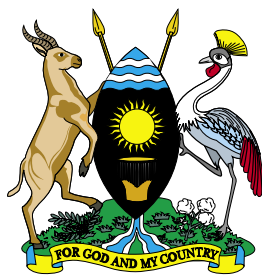




THE REPUBLIC OF UGANDA

THE ENVIRONMENTAL MONITORING PLAN FOR THE ALBERTINE GRABEN 2012-2017





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ROYAL NORWEGIAN GOVERNMENT



NORWEGIAN DIRECTORATE
FOR NATURE MANAGEMENT



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LIST OF ACRONYMS

AEAM	-	Adaptive Environmental Assessment and Management
AG EMP	-	Albertine Graben Environmental Monitoring Plan
a.m.s.l	-	above mean sea level
BGBD	-	Below Ground Biodiversity
CAS	-	Catch Assessment Survey
CDP	-	Community Development Department
CSOs	-	Civil Society Organisations
DFR	-	Directorate of Fisheries Resources
DLG	-	Department of Local Government
DN	-	Norwegian Directorate for Nature Management
DOM	-	Department Of Meteorology
DOOH	-	Department of Occupational Health
DWRM	-	Directorate of Water Resources Management
EA	-	Exploration Area
EIA	-	Environmental Impact Assessment
EIN	-	Environment Information Network
EPT	-	Ephemeroptera -Plecoptera -Trichoptera
FAO	-	Food and Agriculture Organization of the United Nations
GIS	-	Geographic Information System
GPS	-	Global Positioning System
IEC	-	Information Education Communication
IH	-	Impact Hypotheses
IPP	-	Integrated Power Project
IUCN	-	International Union for Conservation of Nature
MAAIF	-	Ministry of Agriculture, Animal Industry and Fisheries
MCS	-	Monitoring Control and Surveillance
MEMD	-	Ministry of Energy and Mineral Development
MoGLSD	-	Ministry of Gender, Labour and Social Development
MIST	-	Management Information System Technology
MLHUD	-	Ministry of Lands, Housing and Urban Development
M&E	-	Monitoring and Evaluation
M&R	-	Monitoring & Research
MoES	-	Ministry of Education and Sports
MoH	-	Ministry of Health
MoTWC	-	Ministry of Transport, Works and Communication
MoU	-	Memorandum of Understanding
MTWH	-	Ministry of Tourism, Wildlife and Heritage
MUIENR	-	Makerere University Institute of Environment and Natural Resources
MWE	-	Ministry of Water and Environment
NaFIRRI	-	National Fisheries Resources Research Institute
NP	-	National Park
NARL	-	National Agricultural Research Laboratories
NEA	-	National Environment Act
NEMA	-	National Environment Management Authority
NFA	-	National Forestry Authority
NINA	-	Norwegian Institute for Nature Research
NGO	-	Non-Governmental Organization
OfD	-	Oil for Development
OSH	-	Occupational Safety and Health
PEPD	-	Petroleum Exploration and Production Department
PHCs	-	Polychlorinated Hydrocarbons
RBDC	-	Ranger Based Data Collection
RU	-	Reservation Unit
TWA	-	Time Weighted Average
UTM	-	Universal Transverse Mercator
UWA	-	Uganda Wildlife Authority
VECs	-	Valued Ecosystem Components
WHO	-	World Health Organization
WMD	-	Wetlands Management Department
WWF	-	World Wide Fund

FOREWORD

The Albertine Graben region in western Uganda is widely known for its richness in both flora and fauna, and over the last decade it has also received much attention for its deposits of oil and gas as well as the exploration of these resources. The oil and gas that are being rapidly explored engages many stakeholders and it is expected that when the extraction of these resources begins, it will have great economic impact on the country. Concurrently, it is also expected that developments in the region will have a lasting impact on the unique environment of the Albertine Graben. It is against this background that the National Environment Management Authority in partnership with other stakeholders from the Environmental Information Network has worked towards producing an Environmental Monitoring Plan for the Albertine Graben (AG EMP).



Dr. Tom O. Okurut

The AG EMP is intended as a guiding tool in tracking the impact which oil and gas-related developments will have on the environment of the Albertine Graben. As such, the monitoring plan lists a number of environmental monitoring indicators that will be used to monitor a defined list of five major Valued Ecosystem Components, including: aquatic, terrestrial, physical/chemical, society, and management & business. Over time, the monitoring indicators will demonstrate progress and changes in the ecosystem components, signaling when environmental management in the petroleum sector is on track, or giving early warnings for when developments are heading in the wrong direction.

Furthermore, the AG EMP gives a detailed summary of the current state of the environment in the Albertine Graben, the possible effects which oil and gas developments may have on species such as fish, mammals, amphibians and birds, and other environmental components including water and air quality. Major potential drivers of change identified in the report include noise and vibrations, waste disposal, seismic activities and an influx in traffic, people and subsequent urban expansions.

In face of the rapid changes in the Albertine Graben, protecting its environment is of urgent

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