



MINISTRY OF WATER AND ENVIRONMENT

Lake Victoria Environmental Management Project Phase II



Contribution towards Water Resource Management, Environmental Protection and Regional Integration

Lake Victoria Environmental Management Project Phase Two (LVEMP II) is a regional initiative implemented by the East African Community



partner One of the trucks donated to KCCA by LVEMP II states of Burundi, Kenya, Rwanda, Tanzania and Uganda. The institutional and implementation arrangements of LVEMP II are based on the principle of "subsidiarity". At a regional level, the project is coordinated by Lake Victoria Basin Commission (LVBC), an organ of EAC and overseen by the Regional Policy Steering Committee (RPSC).

In Uganda, the Ministry of Water and Environment spearheads the project. Specifically, the National Policy Steering Committee (NPSC) and the National Technical Steering Committee (NTSC) supervises and guides the project, which is managed on daily basis by the National Project Coordination Team (NPCT).

The project also enters into a Memorandum of Understanding with some specialized Institutions and District Local Governments within the Lake Victoria Basin to ensure its effective implementation. The overall development objective of the project is to contribute to the vision and strategic framework of the East African Community (EAC) for the management and development of the Lake Victoria Basin, which is "a prosperous population living in a healthy and sustainably managed environment providing equitable opportunities and benefits".

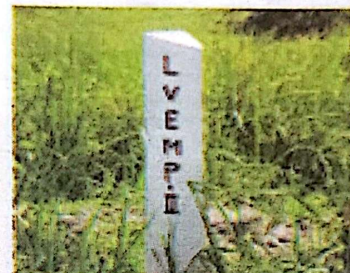
The specific objectives are to contribute to the improvement of the collaborative management of the trans-boundary natural resources of the Lake Victoria basin among the partner states, and the improvement of environmental management of targeted pollution hotspots and selected degraded sub catchments for the benefit of communities who depend on the natural resources of Lake Victoria basin.

Considering that over 98 percent of Uganda's water resources are

trans-boundary in nature, Uganda is keen on fostering close collaboration with her neighbours in the joint planning, management and development of the shared water resources for the benefit of communities that depend on it.

The Lake and its Basin play a major role in supporting a wide diversity of flora and fauna. With a surface area of 68,000 km², the Lake is shared by three countries: Kenya (6%), Uganda (43%) and Tanzania (51%). The catchment area of the Lake, which is 193,000km² extends into the Republics of Rwanda and Burundi. It is estimated that about five million people live within the Basin. In Uganda, the project focuses on Katonga River Catchment area, covering nine districts of Masaka, Rakai, Mpigi, Gomba, Kalungu, Kalangala, Mubende, Mityana and Namayingo.

The World Bank and development partners, including Global Environment Facility (GEF) and Sweden International Development



A concrete pillar demarcating Wakitundu wetland boundary, in Mityana district

Agency (SIDA) finance the project.

Project progress

The overall project progress stands at 81.7 percent towards key performance indicators, directly benefiting 1,081,000 persons and an additional 64,000 persons to benefit from the ongoing interventions when completed. The progress is summarized under four major project components as below:

Strengthening of institutional capacity

The objective of this component is to enhance collaboration among the East African Community partner states in the management of shared natural resources. Progress is measured by the extent to

which countries adopt and use harmonized policies, legislations and regulatory frameworks for water and fisheries management.

Accordingly LVEMP II Uganda has contributed towards the review and harmonization of regional policies and regulations governing the utilization of fisheries and water resources. They include the development and approval of Lake Victoria Water Resources Management Policy, Lake Victoria Basin Harmonized Standards for Industrial and Municipal Effluent Discharges into River Systems, and Integrated Water Resources Management Plan (IWRMP) for the Lake Victoria Basin.

Others are Lake Victoria Fisheries Management Plan, Lake Victoria Basin - wide Sustainable Land Management Strategy, Options for Establishing the Lake Victoria Environmental Trust Fund (LVETF), Water Hyacinth Management Strategy, Data, Information and Knowledge Sharing Protocol in the Lake Victoria Basin, Operationalization of the Fish Levy Trust Fund.

Under the Ecosystem Monitoring and Applied Research sub component, LVEMP II has contributed towards the supply, installation and commissioning of two water analysis and monitoring equipment at the National Water Quality Management Laboratory (NWQML) at the Directorate of Water Resources Management (DWRM) and the National Water and Sewerage Corporation (NWSC).

Pollution control and prevention

One of the objective of the project is to reduce pollution from municipal waste by supporting public investments through the rehabilitation and improvement of selected waste water treatment facilities, connection of primary treatment of effluent discharge to constructed or restored wetlands and provision of improved on-site sanitation facilities.

In fulfilling this objective, LVEMP II has undertaken a feasibility study and engineering design to rehabilitate Gaba and Kirinya Waste Water Treatment Facilities. The Environmental and Social Impact Assessment (ESIA) for Kirinya has been completed.

To reduce on environmental pollution and flood frequency in Kampala, LVEMP II has procured and handed equipment worth UGX 4.2 billion to Kampala Capital City Authority (KCCA) for solid waste management and maintenance of storm-water drainage systems.

These are six excavators, three compactor garbage trucks and six tipper trucks, each with a capacity of 15 tons and two double cabin pickups.

Because of this intervention, 324,924 tons of silt have been collected from Nakivubo Channel since July 2015 and used at Kitezi landfill to eliminate the bad smell.

LVEMP II has also established a resource centre for the coordination of sensitization activities and providing feedback for stakeholders within Nakivubo channel catchment, managed by KCCA. Further, Environmental Clubs have been initiated in 13 KCCA supported schools.

To improve the safety of navigation for both cargo and passenger ferries, and prevent marine vessel accidents, which could be a major source of pollution including oil spills, LVEMP II, in collaboration with Lake Victoria Basin Commission (LVBC) have supported the Ministry of Works and Transport (MoWT) with installation of 12 Aids to navigation facilities in and around Lake Victoria, plus procurement of a rigid speed boat worth US\$52,000 (UGX 171m) to facilitate the implementation of a contingency plan for oil spills and hazardous waste management in Lake Victoria and construction of Maritime Administration Block Office worth UGX 295 million.

The project also implements cleaner production technologies, which seeks to reduce industrial pollution by promoting on site pre-treatment of factories' waste and efficiency in raw material utilization through sorting, re-use and re-cycling activities. In so doing, the industries are expected to reduce on wastage, become competitive and reduce effluent discharge into Lake Victoria Catchment. As a result of this intervention, 157 industries have been trained in Resource Efficiency and Cleaner Production (RECP) technologies, attracting private sector investment worth US\$ 57.1million in cleaner production.

To control and prevent a further spread of water hyacinth, LVEMP II in collaboration with the Directorate of Fisheries Resources (DFR) has removed 2,640 tons of Water hyacinth from Lake Victoria at 22 hotspots through community mobilization. As a result, the Lake is much cleaner than before the interventions.

Watershed Management

Under this component, the project aims at reducing environmental stress from the Lake Basin by implementing non-point sources pollution mitigation and prevention measures through Community



Apiary development project supported by LVEMP II in Namayingo

Driven Development (CDDs) and Strategic Intervention sub projects.

Accordingly LVEMP II has disbursed UGX 5.5billion (100% of unconditional grants) to 46 community driven development sub projects and 23 strategic interventions in nine districts, including Mityana, Mubende, Gomba, Mpigi, Masaka, Rakai, Namayingo, Kalungu and Kalangala.

To contribute towards sustainable land management practices within the Lake Victoria basin, 557 individuals have been trained and 2,068 hectares of land planted with trees through community initiatives; 438 hectares of degraded lands have been restored and rehabilitated by communities in targeted sub-catchments.

Project Coordination and Management

This component provides the necessary resources for effective coordination and communication, and the monitoring and evaluation of project activities.

The key achievements under this component include: monitoring and evaluation of project activities, preparation of quarterly and annual reports, renovation of LVEMP II secretariat offices in Entebbe, development of communications strategy and outreach plan, production and circulation of e-newsletters, hosting of regional exchange visits for benchmarking project implementations, development and establishment of project website linked to the ministry website and web-based Document Management System, and improvement of financial management and procurement services



Waste plastic collection centre and tri-cycles for persons with disability sub project supported by LVEMP II at Kijabwemi cell, Masaka Municipality

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