

Management of Lake Victoria basin

Kenyan Perspectives

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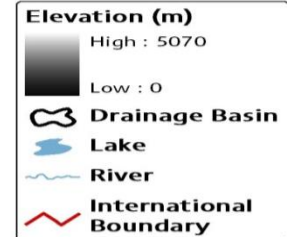
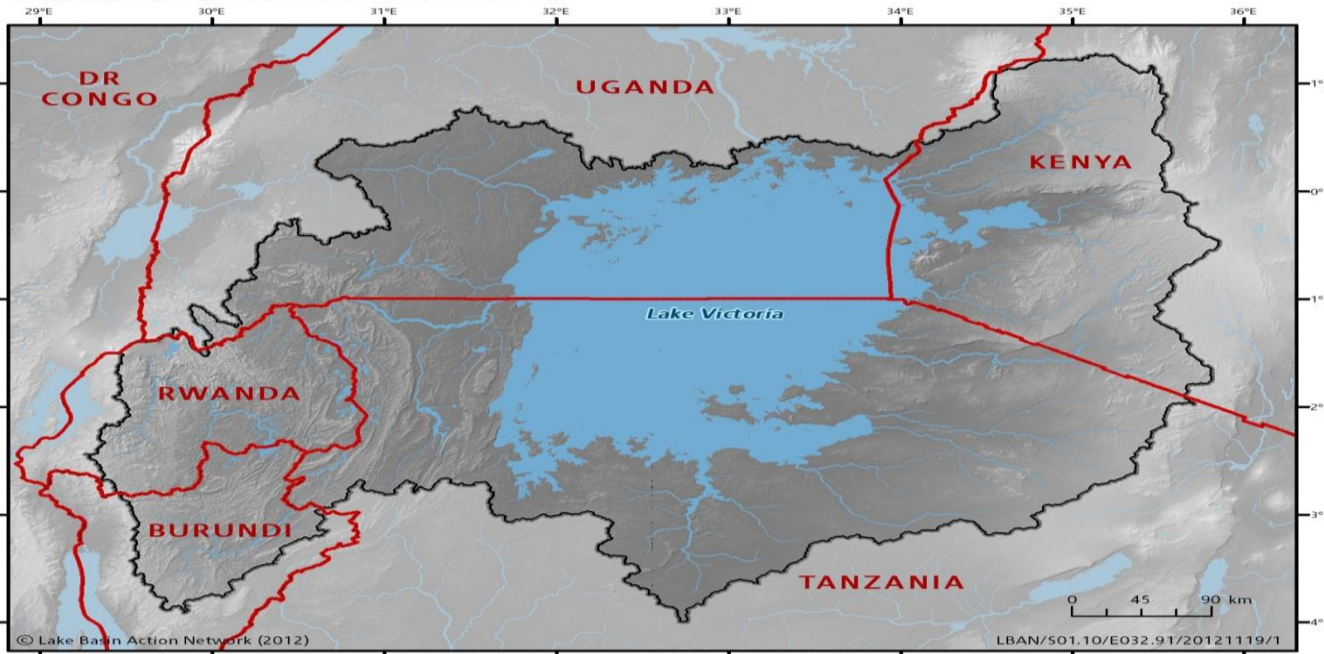


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DRAINAGE OF THE LAKE VICTORIA BASIN

Lake Victoria Basin Topography and Surface Water



Lake Area	66,867 km ²
Basin Area	263,568 km ²
Basin Population	4.404x10 ⁷ persons
Population Density	223.9 persons/km ²
Basin Countries (% area)	
Tanzania	(45.3%)
Uganda	(23.5%)
Kenya	(18.3%)
Rwanda	(7.9%)
Burundi	(5.0%)

There are several rivers from Tanzania, Kenya, Uganda, Burundi and Rwanda basins draining into Lake Victoria.

From the Kenyan catchment, the main rivers are Nzoia, Sio, Yala, Nyando, Kibos, Sondumiri, Kuja, Migori, Riaria and Mawa.

Rivers entering the lake from Kenya, which contains the smallest portion of the lake, contribute over 37.6% of its surface water inflows.

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Current Modes of Utilization of the Lake Victoria Resources

- Fishing, Poaching and sporting activities
- Biomass removals: Papyrus, forest, grazing, burning
- Irrigation and cultivated agriculture (commercial, subsistence and the uncontrolled use of agrochemicals in flower & rice farms tea estates etc)
- Domestic use: Hygiene and sanitation issues
- Land quarrying: Brick making, pottery, sand harvesting, excavations for building stones
- Urbanization and infrastructural developments: paved landscapes & increased surface pollutant loading.
- Transport : OIL Spill incidences, car wash, garages
- Gold Mining and use of Mercury
- Oil & Gas prospecting and trial drilling





Quarrying activity



flooding



Fishing activity



Grazing activity



Discharge of raw sewage



Burned papyrus



IMPACT STORIES

1. NEMA efforts in rehabilitating river Kisat



Before cleaning



After clean-up



**30M width
conserved
riparian
corridor**

ONGOING INITIATIVES IN MANAGING THE LAKE BASIN

- Construction of ECO sanitation toilets models
- Securing and rehabilitating riparian corridors
- Routine solid waste mobbing and disposal from urban river basins
- Designation of urban dumpsites, regulating means of solid waste transport and zoning waste transfer stations
- Private public sector engagement in waste management
- Spatial planning, zoning and controlled physical development in urban areas
- Formation of County Environment Management Committees with legislative mandates
- Increased surveillance and enforcement of regulations and standards: eg EIAs, AUDITS, Water Quality, Incidences, Riparian setbacks, routine fish stock inventory and restricted fish removals etc
- Improved disaster prediction, response and preparedness

ONGOING INITIATIVES IN MANAGING THE LAKE BASIN cont.....

- Rehabilitation and expansion of sewer treatment facilities in the lake basin townships
- CDD projects, youth groups, BMUs, WRUAs and NGOs in environmental conservation and sustainable livelihood.
- Development of wetlands management plans as engagement tools
- Mechanized and biological water Hyacinth removal and utilization,
- Improvement of lake navigation and incident surveillance.
- Integration of BAPs and BATs including ECOLABELLING and TRACEBILITY
- Mapping and Auditing all effluent discharging entities in the region
- Continued awareness raising and outreach programmes

MANAGEMENT OF THE LAKE AND ITS BASIN

REGIONAL, Nile basin initiative, East African community,

Government levels, NEMA, WRMA, KMA, KWS, KFS

County governments: Devolved Mandates

Non public organizations, VIRED, OSIENALA

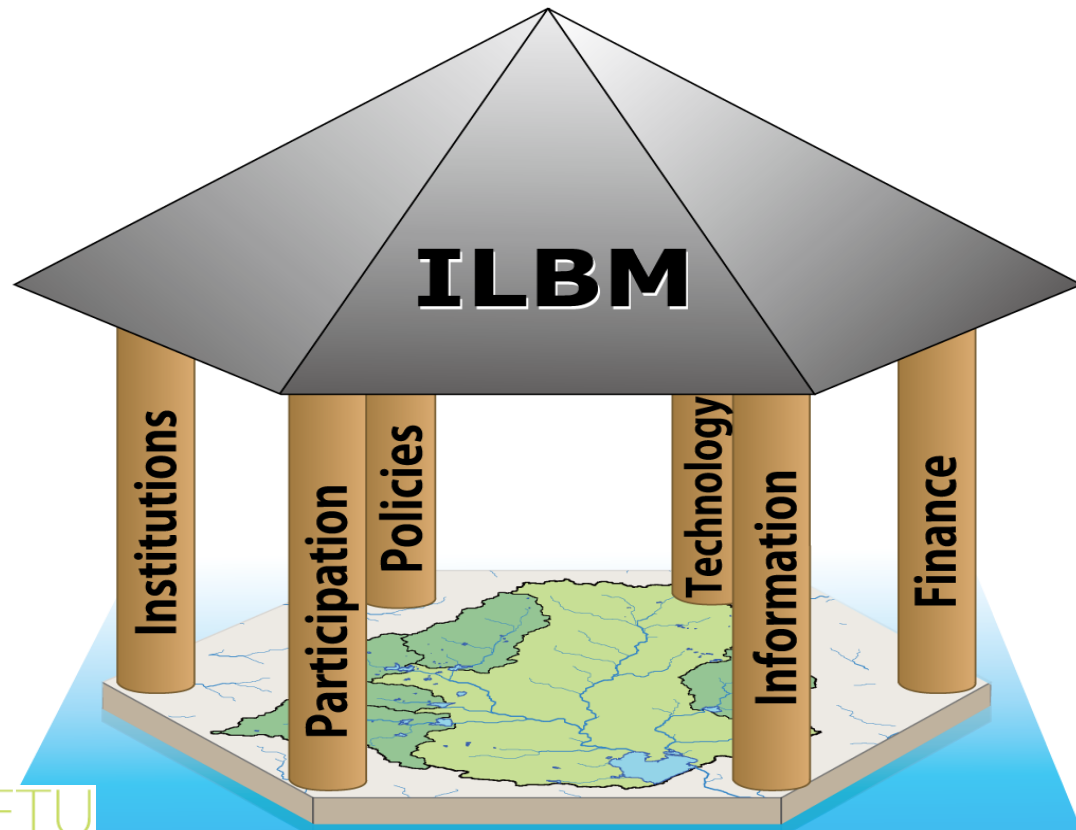
Development partners, SIDA, JICA, Worldbank, DANIDA, GIZ

Government Priority Focus in Managing Lake Victoria

- Improving Governance, Representation and Participation for sustainability
- Enhancing natural asset base for resilience and integrity
- Improving quality of growth through improving environmental consciousness, clean production systems, integrated spatial planning and controlled development
- Reforming service delivery and procedures with focus on robust monitoring, use of water demand management tools (Technical, Economic, Regulatory, etc) and incidence management

INTEGRATED LAKE BASIN MANAGEMENT AND LAKE VICTORIA BASIN

Challenges of Sustaining Lake Victoria Management Efforts



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Way Forward

- Regional Collaboration & Harmonization of Strategies
- INCREASED FUNCTIONAL COORDINATION OF SECTORS at all levels
- PUBLIC REPRESENTATION, PARTICIPATION AND AWARENESS (lobbying & Advocacy)
- WATER QUALITY SUSTAINANCE: capacity challenges
- KNOWLEDGE AND INFORMATION : Capacity needs
- RESOURCES UTILIZATION and repleishment
- SURVEILLANCE AND ENFORCEMENT
- INCIDENCE AND RISK MANAGEMENT

ENJAACHA-Priceless Village Joy in the Wetland of the Lake



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