

**Action Plan to Improve Planning,
Development, Operation and
Management of Rice Production
Infrastructure
in Uganda**

By Damalie Akwango-Aliou PhD

Issue in Rice Production Infrastructure (No. 1): Non functional and limited irrigation infrastructure

Solution 1: Develop a comprehensive plan for Rehabilitation of the existing and design new Irrigation facilities

Expected Results	Actions	Timeline	Responsibility	Budget
1.1 A Comprehensive plan for maintenance rehabilitation/ development of new irrigation facilities is developed	1.1.1 Share with the Country Irrigation Project Development Task Force key lessons learnt-training	July 2018	Irrigation Project Task Force	N/A
	1.1.2. Identify and design studies that are required to inform develop the maintenance and rehabilitation plan	July 2018	Irrigation Project Task Force	MWEM and MAAIF
	1.1.3 Conduct studies/ baseline for suitability for design (locations) of the irrigation facilities	Dec 2018	MAAIF	Development Partner JICA

Issue in Rice Production Infrastructure (No. 1): Non functional and limited irrigation infrastructure (2)

Solution: Develop a comprehensive plan for Rehabilitation of the existing and design new Irrigation facilities

Expected Results	Actions	Timeline	Responsibility	Budget
1.1 A Comprehensive plan for maintenance rehabilitation/ development of new irrigation facilities is developed	1.1.4. Review the existing draft Water Resources Master plan to guide the process	Dec 2018	MWE/ MAAIF	
	1.1.5 Provide for Resource Mobilization within government Ministries and Development Partners	Dec 2019	Focal Person	MAAIF
	1.1.6 Initiate the construction process / rehabilitation of new irrigation facilities based on the suitability results in agro-ecological zones (9 ZARDIs)	Within 5 years	MAAIF-NARO Irrigation Project	Loan from World Bank

Issue in Rice Production Infrastructure (No. 1): Non functional and limited irrigation infrastructure (3)

Solution 2: Develop an institutional and legal framework to support the implementation of the comprehensive plan

Expected Results	Actions	Timeline	Responsibility	Budget
1.2 Policy and legal framework for maintenance and development of new irrigation facilities improved	2.1.1 Identify a task force to take on the design of improved institutional and legal framework	August 2018	MAAIF	Agricultural Cluster Development Project
	2.1.2 Review/analyse the existing policies to identify gaps, opportunities and challenges for enabling environment for continuous maintenance and development of irrigation infrastructure	2years	MAAIF	ACD Project

Issue in Rice Production Infrastructure (No. 1): Non functional and limited irrigation infrastructure (4)

Solution: Develop an institutional and legal framework to support the implementation of the comprehensive plan

Expected Results	Actions	Timelin e	Respon sibility	Budge t
1.2 Policy and legal framework for maintenance and development of new irrigation facilities improved	2.1.3 Provide for LCC in the developed policies	N/A		
	2.1.4 Capacity building for skills and knowledge in the maintenance of the infrastructure	5years	MAAIF	DP - JICA
	2.1.5 Budget for the maintenance costs in all the developed proposals	As Above	MAAIF	DP-JICA
	2.1.6 Provide for the LID Model for sustainability (cost sharing)	As Above	MAAIF	N/A
	2.1.7 Obtain the Government approval		MAAIF	N/A

Issue in Rice Production Infrastructure (No. 2): Limited Irrigation infrastructure due to non- implementation of Country Irrigation/Water Mgt Master Plan

Solution 3 Implement the country Master Plan irrigation development and Water Management

Expected Results	Actions	Timeli ne	Responsi bility	Budget
Existing Master Plan Validated -	3.1.1 Review the Master plan and prepare for its implementation	1year	MAAIF	
	3.1.2 Conduct study to estimate the available water resource of each of the river basins / lakes vs amount required for use	1year	MAAIF	
	3.1.3 Technical feasibility of such development	1 year		

Issue in Rice Production Infrastructure (No. 2): Limited Irrigation infrastructure due to non- implementation of Country Irrigation/Water Mgt Master Plan

Solution 3 Implement the country Master Plan irrigation development and Water Management

Expected Results	Actions	Timeline	Responsibility	Budget
Existing Master Plan Validated -	3.1.4 Cost benefit analysis of economic and social returns	3 Years		
	3.1.5 Prepare for Flood control plans and other likely Risks	3 years		
	3.1.6 Engage different stakeholder in the, planning, and decision making for water uses	N/A	MAAIF	

Issue in Rice Production Infrastructure (No. 2): Limited Irrigation infrastructure due to non- implementation of Country Irrigation/Water Mgt Master Plan

Solution 3 Implement the country Master Plan irrigation development and Water Management

Expected Results	Actions	Timeline	Responsibility	Budget
Ability to mobilise finances for Master plan implementation improved	3.2.1 Disseminate and share the Master plan with all the stakeholders	N/A		
	3.2.2 Fundraising through development partners and get buy in of President	5years	MAAIF	
	3.2.3 Budget for the maintenance costs in all the developed proposals	As Above	MAAIF	

Issue in Rice Production Infrastructure (No. 2): Limited Irrigation infrastructure due to non- implementation of Country Irrigation/Water Mgt Master Plan

Solution 3 Implement the country Master Plan irrigation development and Water Management

Expected Results	Actions	Timelin e	Responsi bility	Bud get
Ability to mobilise finances for Master plan implementation improved	3.2.4 Capacity building for skills and knowledge in the maintenance of the infrastructure	As Above	MAAIF	
	3.2.5 Sensitize the users of the irrigation infrastructure on the LID model	As above	MAAIF	
	3.2.6 Capacity building for skills and knowledge in the maintenance of the infrastructure	As Above	MAAIF	

Issue in Rice Production Infrastructure (No. 3): Limited of Capacity in terms of technical skills and Knowledge to Operate and manage the Irrigation facilities and water distribution

Solution : Build Technical capacity for Irrigation facility and water management and Maintenance

Applied Model: Japan LID

Expected Results	Actions	Time	Responsibility	Budget
Well managed and maintained Irrigation facilities	Skills and technical expertise identification for Irrigation / water management and distribution	1 year	MWE	Irrigati
	Training of the available water engineers	5 years	MWE	Irrigati
	Facilitate exposure visits to acquire knowledge and experience sharing	3 years	MWE	Irrigati

Issue in Rice Production Infrastructure (No. 3): Limited of Capacity in terms of technical skills and Knowledge to Operate and manage the Irrigation facilities and water distribution

Solution : Build Technical capacity for Irrigation facility and water management and Maintenance

Applied Model: Japan LID

Expected Results	Actions	Timeli ne	Respon sibility	Budge t
Well managed and maintained Irrigation facilities	Sensitization of users/ farmers on utilization of water	5 years	MWE	Irrigati on Project
	Design and implement supportive policy for water management and distribution	10 years	MWE	Irrigati on Project
	Formation of water management associations for sustainability	5 years	MWE/	

Thank you for Listening to me