legal, policy and institutional framework to permit and facilitate the R-PP implementation.
- c) — There will be resources (financial, technical and political leverage) to facilitate the implementation of R-PP.
- d) — The R-PP will be recognized as a tool and process for defining future investments into addressing deforestation and forest degradation in Uganda.

6.6 R-PP Implementation Budget

National Readiness Management Arrangements Activities and Budgets (US\$)			
Main Activity	Sub-Activity	Estimated Cost (US\$)	
		Lead	2012
Engage the National Policy Committee on Environment	Convene meetings, prepare information and briefings	OPM	0
National Focal Point — establish and operationalize the National Focal Point	Office costs...office space, personnel, travel, communications, office supplies, capacity strengthening	FSSD	10
National Focal Point personnel Costs...	Hiring technical personnel and associated costs	FSSD	36
National Technical Committee Costs...	Formation of the NTC, meeting and operations costs	FSSD	6
Task Forces Costs...	Formation of Task Forces, meeting and operations costs	FSSD	8
R-PP Implementation Coordination and supervisions	REDD Steering Committee... formation of RSC, meeting and operations costs	MoWE	2
Total		-	\$62
Domestic Government		\$	\$
FCPF		\$	\$
UN-REDD Programme (if applicable)		\$	\$
Other Development Partner 1 (name)		\$	\$
Other Development Partner 2 (name)		\$	\$
Activity Plan and Schedule for Developing REDD-plus Consultation and Out-reach Plan and Budget			
Main Activity	Sub-Activity	Estimated Cost (US\$)	
		Lead	2012
Identify and recruit Experts	Develop Terms of Reference	REDD Focal Point	1
	Recruit Consultant/experts	REDD Focal Point	
Prepare REDD-COP	Commission Consultants	REDD Focal Point	8
	Supervise Consultants	REDD Focal Point	
Validate REDD-COP	Convene Stakeholders platform/workshop to review and provide input into the draft REDD-COP and communications tools	REDD Focal Point	12

Uganda Draft R-PP (Revision of 4th March Informal Submission January 10, 2011)

Disseminate the REDD-COP	Publish and disseminate REDD-COP	REDD Focal Point	2
Integrate REDD-COP into R-PP	Revise the R-PP document	REDD Focal Point	
Stakeholder engagement in R-PP Finalization	Conduct Stakeholder consultations /facilitate Stakeholder participation in various aspects of R-PP	REDD Focal Point	80
Monitoring effectiveness of Stakeholder engagement	Develop and apply M&E tools	REDD Focal Point	2
Total		-	\$105
Domestic Government		\$	\$40
FCPF		\$	\$70
UN-REDD Programme (if applicable)		\$	\$
Other Development Partner 1 (name)		\$	\$
Other Development Partner 2 (name)		\$	\$
Other Development Partner 3 (name)		\$	\$
Activity Plan and Schedule for Developing REDD-plus Awareness and Communication			
Main Activity	Sub-Activity	Lead	2012
Identify and recruit Experts	Develop Terms of Reference	REDD Focal Point	2
	Recruit Consultant/experts	REDD Focal Point	
Prepare RACS	Commission Consultants	REDD Focal Point	8
	Supervise Consultants	REDD Focal Point	
Validate RACS	Convene Stakeholders platform/workshop to review and provide input into the draft REDD-RACS and communications tools	REDD Focal Point	12
Disseminate the RACS	Publish and disseminate RACS	REDD Focal Point	5
Integrate RACS into R-PP	Revise the R-PP document	REDD Focal Point	NH
Stakeholder informed of REDD-Plus and R-PP	Implement RACS	Lead Institution	100
Monitoring effectiveness of Stakeholder engagement	Develop and apply M&E for RACS	REDD Steering	12
Total		-	\$139
Domestic Government		\$	\$
FCPF		\$	\$
UN-REDD Programme (if applicable)		\$	\$
Other Development Partner 1 (name)		\$	\$
Other Development Partner 2 (name)		\$	\$

Uganda Draft R-PP (Revision of 4th March Informal Submission January 10, 2011)

Other Development Partner 3 (name)		\$	\$
-Developing REDD-Plus Strategies			
Main Activity	Sub-Activity	Estimated Cost (US\$)	
		Lead	2012
Assign the task of developing the REDD-Plus Strategy to the relevant task forces	Develop the terms of reference for the task force	REDD Focal Point	25
	Designate task force membership and lead person	REDD Steering	10
Initiate work of the task force	Hold initial task force meetings, develop the workplan for the task force for the R-PP period leading to completion of the task	REDD Focal Point	60
	Assess potential strategic options proposed in the R-PP and assess needs for additional information required to inform the design of the strategy, including proposals for early implementation of pilot or demonstration activities	REDD Focal Point	135
	Designate experts and collect additional information and perform the analyses required	REDD Steering	210
	Select strategies and activities for piloting and testing.	REDD Steering	20
Hold consultative workshops to ensure stakeholder involvement	Hold consultative workshops to ensure stakeholder involvement	REDD Focal Point	60
Begin early implementation of pilot strategies	Finalise plans for early implementation activities and carry SESA on the proposed activities	REDD Focal Point	210
	Approval by National REDD+ Steering Committee for implementation of the activities proposed	REDD Steering	20
	Establish the mechanisms on the ground for coordination and management of the proposed activities to ensure appropriate accounting, oversight, and transparency in the implementation of the activities	REDD Focal Point	135
	Implement activities in the Strategy (to be cross-linked with other component budgets but may include: addressing drivers, assuring co-benefits, setting appropriate SMF standards, law enforcement, institutional support, and intergration in other sectoral programs)	Implementing Agencies	210
Evaluate and monitor outcomes of early implementation activities	a. Design a TOR and contract an external consultant to the Task Force to evaluate the outcomes and lessons learned	REDD Focal Point	210

Uganda Draft R-PP (Revision of 4th March Informal Submission January 10, 2011)

	b. Generation of progress reports from implementation activities, and in due course final reports assessing the impacts (cross-linked with the Focal Point costs)	REDD Focal Point	0
Develop and finalise the National REDD-Plus Strategy	a. Carry out economic analysis to determine cost effectiveness of the proposed REDD-Plus strategies on a national scale	REDD Focal Point	210
	b. Carry out evaluation and consultation workshops, incorporate feedback	REDD Focal Point	60
	c. Review the institutional structures for suitability for implementing the proposed strategies	REDD Focal Point	210
	d. Finalise the Draft Strategy for review by the National Steering Committee and stakeholder groups (cross-linked with the Focal Point costs)	REDD Focal Point	0
	e. Endorsement of the Strategy by REDD-Plus Steering Committee (cross-linked with other REDD Steering Committee Coosts)	REDD Steering committee	0
Publicise the approved strategy	Publicity and awareness activities to inform the public and stakeholders of the approved REDD+ Strategy for Uganda	REDD Focal Point	300
Total		-	2,085
Domestic Government		\$	\$
FCPF		\$	\$
UN-REDD Programme (if applicable)		\$	\$
Other Development Partner 1 (name)		\$	\$
Other Development Partner 2 (name)		\$	\$
Other Development Partner 3 (name)		\$	\$
REDD Implementation Framework			
Main Activity	Sub-Activity	Estimated Cost (US\$)	
Develop REDD Implementation Framework		Lead	2012
	Situational analysis—policy legal and institutional set up	REDD Focal Point	30
	Consultation scoping and analysis of changes needed	REDD Focal Point	-
	Assessment of options for fund management	REDD Focal Point	-
	Consolidation and writing of the strategic and detailed vision	REDD Focal Point	-
	Writing of draft texts of reform	REDD Focal Point	-
	Study on required management capacity and skills	REDD Focal Point	25

Uganda Draft R-PP (Revision of 4th March Informal Submission January 10, 2011)

	Supporting the first implementation phase of the programme	REDD Focal Point	-
	Training and lobbying	REDD Focal Point	30
	Consultations and completion of legal texts	REDD Focal Point	-
	Institutional administrative costs	REDD Focal Point	20
	Monitoring of the implementation	REDD Focal Point	-
Total		-	85
Domestic Government		\$	\$
FCPF		\$	\$
UN-REDD Programme (if applicable)		\$	\$
Other Development Partner 1 (name)		\$	\$
Other Development Partner 2 (name)		\$	\$
Other Development Partner 3 (name)		\$	\$
Developing the ESMF			
Main Activity	Sub-Activity	Estimated Cost (US\$)	
Develop ESMF	Develop a coordination mechanism to oversee the development and implementation of the ESMF	REDD Focal Point	10
	Identify a team of multi-disciplinary professionals (preferably registered environmental practitioners) with experience in Social and Environmental assessment for the development of the ESMF	REDD Focal Point	10
	Capacity building conducted on SEA in general and REDD+ SESA principles and practice in particular	REDD Focal Point	30
	Identify sample sites where SESA will be conducted (based on existent ecological zones in Uganda)	REDD Focal Point	60
	Organize 1 stakeholder workshop per ecological zone to refine the pilot ESMF	REDD Focal Point	-
	Develop actual REDD+ ESMF that incorporates multi-stakeholder views (especially those of vulnerable and marginalized groups) in conformity to national and international policy and legislation as well as relevant WB policies	REDD Focal Point	-
	Participatory Monitoring and Evaluation at specified periods throughout the ESMF development process	REDD Focal Point	20
	Total		-

Uganda Draft R-PP (Revision of 4th March Informal Submission January 10, 2011)

Domestic Government		\$	\$
FCPF		\$	\$
UN-REDD Programme (if applicable)		\$	\$
Other Development Partner 1 (name)		\$	\$
Other Development Partner 2 (name)		\$	\$
Other Development Partner 3 (name)		\$	\$
-Reference Scenario Activities, Schedule and Budget			
Main Activity	Sub-Activity	Estimated Cost (US\$)	
Design and Coordination	-	REDD Focal Point	100
Capacity building	-	REDD Focal Point	20
Evaluate and modify the NBS	Accuracy assessment of NBS	REDD Focal Point	20
	Methodology modification to match REDD-Plus requirements	REDD Focal Point	25
Remote sensing data (gather and process activity data)	Acquisition of equipment (hardware & software)	REDD Focal Point	-
	Acquisition of remote sensing data	REDD Focal Point	-
	Data processing, analysis & interpretation	REDD Focal Point	-
	Accuracy assessment	REDD Focal Point	-
Field inventory (gather and evaluate emission data)	-	REDD Focal Point	50
Historical emissions	Combination of activity and emission data	REDD Focal Point	-
Reference Scenario including peer review	National Reference Scenario	REDD Focal Point	-
	Selection of hot spots and develop 1-2 sub-national reference scenarios	REDD Focal Point	-
Total		-	\$215
Domestic Government		\$	\$
FCPF		\$	\$
UN-REDD Programme (if applicable)		\$	\$
Other Development Partner 1 (name)		\$	\$
Other Development Partner 2 (name)		\$	\$
Other Development Partner 3 (name)		\$	\$
-MRV Activities, Schedule and Budget			
Main Activity	Sub-Activity	Estimated Cost (US\$)	
Coordination	-	-	2012
			50

Uganda Draft R-PP (Revision of 4th March Informal Submission January 10, 2011)

Objectives and standards of the monitoring system	-	-	20
Capacity building	Monitoring at district level	-	50
	Training on evaluation of high resolution remote sensing data	-	25
	Pilot projects for community monitoring	-	-
	Training on data management	-	10
Development of monitoring plan	Develop set of indicators and measurement methodologies for monitoring of ecological and social co-benefits	-	50
	Selection of methodology and tools	-	-
	Development of procedures and work plans	-	-
Development of reporting system	Design of data management system	-	-
	Integration of REDD+ projects	-	-
System review	Equipment	-	-
MRV implementation	Acquiring remote sensing data	-	-
	Acquiring field inventory data	-	-
	Data processing and analysis	-	-
	QC and QA	-	-
	Verification	-	-
Total		-	\$205
Domestic Government		\$	\$
FCPF		\$	\$
UN-REDD Programme (if applicable)		\$	\$
Other Development Partner 1 (name)		\$	\$
Other Development Partner 2 (name)		\$	\$
Other Development Partner 3 (name)		\$	\$
-	-	-	-
GRAND TOTAL	-	-	-
-	-	-	-

R-PP IMPLEMENTATION BUDGET (2012-2014)

Summary of Activity and Schedules for National Readiness Management Arrangements Activities and Budgets (US\$)						
Main Activity	Sub-Activity	Estimated Cost (US\$)				
		Lead	2012	2013	2014	Total
<u>Engage the National Policy Committee on Environment</u>	<u>Convene meetings, prepare information and briefings</u>	<u>OPM</u>	<u>0</u>	<u>=</u>	<u>=</u>	<u>=</u>
<u>National Focal Point -- establish and operationalize the National Focal Point</u>	<u>Office costs...office space, personnel, travel, communications, office supplies, capacity strengthening</u>	<u>FSSD</u>	<u>10</u>	<u>11</u>	<u>12</u>	<u>33</u>
<u>National Focal Point personnel Costs...</u>	<u>Hiring technical personnel and associated costs</u>	<u>FSSD</u>	<u>36</u>	<u>38</u>	<u>40</u>	<u>114</u>
<u>National Technical Committee Costs...</u>	<u>Formation of the NTC , meeting and operations costs</u>	<u>FSSD</u>	<u>6</u>	<u>6</u>	<u>6</u>	<u>18</u>
<u>Taskforces Costs...</u>	<u>Formation of Taskforces, meeting and operations costs</u>	<u>FSSD</u>	<u>8</u>	<u>8</u>	<u>8</u>	<u>24</u>
<u>R-PP Implementation Coordination and supervisions</u>	<u>REDD Steering Committee... .. formation of RSC, meeting and operations costs</u>	<u>MoWE</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>6</u>
<u>Total</u>		<u>-</u>	<u>\$62</u>	<u>65</u>	<u>68</u>	<u>195</u>

Uganda Draft R-PP (Revision of 4th March Informal Submission January 10, 2011)

<u>Domestic Government</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>
<u>FCPF</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>
<u>UN-REDD Programme (if applicable)</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>
<u>Other Development Partner 1 (name)</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>
<u>Other Development Partner 2 (name)</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>
<u>Other Development Partner 3 (name)</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>
-	-	-	-	-	-

Summary of Activity Plan and Schedule for Developing REDD-plus Consultation and Out-reach Plan and Budget

<u>Main Activity</u>	<u>Sub-Activity</u>	<u>Estimated Cost (US\$)</u>				
		<u>Lead</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>Total</u>
<u>Identify and recruit Experts</u>	<u>Develop Terms of Reference</u>	<u>REDD Focal Point</u>	<u>1</u>	<u>-</u>	<u>-</u>	<u>1</u>
	<u>Recruit Consultant/experts</u>	<u>REDD Focal Point</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>Prepare REDD-COP</u>	<u>Commission Consultants</u>	<u>REDD Focal Point</u>	<u>8</u>	<u>-</u>	<u>-</u>	<u>8</u>
	<u>Supervise Consultants</u>	<u>REDD Focal Point</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>Validate REDD-COP</u>	<u>Convene Stakeholders platform/workshop to review and provide input into the draft REDD-COP and communications tools</u>	<u>REDD Focal Point</u>	<u>12</u>	<u>-</u>	<u>-</u>	<u>12</u>
<u>Disseminate the REDD-COP</u>	<u>Publish and disseminate REDD-COP</u>	<u>REDD Focal Point</u>	<u>2</u>	<u>3</u>	<u>-</u>	<u>5</u>
<u>Integrate REDD-COP into R-PP</u>	<u>Revise the R-PP document</u>	<u>REDD Focal Point</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>Stakeholder engagement in R-PP Finalization</u>	<u>Conduct Stakeholder consultations /facilitate Stakeholder participation in various aspects of R-PP</u>	<u>REDD Focal Point</u>	<u>80</u>	<u>120</u>	<u>100</u>	<u>300</u>
<u>Monitoring effectiveness of Stakeholder engagement</u>	<u>Develop and apply M&E tools</u>	<u>REDD Focal Point</u>	<u>2</u>	<u>4</u>	<u>6</u>	<u>12</u>
<u>Total</u>			<u>\$105</u>	<u>127</u>	<u>106</u>	<u>338</u>
<u>Domestic Government</u>		<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>
<u>FCPF</u>		<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>
<u>UN-REDD Programme (if applicable)</u>		<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>
<u>Other Development Partner 1 (name)</u>		<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>
<u>Other Development Partner 2 (name)</u>		<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>

Uganda Draft R-PP (Revision of 4th March Informal Submission January 10, 2011)

Other Development Partner 3 (name)		US\$	US\$	US\$	US\$	US\$
-						
Summary Activity Plan and Schedule for Developing Conflicts and Grievances Management Strategy and Budget						
<u>Main Activity</u>	<u>Sub-Activity</u>	<u>Estimated Cost (US\$)</u>				
		<u>Lead</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>Total</u>
<u>Identify and recruit Experts</u>	<u>Develop Terms of Reference</u>	REDD Focal Point	0	0	0	0
	<u>Recruit Consultant/Experts</u>	REDD Focal Point	0	0	0	0
<u>Prepare CGMS</u>	<u>Commission Consultants</u>	REDD Steering Committee	8	0	0	8
	<u>Supervise Consultants</u>	REDD Steering Committee	0	0	0	0
<u>Validate CGMS</u>	<u>Convene Stakeholders platform/workshop to review and provide input into the draft REDD-CGMS</u>	REDD Focal Point	12	0	0	12
<u>Disseminate the CGMS</u>	<u>Publish and disseminate CGMS</u>	REDD Focal Point	5	0	0	5
<u>Establish multi-stakeholder CGM mechanism</u>	<u>Commission and facilitate work of the Multi-stakeholder Conflict Resolution/Grievances management mechanism</u>	REDD Steering Committee	3	5	5	13
<u>Monitoring effectiveness of CGMS</u>	<u>Develop and apply M&E for CGMS</u>	REDD Steering Committee	2	2	2	6
Total		-	30	7	7	44
<u>Domestic Government</u>		US\$	US\$	US\$	US\$	US\$
<u>FCPF</u>		US\$	US\$	US\$	US\$	US\$
<u>UN-REDD Programme (if applicable)</u>		US\$	US\$	US\$	US\$	US\$
<u>Other Development Partner 1 (name)</u>		US\$	US\$	US\$	US\$	US\$
<u>Other Development Partner 2 (name)</u>		US\$	US\$	US\$	US\$	US\$
<u>Other Development Partner 3 (name)</u>		US\$	US\$	US\$	US\$	US\$
-						
-						
Summary Activity Plan and Schedule for Developing REDD-plus Awareness and Communication Strategy (RACS) and Budget						
<u>Main Activity</u>	<u>Sub-Activity</u>	<u>Estimated Cost (US\$)</u>				

Uganda Draft R-PP (Revision of 4th March Informal Submission January 10, 2011)

		<u>Lead</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>Total</u>
<u>Identify and recruit Experts</u>	<u>Develop Terms of Reference</u>	<u>REDD Focal Point</u>	<u>2</u>	<u>-</u>	<u>-</u>	<u>2</u>
	<u>Recruit Consultant/experts</u>	<u>REDD Focal Point</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>Prepare RACS</u>	<u>Commission Consultants</u>	<u>REDD Focal Point</u>	<u>8</u>	<u>-</u>	<u>-</u>	<u>8</u>
	<u>Supervise Consultants</u>	<u>REDD Focal Point</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>Validate RACS</u>	<u>Convene Stakeholders platform/workshop to review and provide input into the draft REDD-RACS and communications tools</u>	<u>REDD Focal Point</u>	<u>12</u>	<u>-</u>	<u>-</u>	<u>12</u>
<u>Disseminate the RACS</u>	<u>Publish and disseminate RACS</u>	<u>REDD Focal Point</u>	<u>5</u>	<u>-</u>	<u>-</u>	<u>5</u>
<u>Integrate RACS into R-PP</u>	<u>Revise the R-PP document</u>	<u>REDD Focal Point</u>	<u>NIL</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>Stakeholder informed of REDD-Plus and R-PP</u>	<u>Implement RACS</u>	<u>Lead Institution</u>	<u>100</u>	<u>-</u>	<u>-</u>	<u>100</u>
<u>Monitoring effectiveness of Stakeholder engagement</u>	<u>Develop and apply M&E for RACS</u>	<u>REDD Steering</u>	<u>12</u>	<u>-</u>	<u>-</u>	<u>12</u>
Total		-	\$139	-	-	139
<u>Domestic Government</u>		<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>
<u>FCPF</u>		<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>
<u>UN-REDD Programme (if applicable)</u>		<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>
<u>Other Development Partner 1 (name)</u>		<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>
<u>Other Development Partner 2 (name)</u>		<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>
<u>Other Development Partner 3 (name)</u>		<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>
-						
Summary of Activity Plans and Schedule for carrying out Assessment of Land Use, Forest Policy and Governance Activities and Budget						
		Estimated Cost (in thousands)				
Main Activity	Sub-Activity	2012	2013	2014	Total	
<u>Updating inventory data on status of forests (biomass inventory)</u>	<u>Carry out forestry mapping and inventory</u>	<u>200</u>	<u>200</u>	<u>100</u>	<u>500</u>	

Uganda Draft R-PP (Revision of 4th March Informal Submission January 10, 2011)

<u>Review community benefit sharing arrangements and fund channelling arrangements for REDD</u>		-	-	-	0	
	<u>Conduct review of ongoing benefits sharing arrangements</u>	<u>25</u>			25	
	<u>Design and gazette benefit sharing and fund channelling mechanisms</u>		<u>15</u>		15	
<u>Review of CRM/CFM approaches to improve effectiveness, efficiency and community empowerment</u>			<u>25</u>		25	
	<u>Carry out review</u>					
	<u>Implement recommendations of review on a pilot basis</u>		<u>10</u>	<u>15</u>	25	
<u>Review policies & laws relevant to REDD-Plus</u>	<u>Carry out review</u>	<u>20</u>			20	
	<u>Develop Policy reforms paper</u>		<u>15</u>		15	
Total		245	265	115	625	
<u>Government</u>		<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	
<u>FCPF</u>		<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	
<u>UN-REDD Programme (if applicable)</u>		<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	
<u>Other Development Partner 1 (name)</u>		<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	
<u>Other Development Partner 2 (name)</u>		<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	
<u>Other Development Partner 3 (name)</u>		<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	
Summary Activity Plans and Schedule for Developing REDD-Plus Strategies and Budget						
<u>Main Activity</u>	<u>Sub-Activity</u>	<u>Estimated Cost (US\$)</u>				
		<u>Lead</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>Total</u>
<u>Assign the task of developing the REDD-Plus Strategy to the relevant task forces</u>	<u>Develop the terms of reference for the task force</u>	<u>REDD Focal Point</u>	<u>25</u>			<u>25</u>
	<u>Designate task force membership and lead person</u>	<u>REDD Steering</u>	<u>10</u>			<u>10</u>
<u>Initiate work of the task force</u>	<u>Hold initial task force meetings, develop the work plan for the task force for the R-PP period leading to</u>	<u>REDD Focal Point</u>	<u>60</u>			<u>60</u>

	<u>completion of the task</u>					
	<u>Assess potential strategic options proposed in the R-PP and assess needs for additional information required to inform the design of the strategy, including proposals for early implementation of pilot or demonstration activities</u>	<u>REDD Focal Point</u>	<u>135</u>	<u>-</u>	<u>-</u>	<u>135</u>
	<u>Designate experts and collect additional information and perform the analyses required</u>	<u>REDD Steering</u>	<u>210</u>	<u>-</u>	<u>-</u>	<u>210</u>
	<u>Select strategies and activities for piloting and testing.</u>	<u>REDD Steering</u>	<u>20</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>Hold consultative workshops to ensure stakeholder involvement</u>	<u>Hold consultative workshops to ensure stakeholder involvement</u>	<u>REDD Focal Point</u>	<u>60</u>	<u>30</u>	<u>30</u>	<u>120</u>
<u>Begin early implementation of pilot strategies</u>	<u>Finalise plans for early implementation activities and carry SESA on the proposed activities</u>	<u>REDD Focal Point</u>	<u>210</u>	<u>30</u>	<u>30</u>	<u>270</u>
	<u>Approval by National REDD+ Steering Committee for implementation of the activities proposed</u>	<u>REDD Steering</u>	<u>20</u>	<u>10</u>	<u>10</u>	<u>40</u>
	<u>Establish the mechanisms on the ground for coordination and management of the proposed activities to ensure appropriate accounting, oversight,</u>	<u>REDD Focal Point</u>	<u>135</u>	<u>60</u>	<u>60</u>	<u>255</u>

	<u>and transparency in the implementation of the activities</u>					
	<u>Implement activities in the Strategy (to be cross-linked with other component budgets but may include: addressing drivers, assuring co-benefits, setting appropriate SMF standards, law enforcement, institutional support, and integration in other sectoral programs)</u>	<u>Implementing Agencies</u>	<u>210</u>	<u>2,000</u>	<u>2,000</u>	<u>4,210</u>
<u>Evaluate and monitor outcomes of early implementation activities</u>	<u>a. Design a TOR and contract an external consultant to the Task Force to evaluate the outcomes and lessons learned</u>	<u>REDD Focal Point</u>	<u>210</u>	<u>135</u>	<u>135</u>	<u>480</u>
	<u>b. Generation of progress reports from implementation activities, and in due course final reports assessing the impacts (cross-linked with the Focal Point costs)</u>	<u>REDD Focal Point</u>	<u>0</u>	<u>=</u>	<u>=</u>	<u>=</u>
<u>Develop and finalise the National REDD-Plus Strategy</u>	<u>a. Carry out economic analysis to determine cost effectiveness of the proposed REDD-Plus strategies on a national scale</u>	<u>REDD Focal Point</u>	<u>210</u>	<u>135</u>	<u>135</u>	<u>480</u>
	<u>b. Carry out evaluation and consultation workshops, incorporate feedback</u>	<u>REDD Focal Point</u>	<u>60</u>	<u>60</u>	<u>60</u>	<u>180</u>
	<u>c. Review the institutional structures for suitability for implementing the proposed strategies</u>	<u>REDD Focal Point</u>	<u>210</u>	<u>=</u>	<u>=</u>	<u>210</u>

Uganda Draft R-PP (Revision of 4th March Informal Submission January 10, 2011)

	<u>d. Finalise the Draft Strategy for review by the National Steering Committee and stakeholder groups (cross-linked with the Focal Point costs)</u>	<u>REDD Focal Point</u>	<u>0</u>	<u>-</u>	<u>-</u>	<u>-</u>
	<u>e. Endorsement of the Strategy by REDD-Plus Steering Committee (cross-linked with other REDD Steering Committee Costs)</u>	<u>REDD Steering committee</u>	<u>0</u>	<u>-</u>	<u>-</u>	<u>-</u>
<u>Publicise the approved strategy</u>	<u>Publicity and awareness activities to inform the public and stakeholders of the approved REDD+ Strategy for Uganda</u>	<u>REDD Focal Point</u>	<u>300</u>	<u>300</u>	<u>300</u>	<u>900</u>
<u>Total</u>		<u>-</u>	<u>2,085</u>	<u>2,760</u>	<u>2,760</u>	<u>7,605</u>
<u>Domestic Government</u>		<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>
<u>FCPF</u>		<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>
<u>UN-REDD Programme (if applicable)</u>		<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>
<u>Other Development Partner 1 (name)</u>		<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>
<u>Other Development Partner 2 (name)</u>		<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>
<u>Other Development Partner 3 (name)</u>		<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>
<u>Summary Activity Plan and Schedule for developing REDD Implementation Framework and Budget</u>						
<u>Main Activity</u>	<u>Sub-Activity</u>	<u>Estimated Cost (US\$)</u>				
		<u>Lead</u>	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>Total</u>
<u>Develop REDD Implementation Framework</u>	<u>Situational analysis – policy legal and institutional set up</u>	<u>REDD Focal Point</u>	<u>30</u>	<u>-</u>	<u>-</u>	<u>30</u>
	<u>Consultation scoping and analysis of changes needed</u>	<u>REDD Focal Point</u>	<u>-</u>	<u>20</u>	<u>-</u>	<u>20</u>
	<u>Assessment of options for fund management</u>	<u>REDD Focal Point</u>	<u>-</u>	<u>30</u>	<u>-</u>	<u>30</u>
	<u>Consolidation and writing of the strategic and detailed vision</u>	<u>REDD Focal Point</u>	<u>-</u>	<u>-</u>	<u>20</u>	<u>20</u>
	<u>Writing of draft texts of reform</u>	<u>REDD Focal Point</u>	<u>-</u>	<u>-</u>	<u>100</u>	<u>100</u>
	<u>Study on required management capacity and skills</u>	<u>REDD Focal Point</u>	<u>25</u>	<u>25</u>	<u>-</u>	<u>50</u>

Uganda Draft R-PP (Revision of 4th March Informal Submission January 10, 2011)

	<u>Supporting the first implementation phase of the programme</u>	<u>REDD Focal Point</u>	-	-	<u>200</u>	<u>200</u>	
	<u>Training and lobbying</u>	<u>REDD Focal Point</u>	<u>30</u>	<u>30</u>	<u>30</u>	<u>90</u>	
	<u>Consultations and completion of legal texts</u>	<u>REDD Focal Point</u>	-	<u>50</u>	<u>50</u>	<u>100</u>	
	<u>Institutional administrative costs</u>	<u>REDD Focal Point</u>	<u>20</u>	<u>20</u>	<u>20</u>	-	
	<u>Monitoring of the implementation</u>	<u>REDD Focal Point</u>	-	-	<u>30</u>	-	
	Total		85	155	400	640	
<u>Domestic Government</u>		<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	
<u>FCPF</u>		<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	
<u>UN-REDD Programme (if applicable)</u>		<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	
<u>Other Development Partner 1 (name)</u>		<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	
<u>Other Development Partner 2 (name)</u>		<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	
<u>Other Development Partner 3 (name)</u>		<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	
Summary Activity Plans and Schedule for Developing the ESMF and budget							
	<u>Main Activity</u>	<u>Sub-Activity</u>	<u>Estimated Cost (US\$)</u>				
	<u>Develop ESMF</u>	<u>Develop a coordination mechanism to oversee the development and implementation of the ESMF</u>	<u>REDD Focal Point</u>	<u>10</u>	-	-	<u>10</u>
		<u>Identify a team of multi-disciplinary professionals (preferably registered environmental practitioners) with experience in Social and Environmental assessment for the development of the ESMF</u>	<u>REDD Focal Point</u>	<u>10</u>	-	-	<u>10</u>
		<u>Capacity building conducted on SEA in general and REDD+ SESA principles and practice in particular</u>	<u>REDD Focal Point</u>	<u>30</u>	-	-	<u>30</u>
		<u>Identify sample sites where SESA will be conducted (based on existent ecological zones in Uganda)</u>	<u>REDD Focal Point</u>	<u>60</u>	<u>60</u>	-	<u>120</u>

Uganda Draft R-PP (Revision of 4th March Informal Submission January 10, 2011)

	<u>Organize 1 stakeholder workshop per ecological zone to refine the pilot ESMF</u>	<u>REDD Focal Point</u>	-	<u>60</u>	-	<u>60</u>
	<u>Develop actual REDD+ ESMF that incorporates multi-stakeholder views (especially those of vulnerable and marginalized groups) in conformity to national and international policy and legislation as well as relevant WB policies</u>	<u>REDD Focal Point</u>	-	<u>15</u>	-	<u>15</u>
	<u>Participatory Monitoring and Evaluation at specified periods throughout the ESMF development process</u>	<u>REDD Focal Point</u>	<u>20</u>	<u>20</u>	<u>20</u>	<u>60</u>
Total			\$130	155	20	305
<u>Domestic Government</u>		<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>
<u>FCPE</u>		<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>
<u>UN-REDD Programme (if applicable)</u>		<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>
<u>Other Development Partner 1 (name)</u>		<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>
<u>Other Development Partner 2 (name)</u>		<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>
<u>Other Development Partner 3 (name)</u>		<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>
-		-	-	-	-	-
Summary Activity Plan and Schedule for developing Reference Scenario and Budget						
<u>Main Activity</u>	<u>Sub-Activity</u>	<u>Estimated Cost (US\$)</u>				
<u>Design and Coordination</u>	-	<u>REDD Focal Point</u>	<u>100</u>	<u>50</u>	<u>100</u>	<u>150</u>
<u>Capacity building</u>	-	<u>REDD Focal Point</u>	<u>20</u>	<u>20</u>	-	<u>20</u>
<u>Evaluate and modify the NBS</u>	<u>Accuracy assessment of NBS</u>	<u>REDD Focal Point</u>	<u>20</u>	-	-	-
	<u>Methodology modification to match REDD-Plus requirements</u>	<u>REDD Focal Point</u>	<u>25</u>	<u>25</u>	-	<u>25</u>
<u>Remote sensing data (gather and process activity data)</u>	<u>Acquisition of equipment (hardware & software)</u>	<u>REDD Focal Point</u>	-	<u>100</u>	-	<u>100</u>
	<u>Acquisition of remote sensing data</u>	<u>REDD Focal Point</u>	-	<u>600</u>	-	<u>600</u>

Uganda Draft R-PP (Revision of 4th March Informal Submission January 10, 2011)

	<u>Data processing, analysis & interpretation</u>	<u>REDD Focal Point</u>	-	-	<u>200</u>	<u>200</u>
	<u>Accuracy assessment</u>	<u>REDD Focal Point</u>	-	-	<u>10</u>	<u>10</u>
<u>Field inventory (gather and evaluate emission data)</u>		<u>REDD Focal Point</u>	<u>50</u>	<u>50</u>	<u>100</u>	<u>150</u>
<u>Historical emissions</u>	<u>Combination of activity and emission data</u>	<u>REDD Focal Point</u>	-	-	<u>50</u>	<u>50</u>
<u>Reference Scenario including peer review</u>	<u>National Reference Scenario</u>	<u>REDD Focal Point</u>	-	<u>40</u>	-	<u>40</u>
	<u>Selection of hot spots and develop 1-2 sub-national reference scenarios</u>	<u>REDD Focal Point</u>	-	-	<u>40</u>	<u>40</u>
Total			\$215	885	500	1,600
<u>Domestic Government</u>		<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>
<u>FCPF</u>		<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>
<u>UN-REDD Programme (if applicable)</u>		<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>
<u>Other Development Partner 1 (name)</u>		<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>
<u>Other Development Partner 2 (name)</u>		<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>
<u>Other Development Partner 3 (name)</u>		<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>	<u>US\$</u>
Summary Activity Plan and Schedule for developing MRV and Budget						
<u>Main Activity</u>	<u>Sub-Activity</u>	<u>Estimated Cost (US\$)</u>				
<u>Coordination</u>	-	-	<u>2012</u>	<u>2013</u>	<u>2014</u>	<u>Total</u>
			<u>50</u>	<u>50</u>	-	<u>100</u>
<u>Objectives and standards of the monitoring system</u>	-	-	<u>20</u>	-	<u>200</u>	<u>220</u>
<u>Capacity building</u>	<u>Monitoring at district level</u>	-	<u>50</u>	-	-	<u>50</u>
	<u>Training on evaluation of high resolution remote sensing data</u>	-	<u>25</u>	<u>25</u>	-	<u>50</u>
	<u>Pilot projects for community monitoring</u>	-	-	<u>20</u>	-	<u>20</u>
	<u>Training on data management</u>	-	<u>10</u>	<u>10</u>	<u>40</u>	<u>60</u>
<u>Development of monitoring plan</u>	<u>Develop set of indicators and measurement methodologies for monitoring of ecological and social co-benefits</u>	-	<u>50</u>	<u>50</u>	-	<u>100</u>

Uganda Draft R-PP (Revision of 4th March Informal Submission January 10, 2011)

	<u>Selection of methodology and tools</u>	-	-	30	-	30
	<u>Development of procedures and work plans</u>	-	-	20	-	20
<u>Development of reporting system</u>	<u>Design of data management system</u>	-	-	40	20	60
	<u>Integration of REDD+ projects</u>	-	-	-	20	20
<u>System review</u>	<u>Equipment</u>	-	-	30	40	70
<u>MRV implementation</u>	<u>Acquiring remote sensing data</u>	-	-	-	-	-
	<u>Acquiring field inventory data</u>	-	-	-	105	105
	<u>Data processing and analysis</u>	-	-	-	100	100
	<u>QC and QA</u>	-	-	-	125	125
	<u>Verification</u>	-	-	-	100	100
Total		-	\$205	275	750	1,230
<u>Domestic Government</u>		US\$	US\$	US\$	US\$	US\$
<u>FCPF</u>		US\$	US\$	US\$	US\$	US\$
<u>UN-REDD Programme (if applicable)</u>		US\$	US\$	US\$	US\$	US\$
<u>Other Development Partner 1 (name)</u>		US\$	US\$	US\$	US\$	US\$
<u>Other Development Partner 2 (name)</u>		US\$	US\$	US\$	US\$	US\$
<u>Other Development Partner 3 (name)</u>		US\$	US\$	US\$	US\$	US\$
		-	-	-	-	-
GRAND TOTAL		-	-	-	-	12,096
		-	-	-	-	-

7

Z. REFERENCES

To be provided later

8. ANNEXES

8.1 Annex 1: Composition of Uganda's REDD-Plus Working Group

The REDD Working Group was comprised of the following persons/institutions. _____

<u>Organization</u>	<u>Name</u>
<u>Government</u>	
<u>Climate Change Unit/Ministry of Water and Environment</u>	<u>Paul Isabirye</u>
<u>Directorate of Water Resources Management</u>	<u>Benon Lwanga</u>
<u>Meteorology Department</u>	<u>Muwembe Khalid</u>
<u>Ministry of Tourism, Trade and Industry</u>	<u>George Owoyesigire</u>
<u>Ministry of Lands, Housing and Urban Development</u>	<u>Muyambi Jotham</u> <u>Zaribwe Julius</u>
<u>Department of Environment Affairs</u>	<u>Mugabi Stephen David</u>
	<u>Byaruhanga Charles</u>
<u>National Environment Management Authority</u>	<u>Kitutu M Goretti</u>
<u>Climate Change Association Network</u>	<u>Kiza Wandera</u>
<u>National Environment Management Authority</u>	<u>Ronald Kagwa</u>
<u>Uganda Timber Growers Association</u>	<u>Robert Nabanyumya</u>
<u>National Forest Authority</u>	<u>Fiona F. Driciru</u>
	<u>Xavier Mugumya</u>
	<u>Rukundo Tom</u>
	<u>Ibrahim Abdul</u>
	<u>Rugambwa Dismas</u>
	<u>Elungat Eduke David</u>
<u>Uganda Wildlife Authority</u>	<u>Muhimbura Apophia</u>
<u>Ministry of Energy and Mineral Resources</u>	<u>Ahimbisibwe Michael</u>
<u>Parliamentary Forum on Climate Change-Uganda</u>	<u>Martha M. Bbosa</u>
	<u>David Ebong</u>
	<u>Sauda Mugerwa</u>
	<u>Banyenzaki Henry</u>
	<u>Kubeketerya J</u>
	<u>Milton Muwuma</u>
	<u>Kubeketerya James</u>
<u>Non –Government (NGOs)</u>	
<u>Advocate Coalition for Development and Environment</u>	<u>Mugenyi Onesmus</u>
<u>African Energy Governance Institute</u>	<u>Akankwasa Sarah</u>
<u>Albertine Rift Conservation Society</u>	<u>Cecily Kabagumya</u>
<u>CARE Uganda</u>	<u>Edith Kabesiime</u>
<u>Climate Change Conference</u>	<u>Benard Namanya</u>

Uganda Draft R-PP (Revision of 4th March Informal Submission January 10, 2011)

Climate and Development Initiatives	Edward Nyakana
Environmental Alert	Christine Nantongo
Tree Talk	Kiyingi Gaster
Africa Water Governance Institute	Bazira Henry
COFSA	Tabura John
CODCA	Ombedra Jese
UNETCOFA	Brenda Mwebaze
Environment Conservation Trust of Uganda	Kairu Gerald
Environmental Management for Livelihoods Improvements (EMLI)/Bwaise Facility	Bakiika Robert
International union of Conservation of Nature and Natural Resources	Barbara Nakangu
Katoomba Group	Sara Namirembe
Nature Harness Initiative	Richard Mwesigwa
National Association of Professional Environmentalists	Kureeba David
Nature Palace Foundation	David Kintu Nkwanga
Nature Uganda	Achilles Byaruhanga
SWAGEN	Gertrude K. Kenyangi
Uganda Coalition for Sustainable Development	Mwayafu David
Uganda Forestry Association	Ambrose Kyaroki
Uganda Media Trust for Environment	Pathias Karekona
Wildlife Conservation Society	Akweteireho Simon
	Juraj Ujhazy
Worldwide Fund for Nature	David Duli
Academia and Research	
Faculty of Forestry and Nature Conservation, Makerere University	Justine Namaalwa
	Patrick Byakagaba
National Forestry Resources Research Institute	Epila Otara
	Mujuni Dennis
Makerere University Institute of Environment and Natural Resources	John R.S Tabuti
Private Sector	
CADMA	Steve Amooti Nsita
UNIQUE Forestry Company	Kai Windnorist
	Wathum Gilbert
Uganda Carbon Bureau	Bill Farmer

8.2 Annex 2: Relationship between R-PP and Forestry Policies and Programmes in Uganda

1.1 Relationship between R-PP implementation and Climate Change initiatives and programmes

R-PP focuses on those aspects of Climate Change that relate to forest conservation, sustainable management of forests and enhancement of carbon stocks, non-conversion of natural forests to plantations, rights of indigenous people and effective participation of local people and all stakeholders in planning and management of forestry resources in Uganda. These aspects compliment the principles of the National Forest Policy (2003) and National Forestry and Tree Planting Act (2004). Therefore, the R-PP provides an additional planning tool and source of funding for advancing forestry management in Uganda in this regard.

The R-PP recognizes and seeks to collaborate with a variety of Climate Change initiatives and programmes of government, NGOs, CSOs, Private Sector and general public so as to ensure that appropriate strategies for reducing emissions from deforestation and forest degradation are developed and effectively implemented. The R-PP also seeks to interact with and utilize areas of synergy and complementarities with ongoing and future programmes (Table 1).

Table 1: Relationship between REDD and other Climate Change related programmes (as of December 2010)

<u>Programme area/Category</u>	<u>Location/Scope</u>	<u>Relationship with REDD</u>
<u>Forestry related programmes and activities</u>		
<u>National Development Plan (NDP)</u>	<u>Nationwide</u>	<u>Maintaining Permanent Forest Estate Exploitation of Uganda's natural resources for sustainable development</u>
<u>National Agricultural Advisory Services (NAADS)</u>	<u>Nationwide</u>	<u>Farm forestry Environmental management</u>
<u>Water, Environment and natural Resources Sector Investment Plan (WENR SIP)</u>	<u>Nationwide</u>	<u>Sustainable Forest management Afforestation and forest restorations</u>
<u>National Forest Plan (NFP)</u>	<u>Nationwide</u>	<u>Sustainable Forest Management Improved Forest utilization Development of forest resources endowment</u>
<u>Climate Programmes and Initiatives/Carbon related projects</u>		
<u>National Climate Change Initiative (Coordinated by CCU)</u>	<u>National</u>	<u>Integration of REDD Strategies and actions within over-all national Climate Change Initiative</u>
<u>Parliamentary Climate Change Forum</u>	<u>National</u>	<u>Integration of REDD Strategies and actions of the Parliament and Africa wide network of Parliamentarians</u>
<u>Uganda Carbon Bureau</u>	<u>National, Western</u>	<u>Development of Carbon trade capacity and tools</u>
<u>Nature Harness Initiatives</u>	<u>Western Uganda</u>	<u>Development of Carbon trade capacity....methodologies and tools Research and development in Carbon Demonstration of Carbon trade initiatives at farmer</u>

		<u>levels</u>
<u>UWA/FACE carbon projects in Kibale and Mt Elgon National Parks</u>	<u>Western Uganda, Eastern Uganda</u>	<u>Development of Carbon trade capacity (methodologies and tools)</u> <u>Capacity and skills enhancements and training</u> <u>Research and development in Carbon</u> <u>Demonstration of Carbon trade initiatives in Protected Areas/National parks</u>
<u>Uganda Coalition for Sustainable Development/ REDD-net Project</u>	<u>National</u>	<u>National Research, Awareness, Advocacy and networking</u>
<u>Environmental Conservation Trust for Uganda (ECOTRUST)</u>	<u>National, Western, Eastern</u>	<u>Demonstration of Carbon trade initiatives at farmer levels</u>
<u>International Union for Conservation of Nature (IUCN)</u>	<u>Eastern/Mt Elgon Regional</u>	<u>Development of Carbon trade capacity....methodologies and tools</u> <u>Capacity and skills enhancements and training</u>
<u>Environmental Alert</u>	<u>West Nile, Central</u>	<u>Demonstration of Carbon trade initiatives at farmer levels</u> <u>Awareness and advocacy</u>
<u>Katoomba Group/Forest Trends</u>	<u>National</u>	<u>Development of Carbon trade capacity (methodologies and tools)</u>
<u>Wildlife Conservation International (WCS)</u>	<u>Northern, Western</u>	<u>Methodologies</u> <u>Data</u> <u>Monitoring</u>
<u>Institute of Tropical Forest Conservation (ITFC)/Mbarara University</u>		<u>Research and development in Carbon</u>

1.2 Relationship between R-PP implementation and Forestry Policy for Uganda

1.2.1 Relationship with the Forestry Policy

The R-PP derives its legitimacy from the National Forestry Policy (2002) and National Forest Plan (2003) (under revision) (Table 2). Specifically, the R-PP will contribute to the following National Forestry Policy Objectives

Table 2: Relationship with National Forestry Policy Objectives

<u>National Forestry Policy Objective</u>	<u>R-PP linkages/Areas of Contribution</u>
<u>Goal: An integrated forest sector that achieves sustainable increases in the economic, social and environmental benefits from forests and trees by all the people of Uganda, especially the poor and vulnerable.</u>	<u>Increase economic benefits from Carbon market and deliver social and environmental benefits</u>
<u>The Permanent Forest Estate (PFE) will be set aside permanently for the conservation of biodiversity, the protection of environmental services, and the sustainable production of domestic and commercial forest produce.</u>	<u>Sustainable management of forestry estates in protected areas (FRs and NPs)</u> <u>Partnerships and stakeholders participation in management of PAs and benefit sharing</u>

<p><u>Government will promote the sustainable management of natural forests on private lands as to maintain the existing national levels of such forest cover. These private forests would be managed within the context of wider integrated land use and expanding agricultural needs for the sustainable production of forest resources.</u></p>	<p><u>Building Carbon stock</u> <u>Facilitating private land owners to invest for Carbon market</u></p>
<p><u>The private sector will play a major role in developing and managing commercial forest plantations either through large-scale industrial plantations on government or private land, or through small-scale plantations on farms.</u></p>	<p><u>Using Carbon market to provide incentives for investment in establishing plantations forests.</u></p>
<p><u>A modern, competitive, efficient and well-regulated wood and non-wood processing industry will be promoted in the private sector. They will play the major role in developing and managing the forest products processing industries, and will capture the potential for value addition through high quality processing.</u></p>	<p><u>Regulatory framework for key drivers of deforestation and forest degradation (Charcoal, firewood)</u></p>
<p><u>Collaborative partnerships with rural communities will be developed for the sustainable management of forests. Government will promote innovative approaches to community participation in forest management and private forest lands, addressing related concerns.</u></p>	<p><u>Facilitating local communities to invest for Carbon market</u></p>
<p><u>Tree growing on farms will be promoted in all farming systems, and innovative mechanisms for the delivery of forestry extension and advisory services will be developed. Government will promote and support farm forestry in order to boost land productivity, increase farm incomes, alleviate pressures on natural forests and improve food security. Government recognizes the strong unmet demand for farm forestry advice across the country and the need for professional services, to be developed within the national framework</u></p>	<p><u>Facilitating local communities/farmers to invest for Carbon market</u></p>
<p><u>Uganda's forest biodiversity will be conserved and managed in support of local and national socio-economic development and international obligations. Government's biodiversity conservation strategy will continue to be based on a system of protected areas, including Forest Reserves, National Parks and Wildlife Reserves. Government is a signatory to a number of inter-national agreement and conventions relevant to the forest sector.</u></p>	<p><u>Sustainable management/conservation of forestry estates</u></p>
<p><u>Watershed protection forest will be established, rehabilitated and conserved. Government will promote the rehabilitation and conservation of forests that protect the soil and water in the country's key watersheds and river systems. Achievements in watershed protection through forestry will result from the adoption of appropriate farm forestry methods on degraded private lands, from the improved management of natural forests on hilly private lands, and from restoration of degraded hills on government (public) lands</u></p>	<p><u>Sustainable management/conservation of forestry estates</u></p>
<p><u>Government is committed to improving the livelihoods and well-being of urban people by supporting urban forestry and improving the urban landscape and environment. The private and non-governmental sectors will be encouraged to play a major role in the development of urban forestry and be given adequate support and incentives in collaboration with urban authorities</u></p>	<p><u>Facilitating private land owners to invest for Carbon market</u></p>
<p><u>Government will support sustainable forest sector development through appropriate education, training and research. Government will promote and implement public education programmes to increase awareness and role of forest and trees in the national economy and local livelihoods and the crucial environmental services they provide.</u></p>	<p><u>Capacity building for REDD+ and Carbon Market</u></p>

Innovative mechanisms for the supply of high quality tree seed and improved planting stock will be developed. Government will promote the development of adequate supplies of high quality tree planting material to meet the needs of small-scale farmers and large-scale commercial tree growers.

Building Carbon Stock

1.2.2 Relationship with National Forest Plan beneficiaries and targets

The REDD strategy supplements the National Forest Plan by focusing on reducing deforestation and forest degradation through performance-based financing. It aims at designing activities that address deforestation and forest degradation, monitoring of emission reduction, marketing REDD Carbon credits, distributing benefits equitably among stakeholders including the poor and vulnerable, and, engaging partners to implement these activities (Table 3).

Table 3: Relationship with National Forest Plan beneficiaries and targets

<u>NFP targets/beneficiaries</u>	<u>R-PP relationship</u>
<u>Small scale rural producers and users</u>	<u>Facilitating private land owners to invest for Carbon market</u>
<u>Large scale commercial producers and users</u>	<u>Facilitating private land owners to invest for Carbon market</u>
<u>Wood processors</u>	<u>Improve forestry utilization technologies</u>
<u>Institutional producers and consumers</u>	<u>Improve forestry utilization technologies</u>

1.3 Relationships with National Development Plan (NDP)

Uganda's 2010-2019 NDP aims to increase forest cover from 3,604,176ha to 4,933,746ha by 2015. It commits to enhance capacity for: i) enforcing forestry law; ii) private tree planting and, iii) farm forestry. The R-PP activities which will involve tree planting and development of tools and methodologies for monitoring impact of REDD-Plus on forestry resources in Uganda contribute to the aims of NDP on forestry and capacity building for forestry resources development and management.

1.4 Relationship with Forestry conservation and management programmes

The Uganda REDD-Plus Readiness strategies and actions will seek to add value to following ongoing forestry programmes as shown in Table 4 below.

Table 4: Relationship with Forestry conservation and management programmes

<u>Institution</u>	<u>Forestry Programme</u>	<u>Relationship</u>

<u>National Forest Authority</u>	<u>Management of Central Forest Reserve</u>	<u>Reducing deforestation and forest degradation => maintenance of Performance Forest Estate</u>
	<u>Forestry Resources inventory and mapping</u>	<u>Data /information on trends of deforestation and deforestation</u> <u>Data on impact of REDD-Plus on forestry resources</u>
	<u>Technical services to forestry resources management</u>	<u>Tools and methodologies for measuring Carbon and for Carbon Trade</u>
	<u>Plantation development</u>	<u>Investments in Carbon trees</u>
<u>Uganda Wildlife Authority</u>	<u>Protection of Forestry habitats</u>	<u>Reducing deforestation and forest degradation => maintenance of Performance Forest Estate</u>
	<u>Habitat Restoration</u>	<u>Investments in Carbon trees</u>
<u>District Forest Sector Support Department</u>	<u>Enhancing Farm Income from Forestry resources development</u>	<u>Investments in Carbon trees</u>
	<u>Forest conservation</u>	<u>Reducing deforestation and forest degradation => maintenance of Performance Forest Estate</u>
<u>District based Programmes</u>	<u>Management of Local Forest Reserves</u>	<u>Reducing deforestation and forest degradation => maintenance of Performance Forest Estate</u>
	<u>Forestry Resources Development/Extension Services</u>	<u>Investments in Carbon trees</u>
<u>National Agricultural Research Organization (FORRI)</u>	<u>Research and development of forestry resources</u>	<u>Data /information on trends of deforestation and deforestation</u> <u>Data on impact of REDD-Plus on forestry resources</u>
<u>MWE/Saw Log Production Grant Scheme (SPGS)</u>	<u>Establishment of Saw log plantations</u>	<u>Investments in Carbon trees</u>

1.5 Policy, institutional and legal provisions and requirements for R-PP implementation in Uganda

A conducive policy, legal and institutional framework that is consistent with the emerging international REDD-Plus principles is essential for successful implementation of REDD - Plus Readiness Preparation Proposal in Uganda

The Uganda's policies and legislation are adequate for R-PP implementation. Specifically, they provide the following foundations of successful R-PP:

- a) Commitment to sustainable forest management and maintenance of Permanent Forest Estate.

b) Stakeholder participation (private sector, academia, and communities, forest dependent people).

The following policy and legal frameworks support the R-PP implementation (Table 5)

Table 5: Policy and legal framework for R-PP implementation

<u>Framework</u>	<u>Provisions Relevance to R-PP</u>
<u>Legal</u>	
<u>The Constitution of Republic of Uganda (amended 2005)</u>	<u>Provides for management of Uganda's natural resources, forestry resources inclusive.</u>
<u>Forestry and Planting Act (8/2003)</u>	<u>Legal framework for management of forest resources</u> <u>Stakeholder participation</u>
<u>Wildlife Act cap 200</u>	<u>Incentives including sharing of benefits from conservation</u> <u>Stakeholder participation</u>
<u>Local Government Act</u>	<u>Stakeholder participation</u> <u>Decentralised (devolved) management of central forest reserves</u>
<u>National Environment Act cap 153</u>	<u>Incentives including sharing of benefits from conservation</u> <u>Stakeholder participation</u>
<u>Land Act cap 227</u>	<u>Stakeholder participation</u>
<u>Policy</u>	
<u>Forest Policy (2001)</u>	<u>Stakeholder participation</u> <u>Maintenance of Permanent Forest Estate</u> <u>sustainable forest management</u>
<u>National Environment Policy (1995)</u>	<u>Stakeholder participation</u> <u>sustainable forest management</u>
<u>Wildlife Policy (1999)</u>	<u>Stakeholder participation</u> <u>Conservation of forests</u>
<u>Development Plans</u>	
<u>National Development Plan (2009)</u>	<u>Sustainable development through preservation of natural resources such as forests</u>
<u>National Forest Plan (2002)</u>	<u>Sustainable forest management</u> <u>Maintenance of Permanent Forest Estate</u>

<u>Regulations</u>	
<u>Collaborative Forest Management Guidelines.</u>	<u>Community participation in forest management</u> <u>Benefit sharing between NFA and the communities</u> <u>Development of community regulations</u>

1.6 Institutional framework for R-PP implementation (2012-2014)

The following institutions (Table 6) that have mandate over respective activities of REDD-Plus shall be prominently engaged in the preparation of REDD Strategy for Uganda.

Table 6: Institutional mandates supporting development of Uganda REDD Strategies

<u>Institution</u>	<u>Mandate</u>
<u>Ministry of Water and Environment (MWE)</u>	<u>R-PP implementation coordination and supervision</u>
<u>Forest Sector Support Department (FSSD)</u>	<u>Advice and support to define policies, standards and regulations for the forestry sector.</u>
<u>National forest Authority (NFA)</u>	<u>Technical support in pilot activities</u> <u>Provision of Expertise and data</u>
<u>Uganda Wildlife Authority (UWA)</u>	<u>Technical support in pilot activities</u> <u>Provision of Expertise and data</u>
<u>National Environment Management Authority (NEMA)</u>	<u>Technical support in pilot activities</u> <u>Provision of Expertise and data</u>
<u>Ministry of Energy and Minerals Development (MEMD)</u>	<u>Technical support in pilot activities</u> <u>Provision of Expertise and data</u>
<u>Local Government (Districts)</u>	<u>Technical support in pilot activities</u> <u>Provision of Expertise and data</u> <u>Mobilizing communities and Stakeholders</u>
<u>National Agricultural Research Organization (NARO) (National forestry Resources Research Institute (NaFORRI)</u>	<u>Technical support in pilot activities</u> <u>Provision of Expertise and data</u>
<u>Universities</u>	<u>Technical support in pilot activities</u> <u>Provision of Expertise and data</u>

<u>Community</u>	<u>Participation</u> <u>Information</u> <u>Implementation of Pilot activities</u>
<u>NGOs/CSO</u>	<u>Mobilizing Stakeholders to participate</u> <u>Monitoring quality and adherence to REDD principles</u> <u>Technical support in pilot areas</u>
<u>Private Land Owners</u>	<u>Participation</u> <u>Information Implementation of Pilot activities</u>
<u>Private Forest Owners</u>	<u>Participation</u> <u>Information Implementation of Pilot activities</u>

For effective implementation of the R-PP, the above institutional landscape could be enhanced as follows.

- a) Mobilize Private sector institutions to participate in R-PP Implementation
- b) Initiate Community and individual farmer's capacity to pilot projects.
- c) Develop and apply binding procedures, systems and tools for stakeholder participation in Strategy development.

1.7 Policy and legal frameworks likely to hinder R-PP implementation

The likely weakness or constraint that has potential to negatively affect R-PP implementation is policy and legal gaps due to the fact the REDD-Plus is recent approach. The following are the identified gaps that would require to be plugged.

- a) Licensing trade in Carbon markets.
- b) Definition of Carbon rights.

8.3 Annex 3: Outreach and Participation Plan (March 2010)

Outline of the Regional Consultation and Participation Process

Introduction:

Uganda is embarking on the formulation of the REDD Readiness Preparation Proposal (R-PP) which requires a multi-stakeholder consultation and participation process to sensitize the various relevant stakeholders on REDD+ and its concepts, solicit their views and understanding of REDD+, capture their presumed expectations anticipated roles and responsibilities in the REDD+ process. For the purpose of these regional consultations the districts of Uganda are divided into 4 administrative regions namely: Northern, Eastern, Western and Central as adopted by the Uganda Bureau of statistics and NEMA (Emwanu et al., 2007).

Uganda's Regions



Central

West

North

East

The economic and social development of Uganda largely depends on the exploitation of its natural resources, including climate. However, the increasing degradation of these natural resources coupled with increasing climate variability and climate changes is beginning to have a serious negative impact on Uganda's social and economic development and the livelihoods of millions of its people indeed the degradation is threatening Uganda's attainment of development targets including the Millennium Development Goals (MDGs). Past experience in Uganda shows that El Nino and Lanina episodes are the principal causes of the most severe climate change related disasters in Uganda.

For instance, the recommended level of national forest cover for Uganda to have stable ecological system is 30 per cent. The national forest cover as of 2005 was however at 18% having dropped from 24 % by 1990. This decline which is estimated at 2.13 % per annum is largely attributed to increasing demand for agricultural land

and fuel wood by the rapidly growing population. Between 1990 and 2005 alone, a total of 1,329,570 ha (27% of original forest cover) was lost. The breakdown of the forest cover affected by type is summarized in Table below. The most affected districts in this regard in magnitude of percentage loss include Mayuge (100 %), Wakiso (86.7 %), Mubende (79 %), Mityana (59.6 %), Kibaale (48.9%), Mpigi 32.6%, Hoima 21.6 %) and Masindi (12.2%).

Table showing percentage change by forest cover

<u>Forest type</u>	<u>Area (Ha) 2005</u>	<u>Area 1990 (Ha)</u>	<u>Change (Ha)</u>	<u>Annual change (Ha)</u>	<u>Percentage change</u>	<u>Percentage annual change</u>
<u>Broad leaved</u>	<u>14,786</u>	<u>18,682</u>	<u>(3,896)</u>	<u>(260)</u>	<u>(21)</u>	<u>(1.4)</u>
<u>Conifer</u>	<u>18,741</u>	<u>16,384</u>	<u>2,357</u>	<u>157</u>	<u>14</u>	<u>1.0</u>
<u>TMF well stocked</u>	<u>600,957</u>	<u>651,110</u>	<u>(50,154)</u>	<u>(3,344)</u>	<u>(8)</u>	<u>(0.5)</u>
<u>TMF low stocked</u>	<u>191,694</u>	<u>273,061</u>	<u>(81,367)</u>	<u>(5,424)</u>	<u>(30)</u>	<u>(2.0)</u>
<u>Woodland</u>	<u>2,777,998</u>	<u>3,974,508</u>	<u>(1,196,510)</u>	<u>(79,767)</u>	<u>(30)</u>	<u>(2.0)</u>
<u>Total forest cover</u>	<u>3,604,176</u>	<u>4,933,746</u>	<u>(1,329,570)</u>	<u>(88,638)</u>	<u>(27)</u>	<u>(1.8)</u>

There is a remarkable difference in the degree of deforestation inside protected areas as compared to forests on private land. Forest estate outside protected areas (PA) reduced from 70% in 1990 to 64% in 2005. Forests outside PA reduced from 3.46 million ha to 2.3 million ha; a difference of about 1.2 million ha. Inside PAs, forests reduced from 1.47 million ha to 1.3 million ha; a difference of about 0.20 million ha. The total (inside and outside PAs) deforestation rate per year is 1.8%. Inside protected areas the deforestation rate is 0.7% while outside protected areas; it is 2.27 % almost double the rate in PAs.

However, there are deliberate efforts being made by the government, private sector, development partners, local communities and civil society to conserve and restore degraded forest areas throughout the country. In line with these, REDD+ is a multi-sectoral program which the government is in the process of developing in order to address the challenges faced within the forestry and other natural resource management sectors in Uganda. The REDD+ program will look into the drivers and underlying causes of deforestation and degradation, as well as promote sustainable forest management for improved livelihoods.

Outline of the Consultation and Participation Plan:

During the participation working group meeting held on 11th March, 2010 it was agreed upon that the group conduct the consultations on the basis of the 4 regions in such a way that solicit participation and engagement of communities and other stakeholder groups with diverse interest in the REDD+ process.

Identification of Stakeholders to consult with:

The consultation processes will involve the following stakeholders:-

- Selected representatives of Local communities and indigenous peoples
- Selected representatives of Civil and community society organizations
- Selected representatives of Religious and cultural institutions (including Kingdoms of Buganda, Bunyoro, Toro, Busoga, etc)
- Selected representatives of Private business persons and companies
- Selected representatives of Government ministries, department, agencies, and institutions
- Selected representatives of Research, educational and academic institutions
- Selected representatives of Multilateral and bilateral, development agencies

Contents of the consultation workshops

- Introduction to REDD+
- The REDD+ process in Uganda.
- Expectations: roles and responsibilities.
- Opportunities and challenges : social and environment issues

Implementing agencies -

- National Forestry Authority.

Methodology for Consultations

1. Information dissemination through use of the developed brochure, background notes & R-PP template to the various Stakeholders

2. Organized workshops within the various regions as indicated in the table below:

Timeline and budget estimate for consultations

<u>REGION</u>	<u>TARGET STAKEHOLDERS</u>	<u>VENUE</u>	<u>Nature of Consultations</u>	<u>DATES</u>	<u>BUDGET REQUEST</u>
<u>Central</u>	<p>a) <u>National stakeholders workshop:</u></p> <p><u>Targeted Stakeholders include:</u></p> <ul style="list-style-type: none"> - <u>Selected representatives of Local communities and indigenous peoples</u> - <u>Selected representatives of Civil and community society organizations</u> - <u>Selected representatives of Religious and cultural organizations</u> - <u>Selected representatives of Private business persons and companies</u> - <u>Selected representatives of Government ministries, department, agencies, and institutions</u> - <u>Selected representatives of Research, educational and academic institutions</u> - <u>Selected representatives of Multilateral and bilateral, development agencies</u> 	<u>Kampala</u>	<u>One worksh op</u>	<u>April 15, 2010</u>	
	<p>b) <u>Hold a 5th Stakeholders Workshop in Central Region</u></p> <p><u>Targeted Stakeholders include:</u></p> <ul style="list-style-type: none"> - <u>Selected representatives of Local communities and indigenous peoples</u> - <u>Selected representatives of Civil and community society organizations</u> - <u>Selected representatives of Religious and cultural organizations</u> - <u>Selected representatives of Private business persons and companies</u> - <u>Selected representatives of Government ministries, department, agencies, and institutions</u> 	<u>Kampala</u>	<u>One worksh op</u>	<u>May 13, 2010</u>	
	<p>c) <u>Hold a special Stakeholder groups of local communities/indigenous peoples, disabled persons, and other vulnerable/or dis-advantaged groups</u></p> <p><u>Targeted Stakeholders include:</u></p> <ul style="list-style-type: none"> - <u>Selected representatives of Local communities and indigenous peoples</u> 	<u>Kampala</u>	<u>One worksh op</u>	<u>May 14, 2010</u>	
	<p>d) <u>National Validation workshop</u></p> <p><u>Targeted Stakeholders include:</u></p> <ul style="list-style-type: none"> - <u>Selected representatives of Local communities and indigenous peoples</u> - <u>Selected representatives of Civil and community society organizations</u> 	<u>Kampala</u>	<u>One worksh op</u>	<u>July 20, 2010</u>	

	<ul style="list-style-type: none"> - <u>Selected representatives of Religious and cultural organizations</u> - <u>Selected representatives of Private business persons and companies</u> - <u>Selected representatives of Government ministries, department, agencies, and institutions</u> - <u>Selected representatives of Research, educational and academic institutions</u> - <u>Selected representatives of Multilateral and bilateral, development agencies</u> 				
<u>Eastern</u>	<p>e) <u>Hold a 2nd Stakeholders Workshop in Eastern Region</u></p> <p><u>Targeted Stakeholders include;</u></p> <ul style="list-style-type: none"> - <u>Selected representatives of Local communities and indigenous peoples</u> - <u>Selected representatives of Civil and community society organizations</u> - <u>Selected representatives of Religious and cultural organizations</u> - <u>Selected representatives of Private business persons and companies</u> - <u>Selected representatives of Government ministries, department, agencies, and institutions</u> 	<u>Mbale</u>	<u>One worksh op</u>	<u>April 22, 2010</u>	
<u>Western</u>	<p>f) <u>Hold a 3rd Stakeholders Workshop in Western Region</u></p> <p><u>Targeted Stakeholders include;</u></p> <ul style="list-style-type: none"> - <u>Selected representatives of Local communities and indigenous peoples</u> - <u>Selected representatives of Civil and community society organizations</u> - <u>Selected representatives of Religious and cultural organizations</u> - <u>Selected representatives of Private business persons and companies</u> - <u>Selected representatives of Government ministries, department, agencies, and institutions</u> 	<u>Hoima</u>	<u>One worksh op</u>	<u>April 29, 2010</u>	
<u>Northern</u>	<p>g) <u>Hold a 4th Stakeholders Workshop in Northern Region</u></p> <p><u>Targeted Stakeholders include;</u></p> <ul style="list-style-type: none"> - <u>Selected representatives of Local communities and indigenous peoples</u> - <u>Selected representatives of Civil and community society organizations</u> - <u>Selected representatives of Religious and cultural organizations</u> - <u>Selected representatives of Private business persons and companies</u> - <u>Selected representatives of Government ministries, department, agencies, and institutions</u> 	<u>Gulu</u>	<u>One worksh op</u>	<u>May 06, 2010</u>	

8.4 Annex 4: Expanded Consultations

Strategy for Implement Expanded Consultation programme funded by Norway

1. Introduction

In June 2010, The Royal Norwegian Government/Embassy approved funding amounting US\$ 183,500 from Norway-GoU Programme “Support to Sustained National Forestry Authority with Enhanced Focus on Northern Uganda” to provide additional financial and technical support for an expanded program for REDD+ consultations and communications strategy in the context of the Readiness Preparation Proposal (R-PP). The approval was in response to a proposal submitted by NFA on 18th May 2010 titled “Request for financial and technical support for an expanded program for REDD+ consultation in the context of the R-PP process” in Uganda.

The approval by Norway was granted with the following conditions:

- a) NFA shall enter implementation contract/agreement with selected NGOs, not exceeding three in number. Further that the selected NGOs could sub-contract the tasks to other entities.
- b) Funding will disbursed by Ministry of Finance Planning and Economic Development directly to implementing NGOs
- c) The Consultations shall pay attention to Special forest dependent people such as Batwa around the forests in south western Uganda.

2. Rational for Support

Regional Consultations concluded in May and early June 2010 have been found not to have involved the vulnerable and marginalised members of Uganda’s forest dependent communities. Further, it was found out that the Consultations and outreach programme did not cater for national level policy actors in the processes and neither did it cater for communication and awreness raising.

Hence, it has been proposed to:

a) Undertake an expanded consultation to include the following interests, among others.

- I. Commercial and artisan Timber harvesting and dealers groups;
- II. Major Firewood gatherers and users such as brick burners, etc.;
- III. Charcoal burners and charcoal dealers;
- IV. Forest Resource Users i.e. Herbalists, Hunters and Gatherers;
- V. Communities with Collaborating agreements with NFA and UWA;
- VI. Associations of Watershed Management Areas
- VII. Forest-dependent Communities i.e. Communities within or surrounding forest resources etc;
- VIII. Commercial forest owners;
- IX. Individual forests owners;
- X. Commercial and allied agricultural companies and associations, such as Uganda Farmer's Association, Uganda Coffee growers and processors, Uganda Rancher's Association;
- XI. Community land owners;

b) Develop Communication messages targeted different stakeholders to enhance awareness and with time stimulate attitude change and enlist their participation and support for REDD+.

3. Objectives

The objectives of this undertaking are:

- a) Objective #1: To expand the consultation required for the formulation of the Readiness Preparation Proposal (R-PP)
- b) Objective #2: To sustain awareness and understanding of REDD+ among Ugandans in preparation for the formulation of the National REDD+ Strategy.

4. Implementation modalities

4.1 The Assignment

In accordance with the Approval Conditions, NFA shall enter implementation agreement with three NGOs/Institutions as follows:

<u>Institution</u>	<u>Assignment</u>	<u>Mode of Engagement</u>
<u>IUCN</u>	<u>Conduct High-level consultations with national level actors (executives and Legislature)</u>	<u>The NGO to prepare methodology and budget for the allocated US\$ 9,000 basing on the generic Terms of Reference (section 4.2). NFA shall approve the submission and enter Implementation Agreement with the NGO.</u>
<u>CARE</u>	<u>Conducting consultations meetings for south western Uganda (Kabale) targeting Indigenous people/Forest dependants, Private tree farmers and wood industry/ planters, small scale tree farmers etc.</u> <u>Conducting consultations meetings for western Uganda (Hoima) targeting Indigenous people/Forest dependants, Private tree farmers and wood industry/ planters, small scale tree farmers etc.</u> <u>Conducting consultations meetings for northern-western Uganda (Arua) targeting Indigenous people/Forest dependants, Private tree farmers and wood industry/ planters, small scale tree farmers etc.</u> <u>Conducting consultations meetings for northern Uganda (Gulu) targeting Indigenous people/Forest dependants, Private tree farmers and wood industry/ planters, small scale tree farmers etc.</u> <u>Conducting consultations meetings for eastern Uganda (Mbale) targeting Indigenous people/Forest dependants, Private tree farmers and wood industry/ planters, small scale tree farmers etc.</u> <u>Conducting consultations meetings for Kalamoja region (Moroto) targeting Indigenous people/Forest dependants, Private tree farmers and wood industry/ planters, small scale tree farmers etc.</u> <u>Conducting consultations meetings for Central Uganda (Mpigi/Entebbe) targeting Indigenous people/Forest dependants, Private tree farmers and wood industry/ planters, small scale tree farmers, etc.</u>	<u>The NGO to prepare methodology and budget for the allocated US\$ 145,000 basing on the generic Terms of Reference (Section 4.3). NFA shall approve the submission and enter Implementation Agreement with the NGO.</u>
<u>Uganda</u>	<u>To organize and facilitate Radio and T.V Talk</u>	<u>The NGO to prepare</u>

<u>Media Trust for Environ ment</u>	<u>shows Undertake Video footage for the consultations and air the relevant footages with TV stations</u>	<u>methodology and budget for the allocated US\$ 22,500 basing on the generic Terms of Reference (Section 4.3). NFA shall approve the submission and enter Implementation Agreement with the NGO.</u>
-------------------------------------	---	---

4.3 The Terms of Reference/Tasks

4.3.1 IUCN

The following are broad tasks

- a) Sensitize High-level actors communities about REDD+ and REDD+ R-PP process for Uganda.
- b) Sensitize High-level actors communities about REDD+ and REDD+ R-PP process for Uganda.
- c) Prepare a report on the consultations highlighting among others, key concerns in respect to REDD+ goals, objectives and targets, drivers and views on their likely participation and benefits from REDD R-PP.

4.3.2 CARE

The Following are the broad tasks:

- d) Sensitize targeted categories for communities/interest groups per region about REDD+ and REDD+ R-PP process for Uganda.
- e) Engage the targeted communities /interest groups in identifying their concerns with regards the REDD+ objectives, targets and approaches.
- f) Solicit their views on drivers for deforestation and forest degradation in their locality.
- g) Prepare a report on the consultations highlighting among others, key concerns in respect to REDD+ goals, objectives and targets, drivers and views on their likely participation and benefits from REDD R-PP.

4.3.3 UMTE

The following are the broad tasks

- a) Organize and facilitate Radio and T.V Talk shows with sufficient national coverage
- b) Undertake Video footage on the REDD+ consultations process (including the regional consultations under the Expanded programme) and cause to have relevant footages aired with TV stations.
- c) Prepare a report on the undertaking including the materials generated during the undertaking.

5. The Role of NFA

The NFA takes responsibility for the implementation of this programme activities and delivery of products. In this regards, the contracted NGOs shall report to NFA on all technical and administrative matters. Specifically, NFA shall:

- a) Enter Implementation agreement with each Institution using NFA formats. The Implementation agreement shall specify the roles and obligations, time frame, reporting and outputs/deliverables, accountabilities requirements, among others.
- b) Approve the scope of work and budget and authorise MoFPED to disburse funds to the NGOs.
- c) Approve the reports/deliverables.
- d) Consolidate reports of the tree NGOs and make final report to the Norwegian Embassy.

6. Next Steps:

The following steps are envisaged.

1. NFA to communicate to the three NGOs about the intention to engage them. The communication should specify the proposed assignment and general conditions/terms.
2. In response, the NGO should prepare methodology and workplans and budget for NFA approval.
3. Based on the two steps above, NFA shall apply for a no-objection to the proposed Implementation agreement from the Norwegian Embassy before committing the implementation agreement.
4. Upon receipt of the no-objection, NFA shall enter Implementation agreement with the respective NGOs and authorise MoFPED to disburse funds to the NGOs.

Attached as separate Documents/file

9. APPENDICES

Attached as separate Documents/file