

LEAF II Constructs 5 Modern Fish Landing Sites in D.R Congo & Uganda to Process 6,840 tons of fish, serve 14,528 fishers



ADMINISTRATION BLOCK AND 'ECOSAN' SANITATION SECTION OF MBEGU LANDING SITE ON LAKE ALBERT, UGANDA



THE RESIDENT DISTRICT COMMISSIONER OF RUKUNGIRI DISTRICT MR. DAN KAGUTA INSPECTING THE FISH LANDING AND PROCESSING SECTION OF RWENSHAMA LANDING SITE ON LAKE EDWARD IN UGANDA ON 18.02.2020



FISH LANDING AND PROCESSING SECTION AT THE RWENSHAMA LANDING SITE ON LAKE EDWARD IN UGANDA

LEAF II project has completed construction of five modern fish landing sites in D.R Congo and Uganda on the trans-boundary lakes Edward and Albert that will serve 14,528 fishers daily in both countries and improve the processing of 6,840 tons of fish annually.

The completed landing sites are Mahagi landing site and Vitshumbi in the D.R Congo and Rwenshama, Mahyoro, and Dei landing sites in Uganda. Each of these sites consists of a modern fish landing and processing facility, solar powered potable water supply system, 'ecosan' sanitation facility, hygienic sun drying facilities, modern fish smoking kilns, an administration block with fisheries officer's offices, secure fencing and access roads. Another

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NELSAP Implements USD 15 million Development Projects for Districts Neighboring Rusumo Project

As construction at the Regional Rusumo Falls Hydroelectric Project progresses to 62% as of April 2020, NELSAP-Project Implementation Unit (PIU) is implementing the Local Area Development Program (LADP) which has prioritized development projects in health, education, vocational training, roads, agriculture, water and livestock sectors in districts surrounding Rusumo project in Burundi, Rwanda and Tanzania. These initiatives are part of the USD 15 million benefit-sharing components of the Rusumo project where each country is receiving USD 5 million worth of projects.

Key among these is the Kigina Health Centre in Kirehe District of Rwanda that was completed and inaugurated on 6th June, 2019. The project has built major functional blocks for maternity, outpatient, pharmacy, observation, nutritional and voluntary counselling and testing (VCT) services. The facility

also received a new power generator, incinerator facilities for medical waste management among others.

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LEAF II Constructs 5 Modern Fish Landing Sites in the D.R Congo and Uganda

four landing sites at Tchomia and Kyavinyonge in D.R Congo and Kitebere and Mbegu in Uganda are nearing completion. The landing sites are expected to significantly reduce the high post-harvest losses of fish, which according to recent LEAF II research were up to 25% of all catches, improve fish prices through better fish handling and energy efficiency through modern kilns that are 50% more efficient. This initiative is supported through a grant and loan to D.R Congo and Uganda respectively from the African Development Bank (AfDB) and was implemented in collaboration with the NELSAP-CU/NBI.

“To me the most important part of this facility are the fish handling, the smoking areas and the Fisheries Officer’s offices, because with these, the sanitation, cleanliness and quality of fish from Rwenshama will improve and this will lead to better prices,” said Mr. Dan Kaguta, the Resident District Commissioner of Rukungiri District of Uganda. He was speaking on 18th February 2020 during the ‘Technical Handing Over’ of the completed Rwenshama Landing site to the Rukungiri District Local Government.

“We have been thinking of the global market, packaging and adding value to the fish, which we couldn’t do because we didn’t have proper fish handling facilities, but now we will pursue it,” he added.

“On behalf of the people of Rukungiri, I would like to thank the Government of Uganda together with its partners the LEAF II Project, NELSAP and the financiers for this facility, we now look forward to receive fish cages from the project that will increase fish production and incomes from Rwenshama,” said Mr. Anderson Katebere, the Chairperson of Rukungiri District Local Government.

The Ministries in charge of Water and Fisheries in the D.R Congo and Uganda through an inter-ministerial Technical Project Management Team were responsible for overseeing construction and technical evaluation of the contractors and construction process of the landing sites.

Some of the completed sites have been handed over to the District Local Governments for a ‘test run’ period, which will help evaluate the functionality of the landing facilities and rectify any defects, before the political hand over of the sites. Other sites will be handed over after COVID-19 movement restrictions are eased. At the same landing sites, trainings were conducted for fisheries officers and selected fish landing site committees who will be responsible for operation and maintenance of the facilities while other will be conducted after COVID-19 restrictions on gathering are eased.



A SECTION OF THE FISH SMOKING KILNS AT THE RWENSHAMA LANDING SITE IN UGANDA



SOLAR WATER PUMP TO SUPPLY BOREHOLE WATER FOR HYGIENIC CLEANING AND PROCESSING OF FISH



FISHERIES OFFICER'S OFFICE AND ADMINISTRATION BLOCK AT RWENSHAMA LANDING SITE IN UGANDA



A COMMUNITY SENSITIZATION MEETING NEAR THE PROPOSED ANGOLOLO DAM SITE EARLY MARCH 2020

Full Feasibility of Angololo Project Begins as Panel of Dam Experts, RPSC formed, Community Sensitization done

The full feasibility phase of the trans-boundary Angololo Multipurpose Water Resources Development project between Kenya and Uganda is underway with the creation of a Regional Project Steering Committee (RPSC) formation of an independent International Dam Safety Panel of Experts (DSPoE) community sensitization and procurement of a consultancy firm to undertake various aspects of the feasibility study. This study encompasses feasibility study, conceptual and detailed designs, preparing tender documents, social and environmental impact assessment (ESIA) a resettlement and compensation action plan (RCAP) and plan for project implementation. This phase is funded by the African Development Bank (AfDB) NEPAD-IPPF for USD 1.5 million while Kenya and Uganda are each contributing USD 75,000.

Early March 2020 NELSAP and the countries conducted community sensitization meetings at Angololo dam site on both sides of the border. The Community sensitizations were led by Mr. Chrispine Juma Omondi, Director of Water Resources, Kenya and Mr. Wyclif Tumwebaza, NBI Liaisons Officer, representing the Uganda Permanent Secretary in the Ministry of Water and Environment Mr. Alfred Okot Okidi. The meetings were attended by the Governor of Busia County of Kenya Hon. Sospeter Ojaamong and the District Commissioner of Namisindwa District of Uganda Mr. Kigai Moses.

“I am glad that this project has finally got funds for full feasibility and I hope that the feasibility will be successful so that its real implementation can start,” said Hon. Sospeter Ojaamong. The objective of the community sensitizations was to create awareness among the wider community, to explain

to the community the scope of the envisaged project feasibility studies and to solicit community support and goodwill towards the project study activities. The independent International Dam Safety Panel of Experts (DSPoE) was formed in March 2020 and consists of key experts in hydrology, geology, dam design and construction engineering. The panel will review and advise NELSAP on matters related to dam safety and other critical aspects like dam structures, reservoir, power facilities, dam filling and river diversion.

Kenya and Uganda have also formed a Regional Project Steering Committee (RPSC) that is composed of representatives of the Permanent/Principal Secretaries of the Ministries responsible for water, agriculture, irrigation and financial affairs of both countries. The RPSC is providing supervisory, advisory and strategic guidance, approving work plans, budgets, procurement plans and linkage with the relevant national institutions and are reporting back to their parent ministries. The Director of Trans-boundary Water Resources Ms. Gladys Wekesa is leading the Kenyan representation to the RPSC while the Uganda side is led by Mr. Jackson Twinomujuni, the Commissioner for International and Trans-boundary Water Affairs. The Angololo project is located on the trans-boundary Malaba River, within the Sio-Malaba Malakisi (SMM) River Basin within the Lake Victoria Basin. The project envisages a 43 million cubic metre dam for potable water supply, irrigation and hydropower generation. The project was identified by Kenya and Uganda in collaboration with NELSAP-CU. In 2010, NELSAP-CU with grant from the Royal Governments of Sweden and Norway undertook pre-feasibility studies.

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NELSAP Implements USD 15 million Projects for Districts Neighboring Rusumo

“My wife once delivered on the roadside as we tried to reach Kirehe Hospital, but it was too far from my home, however, with Kigina Health Centre that is well equipped, my dream of a nearby quality health facility has come true,” says Fulgence Barihuta from Rwanteru Cell. The health centre is serving more than 10,000 people in Kigina and the neighboring sectors. In Ngoma District, the project has paved 9.54 km of Kigabiro-Rurenge-Gatore road, constructed 28.7 km of mixed water pipeline supplying for people of Gatonde-Gahima cells and is now completing the construction of 33km Gituku-Murama water supply system to supply communities of Rukira and Murama Sectors.

“The now functional Cyagasenyi-Gasarabwayi-Nganda 30 km feeder road in Kigarama and Musaza Sectors, is another landmark for our community and we thank the Rusumo project for that,” said the Mayor of Kirehe District Mr. Gerald Muzungu.

In Ngara District of Tanzania, LADP is completing rehabilitation of four water supply systems in Rusumo village and Lemela vocational training center. The Program is also rehabilitating Lukole Health Center where it is completing construction of an administration block, outpatient department (OPD) operating theatre, pharmacy building, mortuary and maternity ward and new building facilities for Rusumo dispensary in Kyenda Village. The Program

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is leveling up education sector by rehabilitating dormitories, pit latrines, classrooms, administration blocks, teachers’ houses, science laboratory rooms for five schools namely Bukiro Secondary School, Makugwa Primary School, Rusumo Primary and Secondary Schools, Ngoma Primary School, Mumiterama Secondary School in Nyamwaga Village. LADP Tanzania is also enhancing livestock and bee keeping intensification and agriculture farming.

Burundi LADP is working to bring access to clean water for communities of Giteranyi and Busoni communes, in Muyinga and Kirundo Provinces, establishing water conservation projects, building administration offices for both communes and constructing Youth Training Centers. Construction works are having a major positive impact on social economic development of Rusumo area and is employing more than 600 skilled and casual laborers most of them coming from areas surrounding the construction sites such Kirehe in Rwanda, Ngara in Tanzania and Giteranyi in Burundi.



KIGINA HEALTH CENTRE BUILT THROUGH THE LADP PROGRAM OF RUSUMO PROJECT, SERVES 10,000 PEOPLE



SECTION OF A GENERAL WARD AT THE NEW KIGINA HEALTH CENTRE



CHILDREN OF RUSUMO VILLAGE FETCHING WATER FROM TANKS SUPPLIED BY THE RUSUMO PROJECT



A MEDICAL OFFICER ATTENDING TO A PATIENT AT THE NEW KIGINA HEALTH CENTRE



MINISTERS RESPONSIBLE FOR ENERGY AFFAIRS OF D.R CONGO HON. INGELE IFOTO AND HON. ENG. IRENE MULONI OF UGANDA SIGNING THE M.O.U FOR D.R CONGO (BENI-BUNIA-BUTEMBO) - UGANDA (NKENDA) INTERCONNECTION

NELSAP to Commence Updating Feasibility of D.R Congo - Uganda Power Interconnection with funding from the AfDB

NELSAP-CU has received funding from the African Development Bank to conduct updated feasibility studies of the 352.2 km D.R Congo-Uganda power interconnection. The updated feasibility covers engineering design, tender documents preparation, environmental, social impact assessment (ESIA) and resettlement action plan (RAP) for the D.R Congo (Beni-Bunia-Butembo) – Uganda (Nkenda) power interconnection. This funding is for updating the feasibility study of the 352.2 kilometres of Overhead Transmission Line (OHTL) at 220KV (400kV) to connect the Eastern part of DR Congo to the Uganda power grid. The D.R Congo portion of the interconnector line will be 279.7 kilometres while the Uganda portion will be 72.5 kilometres and will include four substations (at Beni, Bunia and Butembo in D.R Congo and at Nkenda in Uganda) together with telecommunication systems and rural electrification in the D.R Congo sections.

This funding by the African Development Bank (AfDB) under NEPAD-IPPF window to the tune of USD 0.925 Million was availed to NELSAP in March 2020 and the study is expected to run for 14 months. The feasibility study will be conducted by NELSAP-CU in consultation with *Société Nationale d'Electricité (SNEL)* of the D.R Congo and Uganda Electricity Transmission Company Limited (UETCL). D.R Congo and Uganda will provide USD 0.065 million as counterpart contributions.

As a precursor to this feasibility, NELSAP facilitated signing of an M.O.U between the Ministers in charge of Energy affairs of D.R Congo and Uganda in August 2017 in Kinshasa for this transmission line and for future energy projects.

The M.O.U signed by Hon. Ingele Ifoto, Minister of Energy D.R Congo and Hon. Eng. Irene Muloni, the Minister of Energy of Uganda established a framework of cooperation between D.R Congo and Uganda to enable joint development and implementation of energy projects, trade and exchange of electric power. Through the M.O.U the countries mandated NELSAP-CU to mobilize funds and coordinate physical implementation of the interconnection on behalf of the countries and facilitate other future cross-border investments in the energy sector.

The D.R Congo - Uganda interconnection project will contribute to the socio-economic development of the populations of the two countries through improved electricity provision, electrification of eligible communities along the line route, thanks to the Rural Electrification component and job creation for both women and the youth during the construction and operation of the line and will increase cross-border trade of energy and power between the two countries. This project is related to the on-going Interconnection of Electric Grids of the Nile Equatorial Lakes (NEL) Countries project which is a 931km, 220kV project that interconnects the power grids of five countries (Burundi, D.R Congo, Kenya, Rwanda and Uganda) and will have 17 substations. The interconnection of the NEL power grids project is also coordinated by NELSAP-CU on behalf of the country.

The African Development Bank (AfDB) has also financed a similar project, the Goma - Buhandahanda interconnection in the DR Congo, which is a 95km, 220kV line that interconnects with Ruzizi III Power Project. This project is also coordinated by NELSAP-CU on behalf of the countries.



KENYA HOSTED THE 1ST NELIP CONFERENCE IN AUGUST 2018. DURING THIS CONFERENCE, COUNTRIES AGREED TO THE DESIGN, STRUCTURE AND ROADMAP OF NELIP AND PRIORITIZED 124 PROJECTS IN SECTORS INCLUDING IRRIGATION, ENERGY, FISHERIES, WATER SUPPLY, WATERSHED MANAGEMENT AND SANITATION

Development of the Country Driven Multi-Sector Basin-Wide NEL Investment Program (NELIP) Taking Shape

In order to ensure country driven multi-sector and basin-wide approach to multipurpose infrastructure projects in the Nile River basin, NELSAP/NBI is coordinating Nile basin member countries to design, structure and package in-country and trans-boundary priority investment projects under the Nile Equatorial Lakes Investment Program (NELIP). The projects cover sectors including hydropower, fisheries, irrigation, power interconnection and watershed management. NELIP will champion investments from studies already undertaken by NELSAP and also projects introduced by the member countries. The selected package of projects are those that will have the greatest benefit to the water, food, energy and environment sectors, improve rural livelihoods while having the least impact on the natural flow of the Nile River, including reducing sedimentation.

NELIP recognizes that all Nile Equatorial Lakes (NEL) riparian countries have investment plans which tap the potential of the River Nile to accelerate poverty alleviation and boost economic growth. Coordinated management of these investment will ensure countries reap the most from multi-country infrastructure, reduce political tensions, promote efficient use of common water resource and encourage regional cohesion. Key indicators of NELIP success will be number of households connected to electricity supply, amount of food produced annually, amount of sediment loading in kilograms in waterways and water bodies, percentage of economic growth and number of rural communities living above the poverty line.

NELIP Background: The NELIP process begun when NELSAP carried out a NEL Multi-sector Investment Opportunity Analysis (MSIOA) which

developed a NEL regional water investment strategy. Based on that, a NELIP Concept Paper was developed and approved by the NEL Council of Ministers in 2017. In 2018 NELSAP brought together in Nairobi, high level multi sector stakeholders from nine NEL countries including Permanent Secretaries and Undersecretaries responsible for water, irrigation, energy, fisheries, finance and planning. The stakeholders came up with 124 priority projects that are being screened, together with the countries, in order to come up with shortlist of best investment options that will form the first five year phase of the NELIP. Implementation will be monitored through NEL regional program impact monitoring framework.

The NELIP Proposal Development Road-Map

AUG 2017	NELIP Concept Paper Approved by the NEL Council of Ministers.
AUG 2018	1 st NELIP Regional Consultative Workshop in Nairobi to design NELIP Framework and Roadmap. 124 projects prioritized.
NOV 2019	2 nd NELIP Regional Consultative Workshop. NELIP implementation structure and institutional arrangements were agreed upon.
DEC 2019	Countries verified NELIP Inception Report and project screening criteria in Nairobi.
JAN 2020	Countries Consultations for Rapid Assessment of Country's needs and update of projects information was conducted.
APR 2020	Preparation of the NELIP Investment Plan and Proposal.
MAY 2020	3 rd Regional Workshop to validate draft NELIP Proposal by NELTACS, PS's and Technical staff from the multi-sector ministries.
JUN 2020	Approval of the NELIP Proposal by Council of Ministers and Signing by Ministers in Charge of Energy, Water, Fisheries and Finance.



WRMA OFFICERS CONFIGURING AN AUTOMATIC WEATHER STATION



NELSAP Begins to establish a Network of Hydrological Stations in NEL Region for Effective River Basin Planning

NELSAP is coordinating establishment of hydrological monitoring network of stations in Burundi, D.R Congo, Kenya, Rwanda, Tanzania and Uganda to provide real time data and more reliable information to improve water resources planning and management both at national and regional levels. This will enable flood and drought disaster preparedness, monitoring of surface water quality and sediment transport, coordinated management of water storage dams, navigation and improved adaptation to climate change. The NELSAP component is part of the Nile Basin Regional Hydromet project, which is a basin-wide Euros 5.5 million EU-BMZ funded project that will install a total of 80 hydrological stations across the Nile River basin. The project is being implemented by the three NBI centers and NELSAP is responsible for the NEL region.

As part of this hydrological package, each of the NEL countries will receive water level and rainfall sensors, data loggers, accessories necessary for installation/rehabilitation of selected stations, equipment for water discharge measurements (ADCP) dual data transmission technology (GPRS and Satellite) and each country will have the option to switch to either option for compliance with their national policy and country limitations. National data centres will be equipped and countries will also receive a toolkit for water quality and sediment transport monitoring, accompanied with trainings for national staff. Information products generated from data collected at the regional stations will be considered as final information for decision making and member states are putting in place a mechanism for sharing these. Upon completion, the stations will be handed over to the countries for operation and maintenance.

Hydromet Stations per NEL Country

BURUNDI	2 stations on Ruvubu River at Gitega and Muyinga
D.R CONGO	1 station at the Semuliki River
KENYA	6 stations at Nzoia, Yala, Nyando, Sondu Miriu, Gucha Migori, Mara.
RWANDA	7 stations at Gakindo, Gihinga, Kagitumba , Ruliba, Rusumo, Shell, Akagera Outlet.
TANZANIA	8 stations at Mara River, Grumeti River, Ruvuvu River River at Mumwendo Ferry, Mbarageti River, Duma River, Kagera River at Kyaka Ferry, Mara River at Kogatende, Simiyu River at Lumeji.
UGANDA	15 stations at at among others L. Victoria at Jinja pier, River Katonga, R.Kagera at Masangano, R.Sio at Luhulali, R.Bukora at Mutukula, L.Kyoga at Bugondo Pier, Victoria Nile at Mbulamuti, R.Malaba at Jinja, R. Kyoga Nile at Masindi Port, R. Kyoga Nile at Paraa, L.Edward at Katwe, L.Albert at Butiaba, R.Semliki at Bweramule, Albert Nile at Laropi and at Panyango

Hydromet Project Progress so far

JUL 2019	Establishment of the Regional Hydromet Experts Working Group (REWG) and National Team (NT) for each country
SEP 2019	Country consultations and baseline update of the national hydrological systems in the NEL.
NOV 2019	Project launched in Nairobi by Kenya's Deputy President Hon. William Ruto and Head of EU Delegation H.E. Amb. Simon Mordue.
NOV 2019	Contract signed between NBI and RTI international to review, design and implement some components of the hydromet system.
DEC 2019	ONGOING: Field site assessment to review existing hydrological monitoring infrastructure in preparation of establishing a robust hydrological monitoring system.



DRAFT TUBE AT THE POWERHOUSE



SERVICE BAY AT THE POWERHOUSE

Another Milestone as Construction at the Regional Rusumo Falls Hydro-electric Project Progressed to 62% in April 2020

NELSAP Project Implementation Unit (PIU) and the Rusumo project engineers continued to increase the speed of work at the Regional Rusumo Falls Hydroelectric Project site, and in April 2020 construction reached yet another milestone, progressing to 62%.

The powerhouse area construction is now ready to accept water passage steel. A temporary tailrace wall and ramp are to be built soon to aid in steel liner installations. At the power intake, the gantry erection continues. Spillway radial gate and operator line assembly continued, including placement of concrete with two spillway decks. River diversion guide wall work is still in progress while headrace tunnel (HRT) works, which include full scale drilling and blasting and pilot blast have been successful.

At the switchyard, concreting for gantry tower and shunt reactor bases is progressing well. The electromechanical contractor (CP2) continues with tower anchor installations while construction of permanent residential buildings at the powerhouse are now effectively complete.

The Regional Rusumo Falls Hydroelectric Project (RRFHP) is an 80MW trans boundary hydropower project implemented on the Rusumo river by NELSAP- PIU on behalf of the Rusumo Power Company Limited (RPCL) which was established by the governments of Burundi, Rwanda and Tanzania. The project is funded by the World Bank for USD 340 million. The associated transmission lines connecting each of the three country's Electric Grid to the Rusumo project switchyard are funded by the African Development Bank (AfDB) for USD 128 Million.

Upon completion, this project will bring an additional 26.6 megawatts of renewable, clean, relatively low-cost power to the national grids of Burundi, Rwanda and Tanzania. The additional power will benefit an estimated 1,146,000 people in the three countries and an estimated increase in electricity access rates of; 5.4% (520,000) in Burundi, 4% (467,000) in Rwanda and 0.34% (159,000) in Tanzania.

For more on the project kindly visit the Rusumo project website: www.rusumoproject.org

ONE RIVER ONE PEOPLE ONE VISION



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