



## NELSAP AT A GLANCE

### Overview of NELSAP

The Nile Basin Initiative (NBI) is a partnership of the riparian states effective 1999; it seeks to develop the river in a cooperative manner, share substantial socioeconomic benefits, and promote regional peace and security through its shared vision of *“sustainable socioeconomic development through the equitable utilization of, and benefit from, the common Nile Basin water resources”*. The NBI is based in Entebbe, Uganda; it includes Burundi, Democratic Republic of Congo, Egypt, Ethiopia, Kenya, Rwanda, Sudan, Tanzania and Uganda. Eritrea is participating actively in the NBI in an observer.

The Nile Equatorial Lakes Subsidiary Action Program (NELSAP) is one of two investment programs under the Nile Basin Initiative (NBI). The other is the Eastern Nile Subsidiary Action Program (ENSAP). NELSAP promotes investments in power development and trade, river basin management and development, agricultural trade and productivity and fisheries and watershed management.

NELSAP oversees the implementation of jointly identified projects and promotes cooperative inter-country and in-country investment projects related to the common use of the Nile Basin’s water resources; it enhances investments in power development and trade and water resources management and development. NELSAP countries include: Burundi, DR Congo, Egypt, Ethiopia, Kenya, Rwanda, Republic of South Sudan, Sudan, Tanzania, and Uganda. NELSAP has demonstrated effectiveness in the coordination of multi-country preparation of complex regional projects.

The NELSAP mission is to *“contribute to the eradication of poverty, promotion of economic growth, and reversal of environmental degradation”* in the Nile Equatorial Lakes Region. The role and mandate of NELSAP is to *‘facilitate, support and strengthen the identification, preparation and implementation supervision processes for NELSAP projects for the benefit of all riparian countries’* (NELSAP Policy Guidelines, Annex 2).



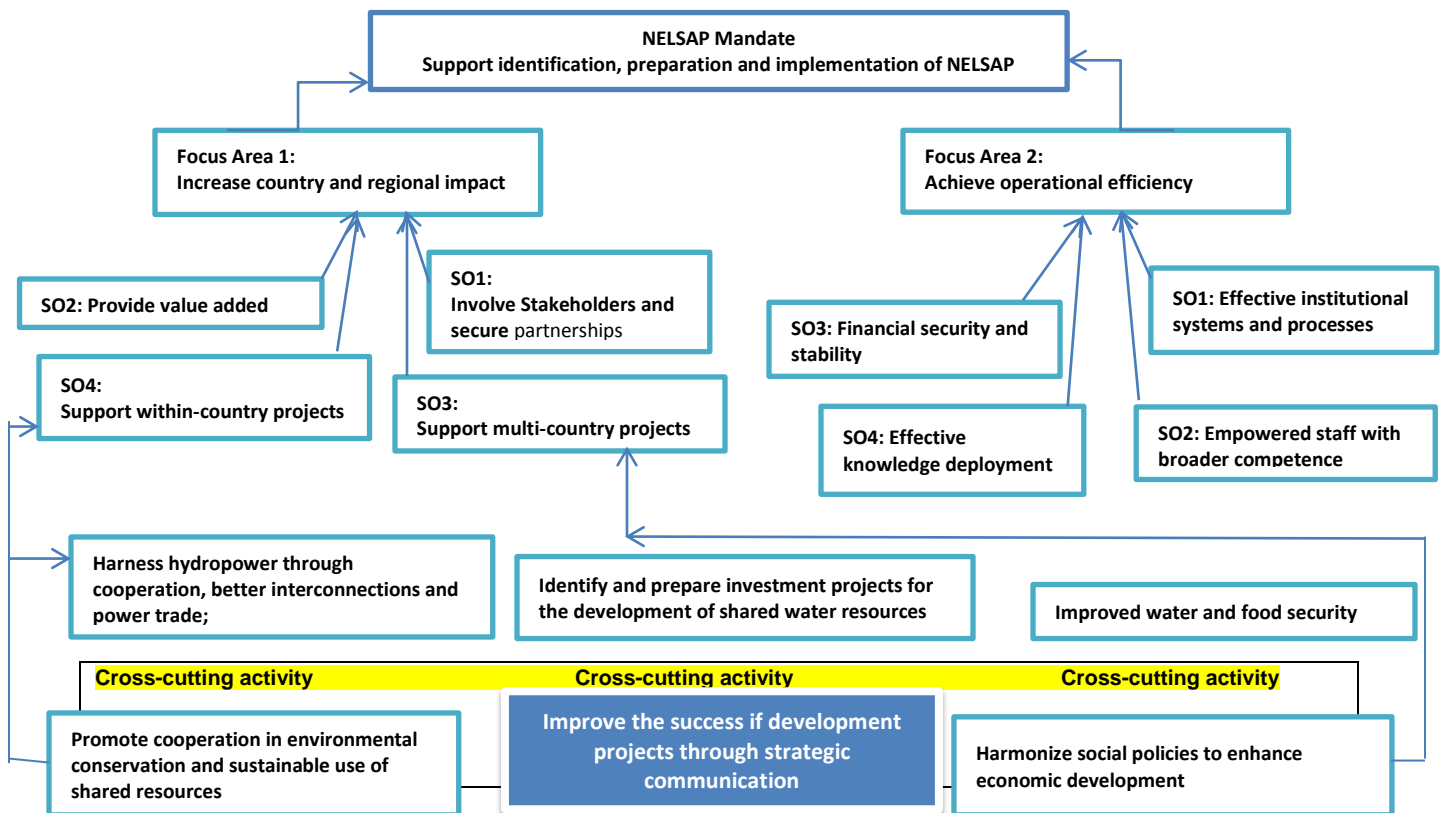
## NELSAP Strategic Plan 2012-2016

The NELSAP Strategy Plan 2012-2016 responds to its mandate and also is cognizant to the NBI Water Resources Development Program: Facilitating Cooperation and Water Resources Management Programs. It comprises two respective focus areas: (i) to increase country and regional impact and (ii) to achieve operational efficiency and each focus area advances four strategic objectives to operationalize the respective strategic objectives and direct implementation activities.

### NELSAP Programmatic Goals

*Programmatic goals* that serve to increase country and regional impact directly are:

- *Programmatic goal 1:* to harness hydropower through cooperation
- *Programmatic goal 2:* to facilitate better interconnections and increase power trade
- *Programmatic goal 3:* to identify and prepare investments projects for the development of shared water resources
- *Programmatic goal 4:* To achieve improved water and food security





# NELSAP SUB-PROGRAMS AND PROJECTS

NELSAP facilitates identification, preparation and implementation supervision and facilitation of resource mobilization for investment projects in two sub-programs with each sub-program comprising a number of projects. Identification and preparation of new projects is an ongoing process.

The two sub-programs are:

- i) Water Resources Management and Development Sub-program
- ii) Power Development and Trade Sub-program

## The Water Resources Management and Development sub-program

### Ongoing Projects

- Sio-Malaba-Malakisi River Basin Management Project (Kenya/Uganda);
- Mara River Basin Management Project (Kenya/Tanzania);
- Kagera River Basin Management Project (Uganda, Rwanda, Burundi, Tanzania);
- Lake Edward and Albert Integrated Fisheries and Water Resources Management Project (DRC/Uganda);
- Nyimur Multipurpose Water Project (South-Sudan and Uganda);

### Completed Projects

- Bugesera Watershed Management Project (Rwanda/Burundi);
- Regional Agricultural Trade and Productivity Project;
- NEL Climate Adaptation Mainstreaming Project;
- NEL Water Resources Development Project.

## The Power Trade and Development sub-program

### Ongoing Projects

- Regional Rusumo Falls Hydro-Electric Project (RRFP);
- The Interconnection of Electric Grids of the NEL Countries Project (5 NEL Countries);
- Tanzania-Zambia Power Interconnection Study;

### Completed Projects

- Kenya–Tanzania Interconnection Project;
- Iringa–Mbeya Power Transmission line Project;
- Uganda–DR Congo Power transmission Line Project



## STATUS OF NELSAP INVESTMENT PROJECTS

Project Name	Description
1. <b>NCORE Project includes RBM Projects of Mara, SMM and Kagera</b>	<b>NELSAP implements Component 2:</b> Promotion of Sustainable Development and Planning in the NEL Region: It has 2 sub-components: <b><i>Sub-component 2.a:</i></b> Strategic opportunities to advance cooperative water resource management and development identified and promoted. <b><i>Sub-component 2.b:</i></b> Transformative investment projects of regional significance
2. <b>NEL Interconnection Project</b> <ul style="list-style-type: none"> <li>• Uganda-Kenya Interconnection</li> <li>• Uganda-Rwanda Interconnection</li> <li>• Burundi-Rwanda Interconnection</li> <li>• Burundi-DRC-Rwanda</li> </ul>	-Kenya-Uganda Interconnection: 150-300MW - capacity, 255 km -Uganda-Rwanda Interconnection: 150-250MW - capacity, 172 km -Burundi-Rwanda Interconnection: 143 km -Burundi-DRC-Rwanda Interconnection: 545 km
3. <b>Regional Rusumo Falls Hydro-electric and Multipurpose Project</b> (Tanzania, Rwanda, Burundi)	- Run-of-river hydropower facility with envisaged installed capacity of 80 MW; and -Transmission lines connecting the hydroelectric power plant of Rusumo Falls to the national grids of Rwanda and Burundi, and supply electricity to the western provinces of Tanzania.
4. <b>Nyimur WRs Development Project</b>	The project's specific objectives are to: <ul style="list-style-type: none"> <li>• Complete the technical, economic, financial and institutional feasibility studies of the project so as to ensure its viability;</li> <li>• Complete the ESIA and RAP studies, which inform the final detailed designs of the project</li> </ul>
5. <b>Lakes Edward and Albert Fisheries Project</b> (Uganda-DRC)	<b>Components:</b> <ol style="list-style-type: none"> <li>1) Fisheries Resources Development and Management;</li> <li>2) Integrated Water Resources Management and</li> <li>3) <del>Project Management and Coordination</del></li> </ol>
6. <b>Strengthening institutional framework and capacity for river basin investment planning</b>	<ol style="list-style-type: none"> <li>1) Strengthening Strategic Planning and Organizational Development</li> <li>2) Strengthening the NELSAP Knowledge Systems</li> <li>3) Strengthening Investment Finance Mobilization and</li> <li>4) Strengthening Regulation of Dam Safety.</li> <li>5) Enhancing capacity of the NELSAP in water resources data base/GIS systems</li> <li>6) <del>Development of Resource Mobilization (RM) guidelines</del></li> </ol>
7. <b>Bugesera Integrated Water and Irrigation Project (Rwanda-Burundi)</b>	An Integrated Management and Development Plan which includes: <ul style="list-style-type: none"> <li>• Agricultural Development -- irrigation of 4,200 ha of land; distribution of dairy cows</li> <li>• Catchment management -restoration of 765 ha or banks and lake shores, and 5.5 million agro forestry and fruit trees.</li> <li>• Fisheries resources development and management, including 4 community based</li> </ul>
8. <b>Regional Agricultural Trade and Productivity Project</b>	<b>3 components:</b> <ol style="list-style-type: none"> <li>1) Development of a Regional Food Security Strategy,</li> <li>2) Irrigation &amp; Watershed Management,</li> <li>3) Project Management &amp; Coordination</li> </ol>



Project Name	Description
9. Kenya-Tanzania Transmission Line	The project will improve access to electricity in NBI countries through increased cross-border sharing of power. The interconnection will be linked to the future backbone between Kenya, Uganda, Rwanda, Burundi and Eastern DRC. The transmission line between Kenya-Tanzania is 220 kV of 256.9 km
10. Iringa-Mbeya Power Transmission	292 km 400 kV Iringa-Mbeya transmission line
11. Uganda –DRC (Nkenda) – Beni – Butembo – Bunia) Power Transmission Line	The proposed project will allow supplying Northern East of DRC and particularly the towns of Beni, Bunia and Butembo with electricity from Uganda through high voltage; 396 km.
12. Tanzania-Zambia Power Transmission Line	The interconnector will link the EAPP and the SAPP. It will be extended up to Kabwe (Total length of 1000 km).
13. Ruvyironza Reservoir	Storage 266 - 373 MCM, height 57-59m, hydropower generation potential of 22 MW.
14. Kabuyanda Irrigation and Watershed Project	Storage 10MCM, height 20m, catchment area109Km3. 0.1MW
15. Lake Victoria Basin in Tanzania: Ngonu & Mara Valley Projects	<ul style="list-style-type: none"> <li>• Preliminary designs successfully completed,</li> <li>• Preliminary ESIA successfully completed for the 2 schemes and preliminary costing and economic analysis completed.</li> <li>• Ngonu 11,681Ha, Storage 760 MCM, 2.5MW</li> <li>• Mara Valley 8,340Ha</li> </ul>
16. Sio Sango Irrigation Development and Watershed Management Projects (Kenya)	Irrigation Development and Watershed Management Project.
17. Mara Sub-Basin Small Multipurpose storage reservoirs of Borenga and Norera (Tanzania, Kenya)	Small/medium multipurpose storage reservoirs of Borenga (Tanzania) and Norera (Kenya)



## NELSAP PIPELINE PROJECTS REQUIRING PRE-INVESTMENT FINANCING

Strategic Area	High-level Results and Key Activities	Pre-investment, US\$ mln	Investment US\$ mln
<b>Agricultural Development and Trade</b>	1. Nyimur Multipurpose Water Resources Development Project (6000ha)		110.0
	2. Ruvyironza Multipurpose Water Resources development project (14,000 ha, 22MW)		273.0
	3. Kabuyanda Multipurpose Water Resources development project (5000 ha)		55.0
	4. Ngono Multipurpose Water Resources Development project (13,000 ha)		159.0
	5. Mara Valley Water Resources Development Program (9000 ha)		115.0
	6. Sio-Sango and Nyabanja Water Resources Projects (5000 ha)		87.0
	7. Kitoba-Lubango Water Resources Projects focal area (5664 ha)	3.0	
	8. Rwimi Water Resources Projects (4000 ha)	3.0	
<b>Integrated Watershed Management</b>	1. Preparation of Investment program for sustainable management and utilization of the Sudd at a transboundary level, South Sudan	3.0	
	2. Preparation and piloting of integrated wetlands management program for selected wetlands	6.0	
	3. Implementation of Integrated Forest Management Program for the Mau Forest		67.09
	4. Establish Integrated Flood Management program for the Nyando river system	3.0	
	5. Implementation of integrated watershed and wetlands program in the SMM river system		40.0
	6. Kagera Basin Wide Integrated Watershed Program		180
	7. Building capacity in preparation of agro-ecosystem based watershed programs	1.0	
	8. Implementation of Mara Integrated Watershed Management Program		40.0
<b>Water Supply and</b>	1. Preparation of a regional Lakes Water Quality management program on the Lakes Edward	3.0	
<b>Hydropower generation and power transmission lines</b>	1. Semuliki Hydropower Project (72 MW) ( Uganda- DRC)	6.0	
	2. Mugomba Hydropower Project in DRC, ( 100MW)	6.0	
	3. Akanyaru riverhydropower ( Rwanda and Burundi) ( 22MW)	3.0	
	4. Project structuring and financial modelling of Hydropower generation projects in South Sudan (Fula, Shukoli, Bedden and Lakki)	8.0	
	5. Uganda (Karuma)-South Sudan (Juba) Power Transmission interconnection, 400KV of 320	3.0	
	6. Kenya (Kisumu) – Tanzania (Mwanza) Power transmission Interconnection, 220KV of 330	3.0	
	7. Burundi (Jiji - Mulembwe) – Tanzania (Kigoma) Power Transmission Line, 220KV of 180km	2.0	
	8. Kenya-Tanzania transmission, is 220 kV of 257 km		262
	9. Uganda-DRC (Nkenda - Beni - Butembo - Bunia) transmission line, 220KV of 396 km		165
	10. Uganda – Tanzania ( Masaka- Mwanza) Interconnection		xxx
<b>Inland waterway transport</b>	1. Inland water way transport sector investment program on Bahr el- Jebel, White Nile, Sobat River up to Gambela (Sudan, South Sudan, and Ethiopia and South Sudan)	6.0	
<b>Inland Fisheries management &amp; development program</b>	1. Preparation of a regional Fisheries program in the Sudd region, Sudan and South Sudan	5.0	12.0
<b>Multi sector investment Planning framework</b>	1. Establish a functional hydro-meteorological system at sub basin levels associated with project development while strengthening regional capacities	2.0	
	2. Update the Multi Sector Investment Plan to include opportunities in the	1.0	
	3. White Nile Sub basin, Sudan and South Sudan.		
	4. Support to the NEL- Multi Sector Water Resources planning framework	1.0	
<b>TOTAL</b>		<b>68.0</b>	<b>1,493</b>