



Mobilizing investment to support SDGs in the NEL Region: Key achievements and lessons

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The Nile Basin Initiative (NBI)



Shared Vision Objective:

‘To achieve sustainable socio-economic development through the equitable utilization of, and benefit from, the common Nile Basin water resources’

Core functions:

- Facilitating basin cooperation
- Water resources management
- Water resources development

Offices:

- Nile-SEC: Entebbe, Uganda
- ENTRO: Addis Ababa, Ethiopia
- NELSAP-CU: Kigali, Rwanda

Website: <https://www.nilebasin.org/>

NBI strategy 2017-2027 – Key areas



Water security

Goal 1: Water Security: Water Security – Meeting Rising Water Demand



Energy security

Goal 2: Energy Security-Unlocking And Optimising Hydropower Potential



Food security

Goal 3: Food Security - Increasing Agricultural Productivity



Environment sustainability

Goal 4: Environmental Sustainability- Protecting And Restoring Degraded Ecosystems



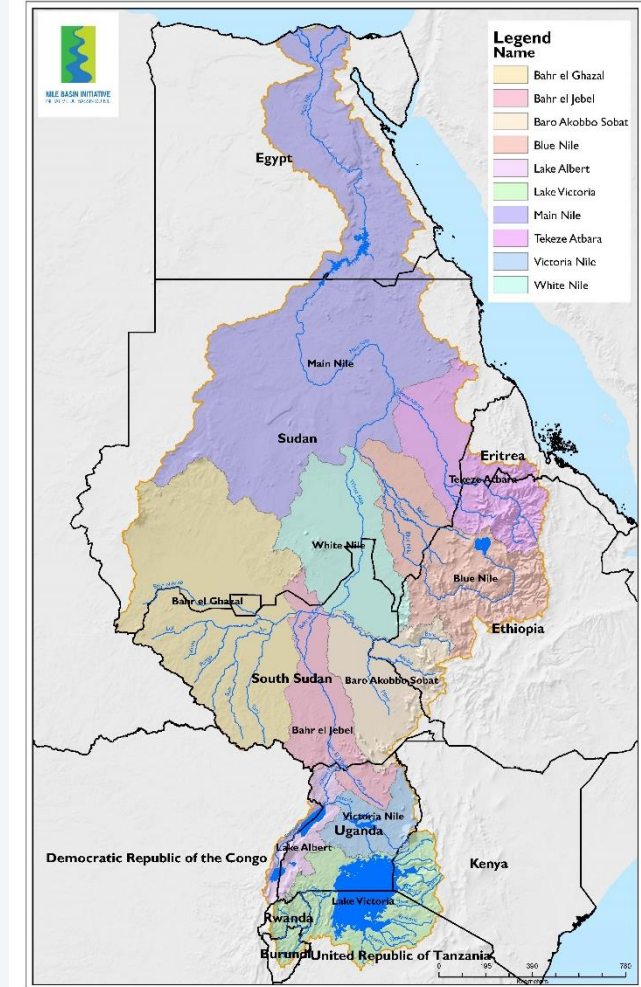
Climate change adaptation

Goal 5: Climate Change Adaptation – Preparing For Climate Change Impacts



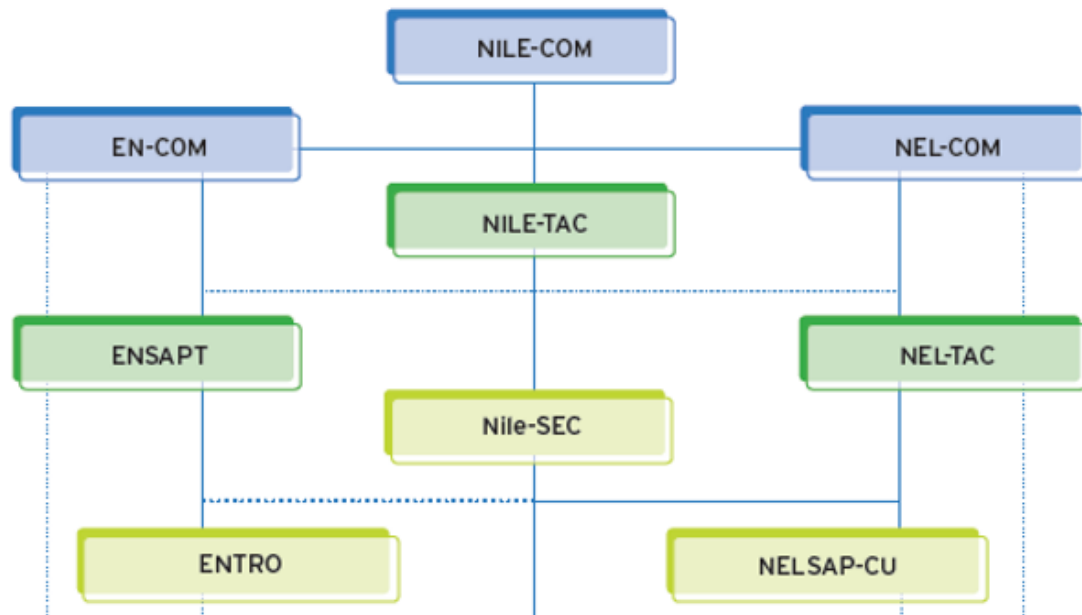
Transboundary water governance

Goal 6: Strengthen Transboundary Water Governance

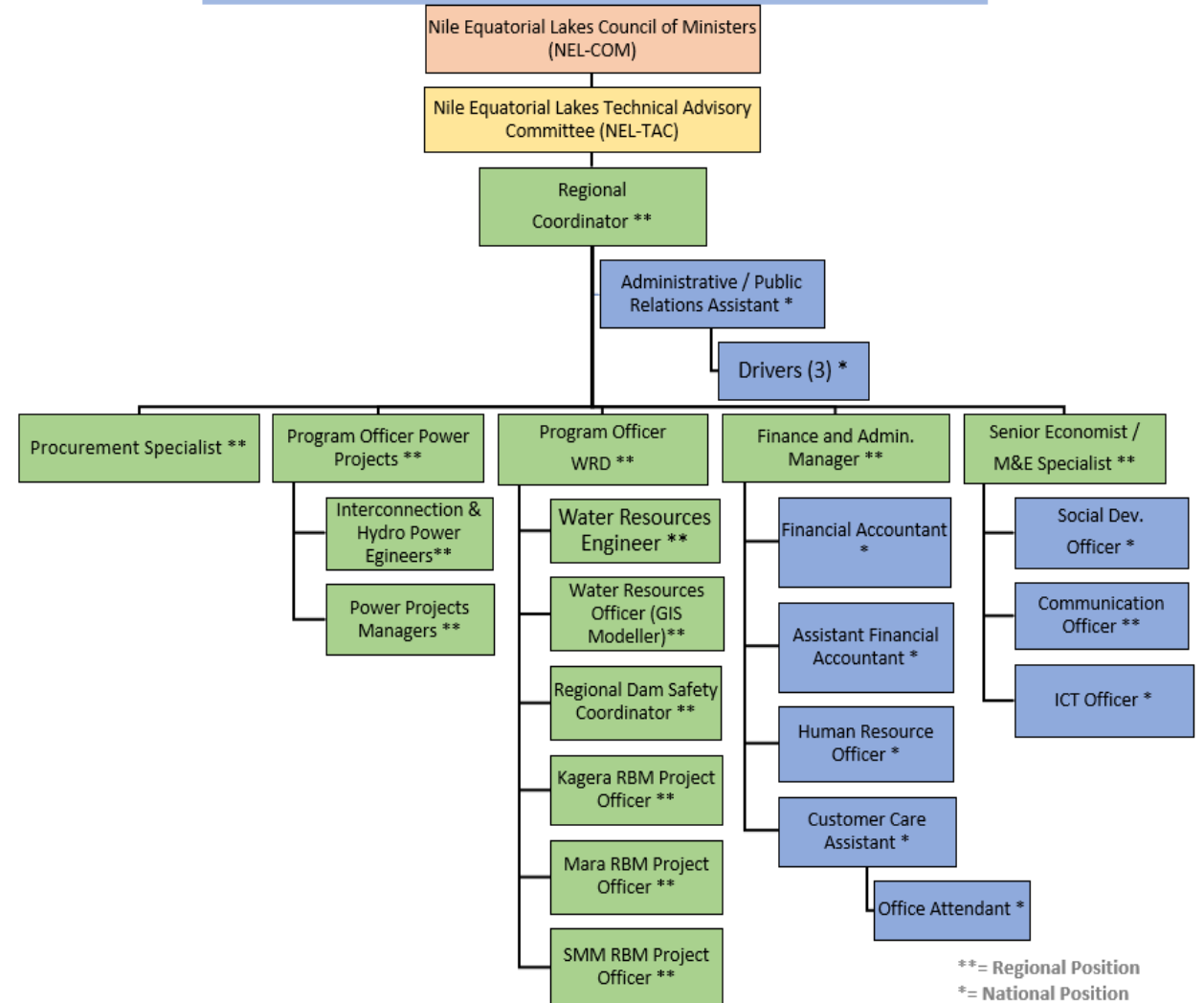


Introduction to NELSAP-CU

NELSAP-CU is governed and reports to the Council of Water Ministers from 10 Nile Basin membership states of Burundi, DR Congo, Egypt, Ethiopia, Kenya, Rwanda, South Sudan, Sudan, Tanzania and Uganda.

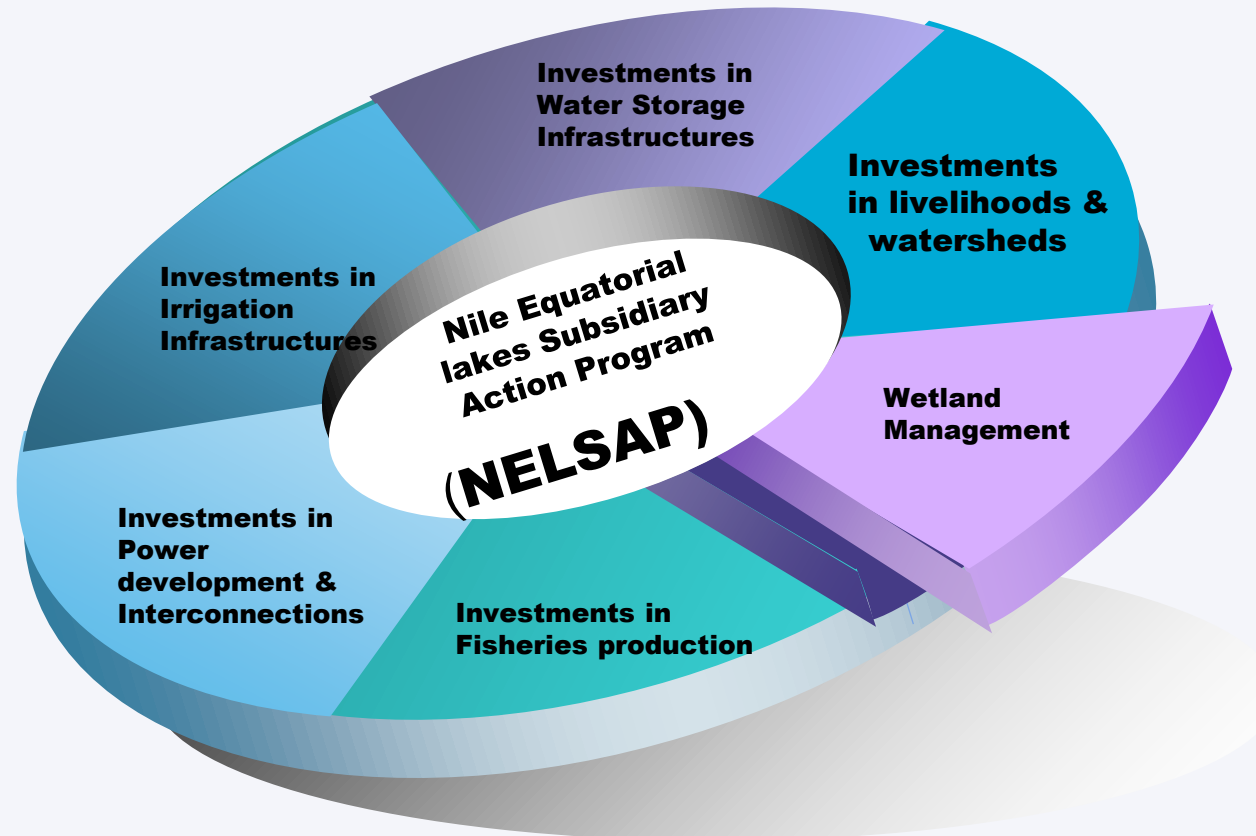


NELSAP ORGANIZATIONAL CHART



NELSAP-CU Mandate contributes to:

....**mandate** “to facilitate jointly agreed transformative in-country projects with regional impact/significance and trans-boundary cooperative investment projects related to the common use of the Nile Basin water resources”.



NELSAP is all inclusive: Provide Grey + Green Infrastructure for the NEL and directly contributes to several UN SDGs



NELSAP's Alignment to UN SDGs and EAC Vision



- NELSAP Projects and activities aligns to **SDG's** shown in the picture.



- NELSAP's work also aligns to the **EAC Vision 2050** which seeks to “widen and deepen economic, political, social and cultural integration in order to improve the quality of life of its people”.



NELSAP-CU Key Achievements:

- Since its establishment in 1999, NELSAP has contributed to the Shared Vision of NBI, the NBI 6 Strategic Goals and the UN SDGs.
- NELSAP-CU has gained regional experience, strengthened its capacity and emerged as a reliable regional institution for facilitating key in-country and regional investment projects in the Nile Equatorial Lakes Region and beyond. Its key institutional strength lies in project pre-investment feasibility studies, regional projects coordination support, regional strategic analysis & Integrated planning, environmental & social safeguards integration, social economic development, stakeholders' engagement, development communication & program visibility, financial and procurement management as well as results based monitoring and evaluation.
- NELSAP identified and prepared investment projects in the Nile Basin Region with a budget exceeding 6 Billion USD. NELIP alone is 3.6 Billion USD.



NELSAP-CU Flagship Projects

Regional Rusumo Falls Hydroelectric Project (RRFHP) (99.8% Completed)

- Funded by the **World Bank (347.5M USD)** and **AfDB (120M USD)**

Switch-yard



Intake gates



Power house



Multinational Lakes Edwards and Albert Integrated Water Resources & Fisheries Project (LEAF II) (100% Completed)

- Funded by AfDB through a Grant US\$8.78m to DRC, Loan of US\$7.32m to Uganda & Grant of US\$ 8.1m from GEF through AfDB to NELSAP-CU, (1 July 2016 – 31 March 2022) for implementation of the LEAF II

Project



Patrol Boat



Fish Processing Unit



Portable WQ Lab



Livelihood Projects



NELIP Priority Projects

□ NEL-IP is a Multi-sector investment program, brought together all NEL member countries around a common regional goal, securing the Water/Energy/Food Nexus of the NEL Region and leading to tangible outputs for the direct benefit of the people, targeting Sectoral Ministries of:

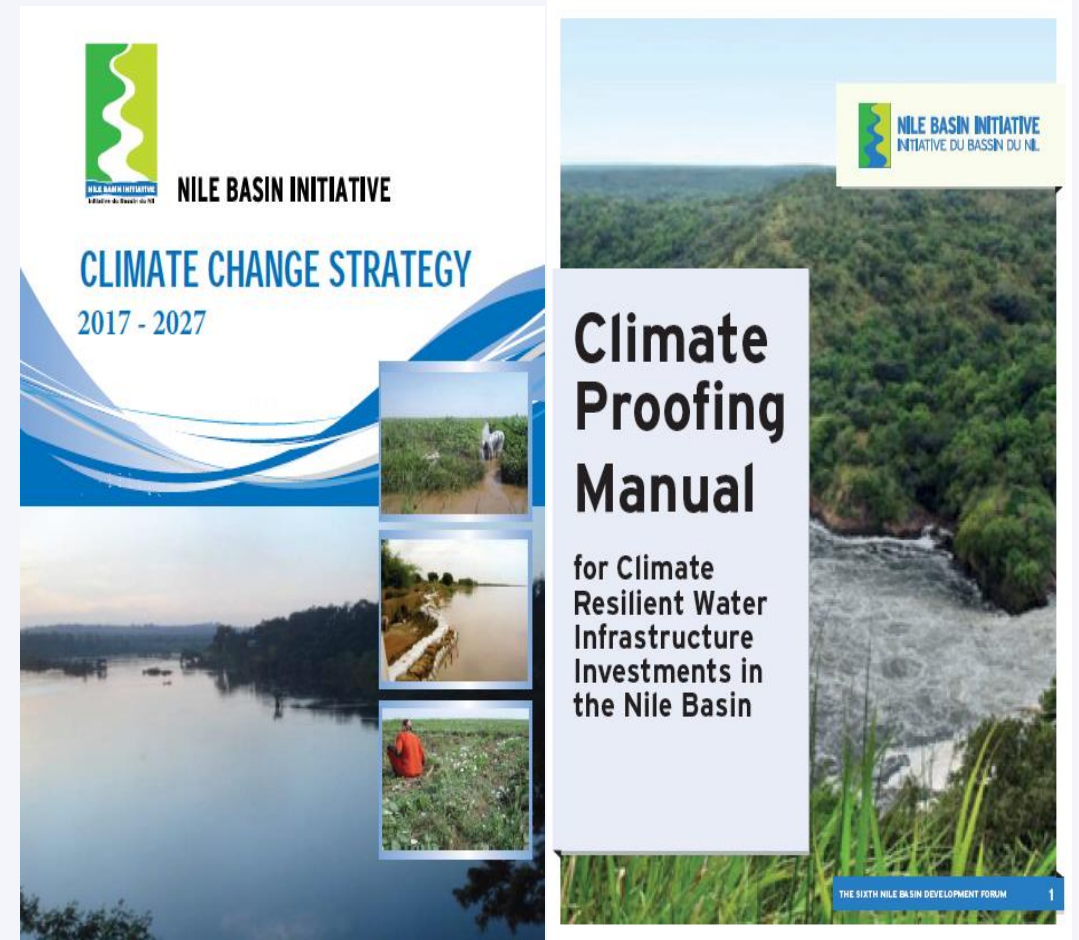
- ✓ Finance & Planning
- ✓ Water
- ✓ Irrigation
- ✓ Energy
- ✓ Fisheries

| # | Project Title | Country | Sector |
|----|--|-------------------------------------|-----------|
| 1 | Ethiopia (GERD) – Sudan (Khartoum) TL Project | Ethiopia/Sudan | TL |
| 2 | Akanyaru MPP WRD Project | Burundi/Rwanda | MPP |
| 3 | Dedesa-Tepi-Juba, 700km (phase 2) | Ethiopia/South Sudan | TL |
| 4 | Gogo Falls MPP WRD Project | Kenya | MPP |
| 5 | Integrated Fisheries & WRM: Jebel Aulia Dam & Renk - Malakal | South Sudan/Sudan | Fisheries |
| 6 | GIRET | Burundi/Rwanda | WM |
| 7 | Kenya (Kisumu) - Tanzania (Mwanza) TL | Kenya/Tanzania | TL |
| 8 | Kitoba-Lubango WRD Project | DR Congo | Irr |
| 9 | Mara valley Irrigation & WM Project | Tanzania | MPP |
| 10 | Ngono MPP WRD Project | Tanzania | MPP |
| 11 | Parajok MPP WRD project | South Sudan | MPP |
| 12 | Kagera Basin-wide Integrated Watershed Program | Burundi/Rwanda/ Tanzania/ Uganda | WM |
| 13 | Semliki HP Project 72MW | DR Congo/Uganda | HP |
| 14 | Shared Angololo MPP WRD Project | Kenya/Uganda | MPP |
| 15 | Transboundary Watershed/Wetland Management Project | Ethiopia/Sudan | WM |
| 16 | Uganda (Nkenda)-D.R. Congo (Beni-Butembo-Bunia) | DR Congo/Uganda | TL |
| 17 | Nyimur/Limur MPP WRD Project | South Sudan/Uganda | MPP |



Climate Proofing of NELIP MPP Projects

- NBI with support from GIZ is developing a Climate Proofing Manual.
- The manual gives a guideline on climate risk assessment for Water infrastructure in the Nile Basin.
- The contribution of ecosystem-based approaches (EbA) / Nature-based solutions (NBS) to climate proofing in the grey-green continuum will also be applied during the assessment.
- NELIP consists of 17 priority projects (out of 128) covering the Water Energy Food Nexus.
- All these projects (specifically the 7 MPPs) need to and will be climate proofed by using the newly established NBI Climate Proofing



On-going Water Resources Projects

1. The Nile Cooperation for Climate Resilient (NCCR) Project (Component 2: Improving Mechanisms for Cooperation in the Nile Equatorial Lakes Region), Funded by the World Bank through the Cooperation in International Waters in Africa (CIWA) Trust Fund to a tune of US\$9.5m, (April 2021 – April 2026).

The **Project Development Objective** is to improve mechanisms for cooperation on water resources management and development in the Nile Basin.

The NCCR contributes to ALL (6) NBI Strategic Goals.

| No. of Thematic Area | Name of Thematic Area | Component 1 NBI- SEC | Component 2 NELSAP | Component 3 ENTRO | Component 4 LVBC | Component 5 NBD |
|----------------------|---|-------------------------|-----------------------|----------------------|---------------------|--------------------|
| 1 | Platform for cooperation | ✓ | ✓ | ✓ | ✓ | ✓ |
| 2 | Flood and drought risk mitigation | | ✓ | ✓ | | ✓ |
| 3 | Dam safety capacity building | | ✓ | ✓ | | |
| 4 | Innovative information services for climate-resilient investment planning | ✓ | | | | |
| 5 | Water quality investment planning and prioritization | ✓ | ✓ | ✓ | ✓ | |

NBI strategy 2017-2027 – Key areas



Goal 1: Water Security: Water Security – Meeting Rising Water Demand



Goal 2: Energy Security- Unlocking And Optimising Hydropower Potential



Goal 3: Food Security - Increasing Agricultural Productivity



Goal 4: Environmental Sustainability- Protecting And Restoring Degraded Ecosystems



Goal 5: Climate Change Adaptation – Preparing For Climate Change Impacts



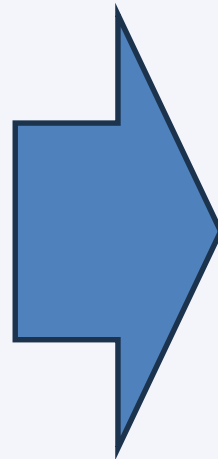
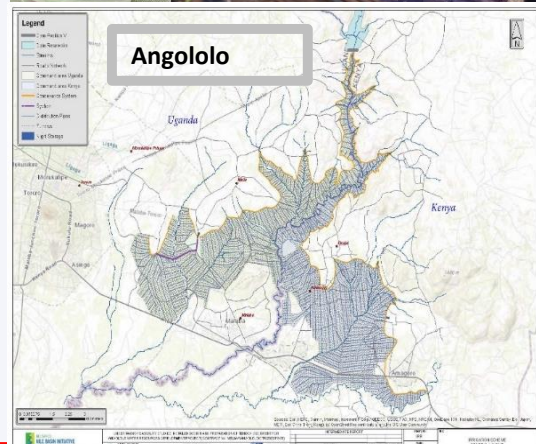
Goal 6: Strengthen Transboundary Water Governance



On-going Water Resources Projects

2. EU Hydroment Project for the Nile equatorial Lakes countries (USD \$4.0 Million) from GIZ – EU/BMZ; and
3. Angololo (Kenya-Uganda) Multipurpose Water Resources Project Studies: Funded by the African Development Bank through the NEPAD-IPPF to a tune of USD \$1.83 m.

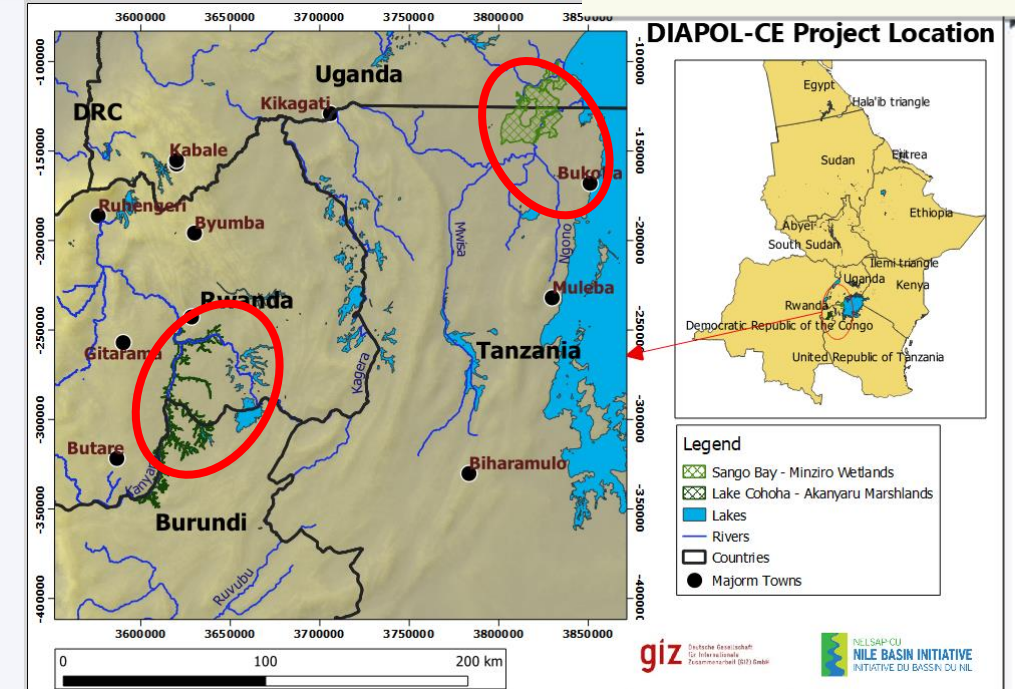
ANGOLOLO WATER RESOURCES DEVELOPMENT PROJECT



On-going Water Resources Projects

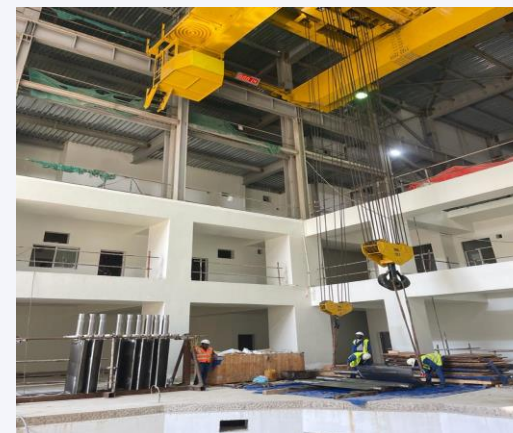
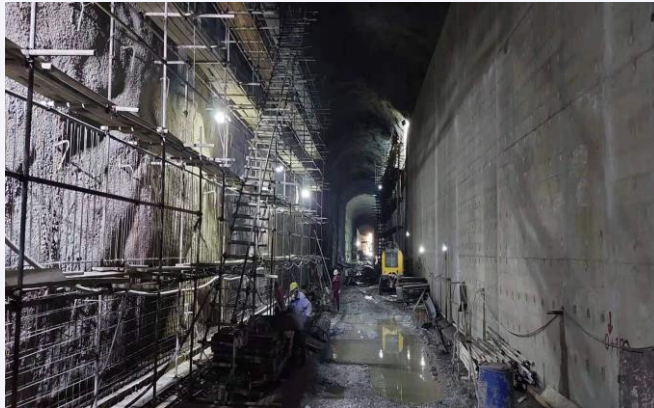
4. DIAPOL-CE:

- **DIAPOL – CE:** Policy Dialogue & Knowledge Management on Climate Protection Strategies) is financed by GIZ and BMUV
- **Objective:** to Enhance Scientific Knowledge & Understanding of Socio-economic Potential of 2 Transboundary Peatlands to Leverage Climate Financing for Economic Development & Green Growth
- The selected are 1) Cyohoha-Rweru-Akanyaru Marshlands (Burundi & Rwanda) & 2) the Sango Bay-Minziru (Tanzania & Uganda)
- Started in June 15, 2023 – December 31, 2024 (18 month); Euro 124,120



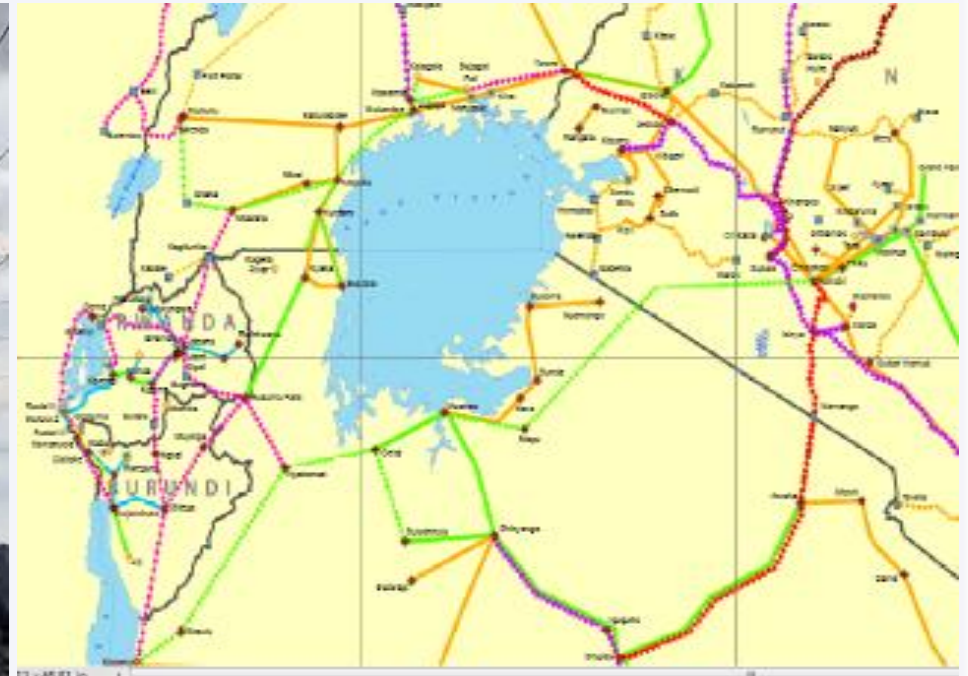
On-going Power and Trade Projects

i) Regional Rusumo Falls Hydroelectric Project:



On-going Power and Trade Projects

- ii) Uganda (Olwiyo) - South Sudan (Juba) 400KV Power Interconnection Project financed by AFDB; and
- iii) Uganda (Nkenda) - DRC (Beni - Butembo - Bunia) 220KV Power Interconnection Project financed by AFDB



NELSAP Projects under Resource Mobilization



| S/N | Development Partner | Project Name | Expected Fund (US\$) |
|-----------------------------|------------------------|--|----------------------|
| 1 | AfDB under PIDA-PAP II | Implementation of the Angololo Multipurpose Water Resources Development Project (Kenya & Uganda) | 118,000,000 |
| 2 | AfDB under GEF & ADF | LEAF III | 15,000,000 |
| 3 | AFD | DYNOBA Project | 220,000 |
| 4 | GIZ | Nimule-Juba Cascade Dams for South Sudan | 1,000,000 |
| 5 | DFCD, WB under CIWA | NEL-WIP (Implementation of some components of the CIPs) | 20,450,000 |
| 6 | UNDP under GEF | Kagera IWRM&D Program | 16,300,000 |
| 7 | AfDB under AWF | Pre-investment Studies for the Ruvyironza Water Resources Development Project (Burundi) | 2,300,000 |
| 8 | AfDB under AWF | Review of the Studies for the Nyimur/Limur Transboundary Multipurpose Water Resources Development Project (Uganda & South Sudan) | 2,000,000 |
| 9 | AfDB under AWF | Pre-investment Studies for the Akanyaru Transboundary Multipurpose Water Resources Development Project (Burundi & Rwanda) | 2,300,000 |
| 10 | AfDB under AWF | Pre-investment Studies for the Angololo Water Treatment Plant | 1,750,000 |
| 11 | AfDB under AWF | Climate Smart Irrigation in NEL Region | 5,700,000 |
| 12 | AfDB under AWF | Amala-Norera Water Resource Development Project | 2,450,000 |
| 13 | AfDB under NEPAD-IPPF | Pre-investment Studies for the Tanzania - Burundi Power Interconnection Project | 3,000,000 |
| 14 | AfDB under NEPAD-IPPF | Pre-investment Studies for the Ethiopia – South Sudan Power Interconnection Projects | 1,500,000 |
| 15 | Potential DPs | Construction of the Ethiopia – South Sudan Power Interconnection Projects | 65,000,000 |
| 16 | AfDB under NEPAD-IPPF | Pre-investment Studies for the Nsongezi Hydropower Project | 4,500,000 |
| 17 | AfDB | Construction of the Nsongezi Hydropower Project | 150,000,000 |
| 18 | Potential DPs | Pre-investment Studies for the Akanyaru 25MW Cascaded HP Project | 2,000,000 |
| 19 | AfDB & EU | Network Harmonization & Enhancement project for Regional Power Systems (NHEP-RPS) | 11,600,000 |
| 20 | Potential DPs | Regional Simulation Model – Tororo & Monde | 2,000,000 |
| Expected Fund (US\$) | | | 427,070,000 |



Key Challenges facing the NBI

- Water scarcity against high demand by Basin states.
- Lack of Permanent Nile Basin Institution (Commission) which should coordinate water resources planning and development.
- Poor management of Agriculture resulting in less efficient water use.
- Limited Water storage facilities
- Low electricity access and coverage in most of the Basin states.
- Unilateral development of Water Resources.



NELSAP Key Lessons

- Aligning investment projects with Country Strategic Papers is essential for prioritizing projects of the Nile Basin.
- Aligning investment projects with Development Partners Strategic Goals / Interests.
- Transboundary projects require strong cooperative legal instruments and constant consultations between partner states.
- Political goodwill is a key ingredient to the success of the cooperation
- Local Area Development Initiatives are essential for ownership by the local communities
- Environmental & Social Safeguards Issues can be a major deterrent to project progress
- Procurement and Contract Management must be carefully planned.



Thank You !

