

## Foreword

The Programme Budget Framework paper has been prepared in context of addressing Uganda's critical public demand on environmental protection and restoration, wetlands and forestry management issues, water resource protection, water resource management and sustainable resources development as well as addressing the effects of climate changes in the country. The priorities provided are based on the key NDP III interventions.

This Programme therefore, is central to realization of the NDP III goal of increased household incomes and improved quality of life of the population, set under the theme of Sustainable Industrialization for Inclusive-growth, Employment and Wealth Creation through;

1. Ensuring availability of adequate and reliable quality fresh water resources for all uses through sustainable use and development of the available resource.
2. Increasing forest, tree and wetland coverage, restore bare hills and protect mountainous areas and rangelands with increased and focused restoration, planting and afforestation.
3. Maintaining and restoring a clean, healthy, and productive environment
4. Reducing climate change vulnerability and carbon footprint.
5. Reducing human and economic loss from natural hazards and disasters.

The Programme allocation for the FY 2022-22 amounts to Ughs 794.71bn. In the FY 2022/23 the program plans to restore 285ha of degraded river banks demarcation of wetlands and forests and riverbanks with live and concrete pillars to mark the boundaries, Gazette, demarcate and restore the 2 degraded biodiversity hotspots as Special Conservation Areas. Wetland regional coordination centers will be supported to restore 2,000 Ha of critical wetlands across the country 8 wetland management plans developed for the restored and demarcated wetlands. 850 Km of conserved and degraded wetland systems will be demarcated and gazette 13,000 Ha Wetland system restored in countrywide.

Land Management component will finalize and implement the Land Acquisition and resettlement policy and Land Acquisition, Resettlement and rehabilitation Bill in all districts, Resurvey and Coordinate Cadaster Blocks and Insets for 22 MZOS, Survey and demarcate boundaries of cities and Urban Centers of Arua, Gulu, Jinja and Mbale, Scale up registration of titles and subdivisions, Integrate land use layers into the Land Information System, Demarcate, mark and recording of road and water easements, Develop, implement and publish Property Indices for taxation and valuation purposes, develop and disseminate National Valuation Standards and Guidelines.

Under the Environmental management, aspects of Oil and Gas will be regulated, monitored and coordinated, Operations of the Environmental Protection Force EPF will be strengthened through recruitment, and training of the force, robust environmental monitoring system will be developed and implemented, strengthened the processes for prosecution of non-compliance to environmental laws and standards will be enhanced. Institutional engagement in national, regional and international programmes on environment enhanced, Establish systems for environmental information generation and management and undertake public environmental education.

Under weather management ICT based dissemination platforms of climate information identified and utilized, 2 automatic Weather Observing Stations for Mbarara and Kisoro Airfields procured and installed, 5 Automatic stations in Albertine districts of Bundibugyo, Ntoroko, Buliisa, Kikuube and Kibaale established, 5 hydro-met stations of Butiaba, Pachwa, Ngoma, Nabwuin and Kyegegwa rehabilitated, 1 Automatic Weather Observing Station established in Pakuba. 240 certificates of title for land under Ministries, Departments and Agencies processed, acquisition and processing of 6,000 hectares of Land through compensation to absentee Land Lords for securing Lawful and bonafide occupants in Buganda, Bunyoro, Ankole and Toro.

The programme however has some underfunded priorities. These include Ugshs 19.2bn for environmental monitoring equipment and for the operationalization of the Environmental police.

The Land management component has a financing gap for Implementation of the land value databank Ug8.9bn, Ugshs 38.1bn to rehabilitate, densify and modernize the Uganda National Geodetic Network.

On behalf of the Programme and myself, i request for your support and funding of the programme implementation plans in order to be able to deliver the NDP III and Government Interventions.

This programme Budget Frame Work paper has been prepared cognizant of the critical role natural resources, environment, water resources, lands, forests and wetlands play to support the growing, processing, transportation and consumption of everyday goods and services, hence the attention it deserves.

I therefore call upon all stakeholders to support the programme to implement its plans as outlined in this document, recognizing the importance it plays towards the achievement of the NDPIII targets

Alfred Okoti Okidi  
Permanent Secretary

## Abbreviations and Acronyms

ACRONYM	ACRONYM NAME
ACCRA	Africa Climate Change Resilience Alliance
ADB	African Development Bank
BOD	Biological Oxygen Demand
BoP	Best operational Practices
CBMS	Community Based Maintenance System
CBO	Community Based Organisation
CCD	Climate Change Department
CDD	Community-Driven Development sub-project
CDM	Clean Development Mechanism
CFA	Cooperative Framework Agreement
CFR	Central Forest Reserves
CLTS	Community Led Total Sanitation
CMO	Catchment Management Organisation
CSO	Civil Society Organisation
DEA	Directorate of Environment Affairs
DEO	District Environment Officer
DESS	Department of Environment Services
DHI	District Health Inspector
DLG	District Local Government
DNRO	District Natural Resources Officer
DP	Development Partner
DWAP	District Wetland Action Plan
DWD	Directorate of Water Development
DWO	District Water Officer
DWSCC	District Water and Sanitation Coordination Committee
DWSDCG	District Water and Sanitation Development Conditional Grant
EC	European Commission
EHD	Environment Health Division (of Ministry of Health)
EIS	Environmental Impact Statement
ENR	Environment and Natural Resources
EPPU	Environment Protection Police Unit
FAO	Food and Agricultural Organisation
FGD	Focus Group Discussion
FIEFOC	Farm Income and Enhancement and Forestry Conservation
FMP	Forest Management Plans
FO	Forest Officers

ACRONYM	ACRONYM NAME
FSSD	Forestry Sector Support department
GEF	Global Environmental Facility
GFS	Gravity Flow Scheme
GGAP	Good Governance Action Plan
GGDS	Green Growth Development Strategy
GGWG	Good Governance sub-sector Working Group
GIS	Geographical Information System
GIZ	Deutsche Gesellschaft für Internationale Zusammenarbeit
ha	Hectares
HIC	Home Improvement Campaigns
HIP	Hygiene Improvement Programme
HIV/AIDS	Human immunodeficiency virus / acquired immunodeficiency syndrome
HPM	Hand Pump Mechanic
HPMA	Hand Pump Mechanic Association
HWF	Hand Washing Facility
KP	Kyoto Protocol
KPI	Key Performance Indicators
LGDP	Local Government Development Programme
LVEMP	Lake Victoria Environmental Management Project
LVWATSAN	Lake Victoria Water and Sanitation Initiative
MAAIF	Ministry of Agriculture, Animal Industry and Fisheries
MIS	Management Information System
MoEMD	Ministry of Energy and Mineral Development
MOESTS	Ministry of Education, Science, Technology and Sports
MoH	Ministry of Health
MoLHUD	Ministry of Lands Housing and Urban Development
MoTTI	Ministry of Tourism, Trade and Industry
MoU	Memorandum of Understanding
MRV	Measuring, Reporting and Verification
MUCCRI	Makerere University Centre for Climate Change Research and Innovations
MWE	Ministry of Water and Environment
NAADS	National Agricultural Advisory Services
NAMA	Nationally Appropriate Mitigation Actions
NAPA	National Adaptation Programme of Action
NBI	Nile Basin Initiative
NEA	National Environment Act
NEC	National Environment Council

ACRONYM	ACRONYM NAME
NEMP	National Environmental Management Policy
NFA	National Forestry Authority
NPHC	National Population and Housing Census
NPV	Net Present Value
NRW	Non-Revenue Water
NSDS	National Service Delivery Survey
NSOER	National State of Environment Report
NSWG	National Sanitation Working Group
NWIS	National Wetland Information System
NWQRL	National Water Quality Reference Laboratory
OBA	Output Based Aid
ODF	Open Defecation Free
PAF	Poverty Action plan
PEAP	Poverty Eradication Action Plan
PES	Payment for Ecosystem Services
PHAST	Participatory Hygiene and Sanitation Transformation
PMF	Performance Measurement Framework
PPEA	Participating Poverty Environment Assessment
R-PP	Readiness Preparation Proposal
REDD	Reducing Carbon Emissions from Forest destruction and Degradation
RGC	Rural Growth Centre
RWHT	Rain Water Harvesting Tank
RWSS	Rural Water Supply and Sanitation
RWT	Rain Water Tank
SIM	Sector Investment Model
SIP	Sector Investment Plan
SPGS	Saw log Production Scheme
SSIP	Sector Strategic Investment Plan
SWAp	Sector Wide Approach
SWC	Soil and Water Conservation
SWG	Sector Working Group
SWSSB	Sub-county Water Supply and Sanitation Boards
TA	Technical Assistance
ToR	Terms of Reference
TSS	Total Suspended Solids
TSU	Technical Support Unit
UfW	Unaccounted for Water

ACRONYM	ACRONYM NAME
ULGA	Uganda Local Governments Association
UN	United Nations
UNFCCC	United Nations Framework Convention on Climate Change
UNICEF	United Nations International Children's Fund
UNMA	Uganda National Meteorological Authority
UPHC	Uganda Population and Housing Census
USAID	United States Agency for International Development
UWASNET	Uganda Water and Sanitation NGO Network
UWSS	Urban Water Supply and Sanitation
VCT	Voluntary Counselling and Testing
VfM	Value for Money
VHT	Village Health Team
VIP	Ventilated Improved Pit
VT	Valley Tank
WAG	Wetland Advisory Group
WAP	Wetland Action Planning
WASH	Water, Sanitation and Hygiene
WED	World Environment Day
WfP	Water for Production
WMD	Wetland Management Department
WMZ	Water Management Zones
WPC	Water Policy Committee
WQ	Water Quality
WRM	Water Resources Management
WSDF	Water and Sanitation Development Facility
WSP	Water and Sanitation Programme

**P1: PROGRAMME OVERVIEW****Snapshot of Medium Term Budget Allocations****Table P1.1 Overview of Programme Expenditure and Medium Term Allocations (Ush Billion)**

<i>Billion Uganda Shillings</i>		<b>2022/23</b>	<b>MTEF Budget Projections</b>			
		<b>Proposed Budget</b>	<b>2023/24</b>	<b>2024/25</b>	<b>2025/26</b>	<b>2026/27</b>
Recurrent	Wage	38.420	38.420	38.420	38.420	38.420
	NonWage	92.841	92.841	92.841	92.841	92.841
Devt.	GoU	231.944	231.944	231.944	231.944	231.944
	ExtFin	526.752	445.236	191.584	39.666	0.000
<b>GoU Total</b>		<b>363.205</b>	<b>363.205</b>	<b>363.205</b>	<b>363.205</b>	<b>363.205</b>
<b>Total GoU+Ext Fin (MTEF)</b>		<b>889.957</b>	<b>808.441</b>	<b>554.789</b>	<b>402.871</b>	<b>363.205</b>
A.I.A		0.000	0.000	0.000	0.000	0.000
<b>Grand Total</b>		<b>889.957</b>	<b>808.441</b>	<b>554.789</b>	<b>402.871</b>	<b>363.205</b>

**Programme Strategy and linkage to the National Development Plan**

This program contributes to the NDPIII objective 1 which is Enhance value addition in Key Growth Opportunities

The Natural Resources, Environment, Climate Change, Land and Water Management Programme is one of the 18 Programmes of NDP3. It is responsible for sound management and sustainable utilization of natural resources, environment, land and water resources and mitigation of the impact of climate change for socio economic development of Uganda. The Programme, thus central to realization of the NDP III goal of increased household incomes and improved quality of life of the population, set under the theme of Sustainable Industrialization for Inclusive growth, Employment and Wealth Creation.

Therefore the Goal of NRECCLWM Programme is to stop and reverse the degradation of Water Resources, Environment, Natural Resources as well as the effects of Climate Change on economic growth and livelihood security

**P2: Highlights Of Programme Projected Performance****Table P2.1 Programme Outcomes Indicators**

Programme Outcome	Adequate Quantity and Improved Quality of Water Resources for all uses					
Programme Objectives contributed to by the Intermediate Outcome						
Assure availability of adequate and reliable quality fresh water resources for all uses						
Programme Outcome Indicators	Performance Targets					
	Base Year	Base Line	2022/23	2023/24	2024/25	2025/26
Compliance to abstraction permit conditions - Ground water	2019/2020	74.5%	77%	78%	79%	81%
Compliance to abstraction permit conditions - Surface water	2019/2020	77%	79%	80%	81%	82%
Compliance to waste water discharge permit conditions	2019/2021	62%	64%	65%	66%	68%
Programme Outcome	Increased protection and productivity of the environment and natural resources					
Programme Objectives contributed to by the Intermediate Outcome						
Increase forest, tree and wetland coverage and restore and protect hilly and mountainous areas and rangelands						
Programme Outcome Indicators	Performance Targets					
	Base Year	Base Line	2022/23	2023/24	2024/25	2025/26
% of land area covered by forests	2019/2020	12.4%	13%	13.5%	14.5%	15%

Programme Outcome	Increased protection and productivity of the environment and natural resources					
Programme Objectives contributed to by the Intermediate Outcome						
Increase forest, tree and wetland coverage and restore and protect hilly and mountainous areas and rangelands						
	Performance Targets					
Programme Outcome Indicators	Base Year	Base Line	2022/23	2023/24	2024/25	2025/26
% of land area covered by wetlands.	2020/2021	8.9%	9%	11.1%	12.0%	12.9%
o/w - natural forests	2021	8.7%	9.06%	9.41%	9.78%	10.14%
o/w – plantations	2021	3.70%	3.9%	4.09%	4.72%	4.86%
Programme Outcome	Clean and productive environment					
Programme Objectives contributed to by the Intermediate Outcome						
Maintain and/or restore a clean, healthy, and productive environment						
	Performance Targets					
Programme Outcome Indicators	Base Year	Base Line	2022/23	2023/24	2024/25	2025/26
% of key biodiversity areas covered by protected areas	2020/2021	18%	18%	19%	22%	23%
% of Municipal solid waste disposed off safely	2020/2021	45%	50%	68%	100%	100%
% of permit holders complying with ESIA conditions at the time of spot check	202/2021	75%	85%	95%	100%	100%
Air Quality Index PM2.5	2020-2021	100	90	87	80	75
Percentage area of degraded catchment areas protected	2020/2021	30%	30%	33%	35%	37%
Programme Outcome	Strengthened, coordination, resilience, adaptive and mitigation capacity to climate change					
Programme Objectives contributed to by the Intermediate Outcome						
Promote inclusive climate resilient and low emissions development at all levels						
	Performance Targets					
Programme Outcome Indicators	Base Year	Base Line	2022/23	2023/24	2024/25	2025/26
% of Automation of Weather and Climate Network	2020/2021	62%	70%	75%	80%	82%
Accuracy of Meteorological Information (%)	2020/2021	70%	84%	86%	88%	90%
Climate Change Vulnerability Index	2020/2021	1.11	1.07	1.05	1.03	1.01
Programme Outcome	Reduced human and economic loss from natural hazards and disaster					
Programme Objectives contributed to by the Intermediate Outcome						
Reduce human and economic loss from natural hazards and disasters						
	Performance Targets					
Programme Outcome Indicators	Base Year	Base Line	2022/23	2023/24	2024/25	2025/26
Percentage automation of weather and climate network	2020/2021	62%	70%	75%	80%	82%

Programme Outcome	Improved productivity of land resources						
Programme Objectives contributed to by the Intermediate Outcome							
Strengthen land use and management							
Programme Outcome Indicators	Performance Targets						
	Base Year	Base Line	2022/23	2023/24	2024/25	2025/26	
	Percentage of titled land	2019/2020	21.6%	26%	30%	35%	40%
	Proportion of LGs with approved PDPs, %	2019/2020	5%	10%	40%	70%	100%
	Turnaround time for titling of land (days)	2019/2020	15 days	10	9	8	7

**Table P2.2: Intermediate Outcomes Indicators**

<b>Sub-Programme Name:</b>	<b>Environment and Natural Resources Management</b>					
<b>Intermediate Outcome Indicators:</b>	Enhanced sustainable Waste Management in urban areas					
	<b>Performance Targets</b>					
<b>Indicators</b>	<b>Base Year</b>	<b>Base Line</b>	<b>2022/23</b>	<b>2023/24</b>	<b>2024/25</b>	<b>2025/26</b>
Number of Municipalities/ cities with Sustainable Waste Management Facilities	2020/21	10	18	20	21	23
<b>Intermediate Outcome Indicators:</b>	Fragile ecosystems restored					
	<b>Performance Targets</b>					
<b>Indicators</b>	<b>Base Year</b>	<b>Base Line</b>	<b>2022/23</b>	<b>2023/24</b>	<b>2024/25</b>	<b>2025/26</b>
Trends in fragile ecosystems protected and restored(Hectares)	2020-2021	5	5	5	5	5
<b>Intermediate Outcome Indicators:</b>	Economic valuation of Natural Resources undertaken					
	<b>Performance Targets</b>					
<b>Indicators</b>	<b>Base Year</b>	<b>Base Line</b>	<b>2022/23</b>	<b>2023/24</b>	<b>2024/25</b>	<b>2025/26</b>
Trends in natural capital accounts developed.	2020-2021	4	6	6	7	8
<b>Intermediate Outcome Indicators:</b>	National Green House Gas emissions effectively monitored.					
	<b>Performance Targets</b>					
<b>Indicators</b>	<b>Base Year</b>	<b>Base Line</b>	<b>2022/23</b>	<b>2023/24</b>	<b>2024/25</b>	<b>2025/26</b>
A functional GHG Monitoring, Reporting and Verification system.	2020-2021	1	2	2	2	2
<b>Intermediate Outcome Indicators:</b>	Reduced human and economic loss from natural hazards and disasters					
	<b>Performance Targets</b>					
<b>Indicators</b>	<b>Base Year</b>	<b>Base Line</b>	<b>2022/23</b>	<b>2023/24</b>	<b>2024/25</b>	<b>2025/26</b>
Number of disaster risk assessments conducted	250	2020/21	110	100	50	50
Number of people supplied with relief items	350000	2020/21	470000	350000	300000	200000
Average response time to disasters (Hrs)	2020/2021	48	32	24	12	12
<b>Sub-Programme Name:</b>	<b>Water Resources Management</b>					
<b>Intermediate Outcome Indicators:</b>	Improved Catchment Based Water Resources Management					
	<b>Performance Targets</b>					
<b>Indicators</b>	<b>Base Year</b>	<b>Base Line</b>	<b>2022/23</b>	<b>2023/24</b>	<b>2024/25</b>	<b>2025/26</b>
Percentage of planned CMP Interventions implemented	2022-23	2022-23	40%	45%	50%	60%



<b>Sub-Programme Name:</b>	<b>Water Resources Management</b>					
<b>Intermediate Outcome Indicators:</b>	Improved Water Quality Monitoring					
<b>Indicators</b>	<b>Performance Targets</b>					
	<b>Base Year</b>	<b>Base Line</b>	<b>2022/23</b>	<b>2023/24</b>	<b>2024/25</b>	<b>2025/26</b>
No. of permit holders complying to permit conditions.	2020-21	2020-21	400	450	500	450
No. of user permits issued.	2020-21	2020-21	200	250	300	350
No. of Water User Permit holders monitored.	2020-21	2020-21	400	450	500	550

**P3: Medium Term Budget Allocations by Sub-Programme and Vote****Table P3.1: Proposed Budget Allocations and Medium Term Projections by Sub-Programme**

<i>Billion Uganda Shillings</i>	<b>2022/23</b>	<b>Medium Term Projections</b>			
	<b>Proposed Budget</b>	<b>2023/24</b>	<b>2024/25</b>	<b>2025/26</b>	<b>2026/27</b>
01 Environment and Natural Resources Management	466.682	671.834	420.122	310.858	237.506
02 Land Management	59.920	59.920	59.920	59.920	59.920
03 Water Resources Management	363.355	76.687	74.746	32.093	65.779
<b>Total for the Programme</b>	<b>889.957</b>	<b>808.441</b>	<b>554.789</b>	<b>402.871</b>	<b>363.205</b>

**Table P3.2: Proposed Budget Allocations and Medium Term Projections by Vote**

<i>Billion Uganda Shillings</i>	<b>2022/23</b>	<b>Medium Term Projections</b>			
	<b>Proposed Budget</b>	<b>2023/24</b>	<b>2024/25</b>	<b>2025/26</b>	<b>2026/27</b>
003 Office of the Prime Minister	13.805	13.805	13.805	13.805	13.805
011 Ministry of Local Government	11.755	0.300	0.300	0.300	0.300
012 Ministry of Lands, Housing & Urban Development	20.774	20.774	20.774	20.774	20.774
019 Ministry of Water and Environment	610.003	539.942	286.290	134.372	94.706
108 National Planning Authority(NPA)	0.331	0.331	0.331	0.331	0.331
109 Uganda National Meteorological Authority (UNMA)	25.302	25.302	25.302	25.302	25.302
122 Kampala Capital City Authority(KCCA)	20.556	20.556	20.556	20.556	20.556
150 National Environment Management Authority (NEMA)	16.683	16.683	16.683	16.683	16.683
156 Uganda Land Commission (ULC)	38.976	38.976	38.976	38.976	38.976
157 National Forestry Authority(NFA)	36.473	36.473	36.473	36.473	36.473
505 Uganda High Commission in Kenya ,Nairobi	0.050	0.050	0.050	0.050	0.050
606 Local Governments 06	95.250	95.250	95.250	95.250	95.250
<b>Total for the Programme</b>	<b>889.957</b>	<b>808.441</b>	<b>554.789</b>	<b>402.871</b>	<b>363.205</b>

**P4: PROGRAMME PRIORITIES IN LINE WITH INTERVENTIONS FOR FY2022/23**

Programme Priorities FY2022/23	NDP III Programme Intervention aligned to
1,000,000 quality bamboo seedlings supplied from verified seed sources 10,000,000 quality indigenous seedlings supplied from verified seed sources 29,000,000 quality exotic seedlings supplied from verified seed sources 13 nursery infrastructures developed -orchards, water sources, nurseries 500 Quality bamboo propagation materials and seed supplied from managed sources 2 seed stands and orchards developed 2000 Quality indigenous seed supplied from managed seed sources in CFRs	Assure a significant survival rate of planted tree seedlings
<ul style="list-style-type: none"> <li>- Land Information System (LIS) integrated with 2 systems from other MDAs</li> <li>- Beta version of online services tested - LIS rolled out to 5 districts</li> <li>- MZO electronic equipment and LIS insured against all risk</li> <li>- SLAAC tool upgraded and maintained</li> <li>- Land administration structures / archival centres at NLIC and Entebbe established</li> <li>- 350 overlapping surveys and titles harmonized in the LIS</li> <li>- Specialized training for 4 NLIC to maintain the LIS carried out</li> <li>- 204 NLIC staff and LIS Users trained on LIS</li> <li>- 120,000 land conveyances i.e mortgages, caveats , transfers etc carried out</li> <li>- 88,450 titles issued</li> <li>- 90,000 physical planning applications approved</li> <li>- 62.5 bn revenue generated</li> <li>- 22 sensitization campaigns undertaken by the 22 MZOs</li> <li>- National Atlas revised</li> <li>- 2 Regional Tourist Maps revised</li> <li>- 4 Large Scale Town/City Maps (Arua, Gulu, Mbale and Jinja) revised</li> <li>- 47 Topographic maps revised Government Cadastre Data Inventory and</li> <li>- Consolidation for 2 MZOs (Wakiso and Luwero MZOs) undertaken</li> <li>- Coordination of Cadastre Blocks and Insets for 2 MZOS (Wakiso and Luwero) undertaken</li> </ul>	Complete the rollout and integration of the Land Management Information System with other systems.
<ul style="list-style-type: none"> <li>- Land Valuation management system developed</li> <li>- 25,000 property valuations carried out and supervised</li> <li>- National Valuation Standards and Guidelines developed</li> <li>- Data for Land Valuation databank collected and databank developed</li> <li>- Property indices for taxation and valuation purposes developed and published</li> <li>- 50 land acquisitions for Government development projects supervised</li> <li>- Compensation rates for 146 districts reviewed and approved</li> <li>- 22 MZOs sensitized on valuation activities</li> </ul>	Develop and implement a Land Valuation Management Information System (LAVMIS);
Feedback on utilisation of meteorological forecasts and impacts of severe weather conditions achieved in central, eastern, northern and western regions.	Enhance access and uptake of meteorological information
Enhanced capacity on the utilization of short-term weather information through farmer engagement undertaken for 40 districts countrywide	Enhance access and uptake of meteorological information
Four (4) seasonal climate outlooks produced, translated into local languages and issued on quarterly basis to the whole country	Enhance access and uptake of meteorological information
ICT based dissemination platforms of climate information identified and utilized	Enhance access and uptake of meteorological information

Programme Priorities FY2022/23	NDP III Programme Intervention aligned to
Ministries, Departments, Agencies (MDAs) and Local Governments (LG) engaged in the co-production and use of climate information for planning and decision making	Enhance access and uptake of meteorological information
20 Media personnel trained in downscaling and interpretation of climate forecasts and information in order to increase access to the information by the communities in the districts	Enhance access and uptake of meteorological information
Daily forecasts disseminated to 4 media houses of UBC TV, Star TV, Bukedde 1 T.V and 1 privately owned TV station after the newscasts in Luganda, Swahili and English	Enhance access and uptake of meteorological information
Sensitization and feedback on Marine forecasts obtained	Enhance access and uptake of meteorological information
Marine weather services expanded to cover Lake Albert	
Research studies undertaken to strengthen research on future climate trends and its impacts to produce an annual state of the climate report for Uganda for 2021 and a Preliminary State of the Climate of Uganda 2022	Enhance access and uptake of meteorological information
Dissemination of daily weather information improved to Entebbe Airport station and other station visitors	Enhance access and uptake of meteorological information
<ul style="list-style-type: none"> <li>- Land laws, policies, standards and guidelines formulated and reviewed</li> <li>- 2 regional workshops held to disseminate the Eviction guidelines, NLP, Land regulations and guidelines</li> <li>- Review and stakeholder consultations on NLP and NLUP conducted</li> <li>- Regional consultative workshops on land act amendment undertaken</li> <li>- Land Acquisition and Resettlement policy and Land Acquisition, Resettlement and rehabilitation Bill finalized and disseminated to 70 districts</li> <li>- Land act and land regulations reviewed and disseminated to 80 districts</li> <li>- National Gender Strategy on land implementation disseminated</li> </ul>	Fast-track the formulation, review, harmonisation, and implementation of land laws, policies regulations, standards and guidelines.
<p>Improve coordination, planning, regulation and monitoring of water resources.</p> <p>Develop and implement integrated catchment management plans for water resources catchment areas.</p> <p>Demarcate and gazette conserved and degraded wetlands.</p> <p>Establish functional gender sensitive regional and zonal management committees for water resources.</p> <p>Ensure effective early warning and early action for sustainable efficient utilization of water resources.</p> <p>Maintain natural water bodies and reservoirs to enhance water storage capacity to meet water resource use requirements.</p>	Improve coordination, planning, regulation and monitoring of water resources at catchment level
Capacity built for 50 environmental officers in use of GPS devices in Northern and Central Uganda	Improve coordination, planning, regulation and monitoring of water resources at catchment level
<p>1,500 ha of forest assessed for biomass Biomass technical report</p> <p>1,500 ha assessed for land use forest cover technical report</p> <p>5,000 ha Area under Forest Inventory and harvesting plans updated</p>	Increase investment in value addition to environment and natural resources products and services.
1 Automatic Weather Observing Stations for Pakuba procured and installed	Install new and adequately equip and maintain existing automatic weather stations to ensure maximum functionality
5 Automatic stations in Albertine districts of Bundibugyo, Ntoroko, Buliisa, Kikuube and Kibaale established	Install new and adequately equip and maintain existing automatic weather stations to ensure maximum functionality

Programme Priorities FY2022/23	NDP III Programme Intervention aligned to
Functionality of 15 RIKA AWS and 10 DAVIS AWS stations increased in Lamwo-LamwoTC, LamwoMadioppe, Adjumani-AdjumaniTC, Adjumani-Itirikwa, Nwoya-Alero, Nwoya-Gotapwoyo, Amur-Ataiak, Amur-Biira, Kitgum-Mucwini, Kitgum-Orom, Agago-Adilang, Agago-Wol, Gulu-Paloro, Omoro-Lalogi, Pader-Lantanya	Install new and adequately equip and maintain existing automatic weather stations to ensure maximum functionality
Functionality of 100 Rainfall Stations, 76 ADCON AWS and 53 manual weather stations maintained and improved across the country	Install new and adequately equip and maintain existing automatic weather stations to ensure maximum functionality
Radar and Windshear Operations maintained at Lira, Rwampara and Entebbe	Install new and adequately equip and maintain existing automatic weather stations to ensure maximum functionality
5 hydro-met stations of Butiaba, Pachwa, Ngoma, Nabwuin and Kyegegwa rehabilitated	Install new and adequately equip and maintain existing automatic weather stations to ensure maximum functionality
Radar Operation centre at Kigungu constructed, Lira and Kigungu radar sites fenced off.	Install new and adequately equip and maintain existing automatic weather stations to ensure maximum functionality
Calibration undertaken for 20 Atmospheric Barometers, 20 Air thermometers, 20 Sunshine sensors, 20 wind direction and speed sensors at 20 Weather stations	Install new and adequately equip and maintain existing automatic weather stations to ensure maximum functionality
1 Air Pollution monitoring station Established in Mbarara	Install new and adequately equip and maintain existing automatic weather stations to ensure maximum functionality
Upper Air Station in Entebbe and Ntusi weather station office rehabilitated	Install new and adequately equip and maintain existing automatic weather stations to ensure maximum functionality
1 Zonal Office of Mbarara Operationalized and pit latrines of Ntusi and Kibanda constructed	Install new and adequately equip and maintain existing automatic weather stations to ensure maximum functionality
- Physical planning priorities for 15 LGs profiled - Land use layers integrated into the Land Information System	Promote integrated land use planning.
- 120,000 land conveyances i.e mortgages, caveats , transfers etc carried out - 88,450 titles processed - Survey and demarcation of boundaries of 4 cities and Urban Centers (Arua, Gulu, Jinja and Mbale) - 100 National (inter district) boundaries Affirmed to reduce border disputes - 100 rectifications of surveys and mapping data made - 20 GCPs established in Maracha, Bukedea, Namutumba, Serere, Mbale, Bududa, Kapchorwa, Namisindwa, Mnafwa, Kumi, Dokolo, Ngora, Kalaki and Kaberamaido - 1200 searches conducted - Land registrars trained - 20 trustees registered	Promote land consolidation, titling and banking.

Programme Priorities FY2022/23	NDP III Programme Intervention aligned to
<p>Restore 13,000 Ha Wetland systems and gazette 1,700Km of conserved and degraded wetland systems in Central n Mityana, Nakaseke, Mukono, Buikwe, in Northern- Omoro, Oyam, Arua in Enyau wetland system, Otuke, Lira, Pader in Aswa wetland system in Eastern-Mayuge, Luuka in Lumbuye wetland system, Namayingo, Busia, Bugiri in Kibimba wetland system and in Western Kabarole, Kamwenge, Kitagwenda in Mpanga wetland system, Kibaale, Kagadi in Muziizi wetland system.</p> <p>Develop 8 wetland management plans for the restored and demarcated wetlands.</p> <p>Develop and complete wetland resource-based enterprises, eco-tourism sites and craft centers in Mpanga, Tochi and Awoja. Eco-tourism sites and craft centers identified and developed in Sezibwa. Gazette, demarcate and restore 2 degraded biodiversity hotspots Mulehe and Olweny Wetlandsas Special Conservation Areas.</p> <p>50Km of natural water bodies and reservoirs, river banks and Lakeshores surveyed and demarcated</p> <p>Undertaking mapping of hotspots and degraded mountain ecosystems and commence restoration of 7,500 Ha. Scale-up implementation of the Sustainable Land Management in 2 districts of Bulambuli, Sironko.</p> <p>Develop a 5-year National Environment Action Plan, develop a programme for establishment of green belts in the newly established cities and municipalities and develop a programme for management of urban rivers</p> <p>8,000 farmers in project targeted districts across the country and refugee hosting communities supported with tree seedlings of assorted species to establish 113,000 Hectares of forest plantation. 2000 farmers in the refugee host districts supported to establish 1,500 ha of woodlot plantations. Wood processing hub for Nyabyeya Forest College established. 100 youth trained at Nyabyeya Forestry College in wood technology and wood value chains.</p> <p>4000 farmers in the refugee host districts supported with tree seedlings to establish 3,000 ha of agroforestry landscape. 54 nursery beds in refugee host districts supported with nursery materi</p>	<p>Strengthen conservation, restoration of forests, wetlands and water catchments and hilly and mountainous areas:</p>

Programme Priorities FY2022/23	NDP III Programme Intervention aligned to
<p>Restore 13,000 Ha Wetland systems and gazette 1,700Km of conserved and degraded wetland systems in Central n Mityana, Nakaseke, Mukono, Buikwe, in Northern- Omoro, Oyam, Arua in Enyau wetland system, Otuke, Lira, Pader in Aswa wetland system in Eastern-Mayuge, Luuka in Lumbuye wetland system, Namayingo, Busia, Bugiri in Kibimba wetland system and in Western Kabarole, Kamwenge, Kitagwenda in Mpanga wetland system, Kibaale, Kagadi in Muziizi wetland system</p> <p>Develop 8 wetland management plans for the restored and demarcated wetlands.</p> <p>Develop and complete wetland resource-based enterprises, eco-tourism sites and craft centers in Mpanga, Tochi and Awoja. Eco-tourism sites and craft centers identified and developed in Sezibwa. Gazette, demarcate and restore 2 degraded biodiversity hotspots in Mulehe and Olweny Wetlands as Special Conservation Areas.</p> <p>50Km of natural water bodies and reservoirs, river banks and Lakeshores surveyed and demarcated.</p> <p>Undertaking mapping of hotspots and degraded mountain ecosystems and commence restoration of 7,500 Ha. Scale-up implementation of the Sustainable Land Management in 2 districts of Bulambuli, &amp; Sironko. Finalize the gazettment of cities of Gulu, Masaka and Fortportal as green parks and belts. Restore 100Ha of mountain ecosystems. Restore and maintain 450 Ha of degraded riverbanks and lakeshores</p>	<p>Strengthen conservation, restoration of forests, wetlands and water catchments and hilly and mountainous areas:</p>
<ul style="list-style-type: none"> <li>- 50 DLBs, 50 DLOs and 140 ALCs trained in land management</li> <li>- 35 DLOs, 35 DLBs, and 22MZO supervised, monitored and technically supported</li> <li>- The role of 3 traditional institutions in land administration strengthened</li> <li>- 10 Public sensitizations on Land matters Undertaken in 10 subregions of Acholi, Ankole, Buganda, Bugisu, Busoga, Karamoja, Kigezi, Teso, Toro, and West Nile ensuring representation of all groups especially women and the vulnerable</li> <li>- 8 technical staff trained in specialized short courses on Land Management and Administration</li> </ul>	<p>Strengthen the capacity of land management institutions in executing their mandate geared towards securing land rights.</p>

#### P5: GENDER AND EQUITY ISSUES AND INTERVENTIONS FOR FY2022/23

1. The programme will continue to carry out sensitization of communities in environment protection and management, giving women executive positions in management since they are the most affected.
2. Design different channels for dissemination of weather and climate information to the women, men and other vulnerable groups.
3. Sensitization of beneficiaries under the Land Fund and processing of titles for family land in the names of the couples. Leasing of government land without discrimination to both men and women.
4. 11 Forestry Management Area Plan Committees established, one per FMAP and 10,000ha of CFRs developed under Licenses and MOUs and increased level of NFA compliance with government gender and equity standards.