





7th WIOSAP PROJECT STEERING COMMITTEE DARES SALAAM, TANZANIA
29TH JANUARY 2025

Name of IP: Sokoine University of Agriculture (SUA) & National Environment Management Council (NEMC)





Why the Project

Objective:

Overall Objective

• To reduce impacts/stress from land-based sources and activities and sustainably manage critical coastal-riverine ecosystems through Environmental Flow Assessment and implementation with the support of partnerships at national and regional levels.



Specific Objectives

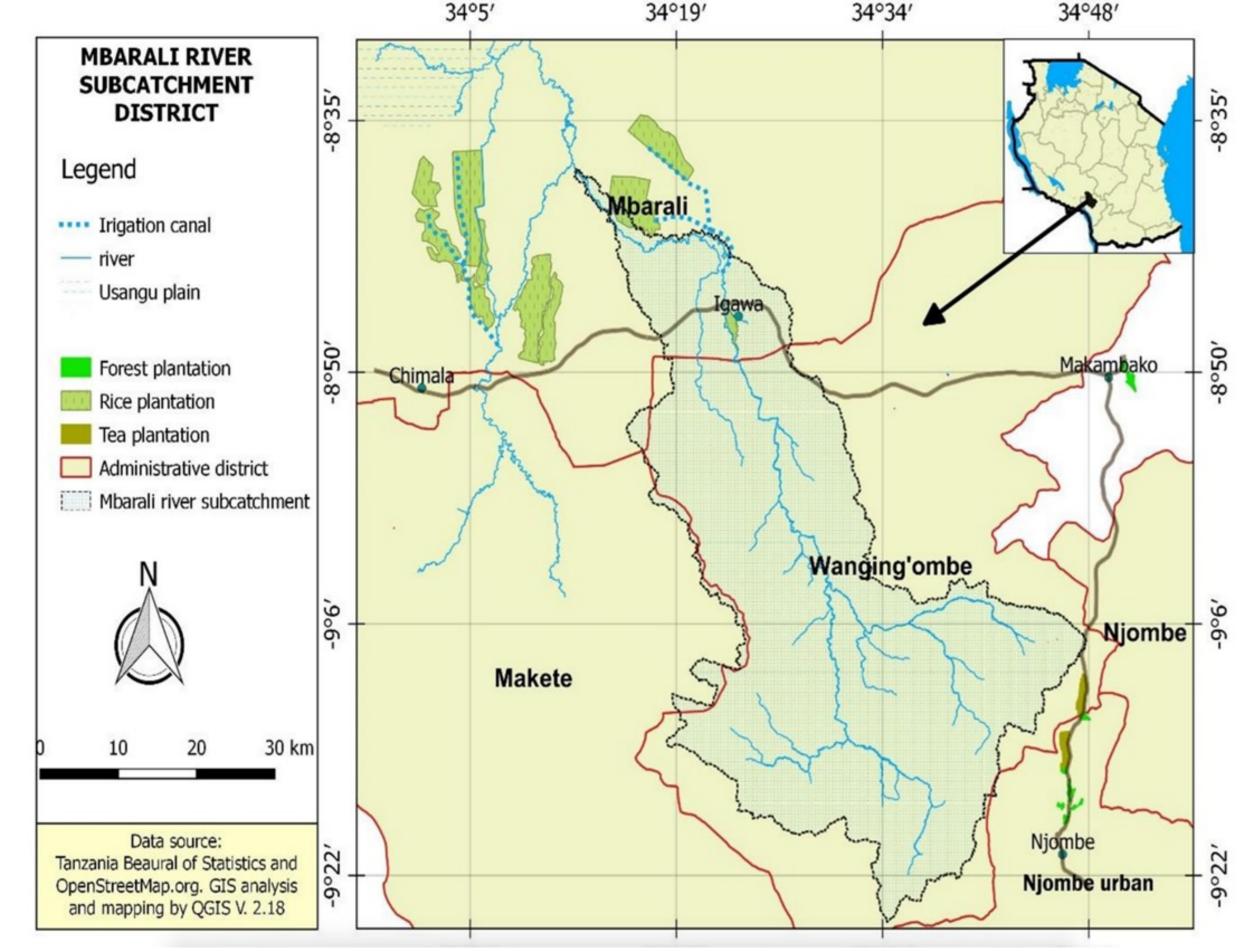
- To enhance capacity for Environmental Flow Assessment and restoration for sustainable water flows.
- To conduct Environmental Flow Assessments in pilot river catchments to guide sustainable management of water flows.



 Implementation of recommended flows for sustainable water resources management.



Where:



Partners:

- VPO Coordination
- Ministry of Water, Rufiji Basin Water Board – provision of hydro-climatic data, monitoring and technical backstopping
- Ministry of Natural Resources and Tourism – TFS, TAFORI, etc.) – Technical backstopping
- Ministry of Agriculture conservation agriculture, CSA
- PO-RALG on ground implementation
- Communities (Villages, Schools, WUA) - On-ground project implementation



	Objectives	Achievements
	Capacity	Built capacity on EFLOWS to various stakeholder using several means.
	building of water	Created a project Blog https://eflows-tz.blogspot.com/ .
	and natural	Produced an EFlows documentary
	resources	https://www.sua.ac.tz/news/documentary-eflows-research-project-progress
	managers on	 Conducted several multi-stakeholder engagement meetings at different
	Environmental	levels
uo,,	Flows	 Presented the project results and engaged policy and decision makers
	Assessment	during the Maji (Water) Scientific Conference (4th - 5th April, 2022),
	(EFA)	(Topic: Exploring Nature based Solutions for Improved Environmental
		Flows in the Mbarali River Catchment, Tanzania)
		 Presented and engaged policy and decision makers, private sector during the 5th National Multi-sectoral Forum on Water Resources Management
		and Development, held at the BoT on 18th June 2022.
		■ Conducted a Regional Training on EFlows to WIO Countries
?		















Some of the stakeholders whom were consulted











MAJI SCIENTIFIC CONFERENCE

NMSF ON WRM&D

Regional Training

Objectives

Conducting EFA in pilot rivers and documenting the process (various reports, site selection, catchment, baseline description report, wet and dry season sampling report, experts starter reports, Environmental flows report and production of an environmental flows workshop report)

Achievements

- i. EFA in pilot rivers conducted, process documented and flow recommendations (various reports - site selection, catchment baseline description report, wet and dry season sampling report, experts' starter reports, EF report, Eflow recommendation workshop report produced).
- ii. Water abstraction point mapping and hot spot erosion mapping.







Objectives

iii) Evaluating and application of incentive-based decision support tools/ technologies to promote restoration activities and the implementation of the recommended environmental flows

Achievements

- Multi-stakeholder engagement for water sources mapping & characterization and co-identification of restoration options.
- ➤ Profiled and prioritized Nature based solution (NbS) enhance sustainable management and use of natural features and processes to tackle socioenvironmental challenges.
- Using local knowledge and contemporary vegetation ecology Established with WUAs - water friendly natural tree nurseries in the mid and upper catchments with 45,000 seedlings. All were planted at water sources.
 - ✓ Ficus sur (Mdzombe), Syzigium guinense (Mvengi), Asenia abysinica (Mdobole), Salix subserrata (Msusuliani), Rauvolfia caffra (Mvelevele)
- Supporting income and livelihoods activities

Beekeeping, home gardens

oLaw enforcement

Environmental awareness, demarcation and zoning (go and no go zones) with installed concrete pre-casted beacons.



























Tree Nursery established





Environmental education to Primary and Secondary School students







Tree planting – MBUMTILU WUA





















10

Key Lessons Learnt

- Adaptive management is key to successful implementation of EFlows.
- People will have more buy-in to the project when they are assured of the direct benefits from the project (i.e. beekeeping, home gardening)
- WUAs' empowerment is critical for the sustainability of restoration actions through NbS
- EFlows is an important tool for addressing the source-to-sea (S2S) aspects
- The WIOSAP EFlows demo project provides a foundation for the co-design and co-implementation of NbS towards addressing the **\$25** challenges.
- IWRM is fundamental to disentangling silo planning and enhancing integrated approaches in addressing the linkages along the source-to-sea continuum of land, water, delta, estuary, coast, nearshore and ocean ecosystems.
- A landscape/catchment or basin scale is vital to addressing the S2S challenges.





Project Sustainability

- The project has **increased institutional and human resources capacity** at the district level and sectoral levels through EFA awareness.
- The project revealed potential for building a **social enterprise or business case** particularly at up-scaling phase.
- The Rufiji Basin Water Board (RBWB) is determined to continue supporting the initiated activities by the EFLOWS demo project, including the **conservation of water sources** as well as the **water-friendly tree nurseries**. Promised to provide **transport** and **equipment** to assist WUAs in carrying out their water resource management tasks in the catchment.
- The **REGROW project** expressed its commitment to enhance its cooperation with the WUAs in developing water-friendly tree nurseries and in supporting management of water sources. They provided **motorcycles** to ease WUAs' transport in reaching the various areas under their jurisdiction.
- The local government authorities, particularly the Mbarali District Council has expressed its commitment to allocate some resources from its annual budget to support the WUAs activities and in scaling up the EFLOWS findings.
- To enhance WUAs income, the District Councils have committed to buy the raised water-friendly and fruit seedling as part of the national tree planting campaigns.







Acknowledgements





Thank you