

# Promotion of African Rice Development for Sub-Saharan African Countries



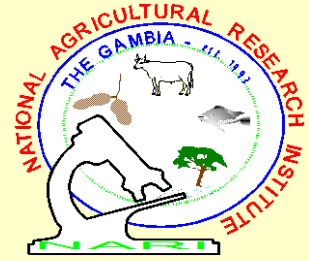
## Action Plan The Gambia



By

Dr. Lamin Dibba

# Presentation outline



- ❑ Issues in Rice production infrastructure
- ❑ Objectives
- ❑ Expected outcomes
- ❑ Actions
- ❑ Timelines
- ❑ Responsible implementing institution
- ❑ Budgets and sources

# Limited involvement of the private sector in rice infrastructure development



**Issue in Rice Production Infrastructure(No. 1): Very limited involvement of the private sector in rice infrastructure development**

**Objective 1 (Solutions to address the issue) : To encourage private sector investment in rice infrastructure development**

**Applied Model:**

<b>Expected Results</b>	<b>Actions</b>	<b>Timeline/ Deadline (If applicable)</b>	<b>Responsibility</b>	<b>Budget and Sources (if applicable)</b>
1.1 Conducive environment created for private investment	1.1.1 Identification and promotion of high value rice varieties that are in high demand	By June 2019	Research	USD 5000 from FOA support
	1.1.2 Policy analysis for the rice value chain to determine the competitiveness of local rice production	By September 2018	Research	USD 3000 from World Bank support
	1.1.3 Experimental auctions to determine the willingness of the local people to pay for locally produced	By November 2019	Research	USD 3000 from FAO support
	1.1.4 Establish innovation platform for the rice value chain actors	By December 2018	Research	USD 3000 from CORAF support
	Institutional arrangements	By March 2019	Research	USD 3000 from CORAF support

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1.2 Increased number of pre and post harvest equipment	1.2.1 Review policies in connection with the procurement of pre and post harvest equipment	By November 2018	Ministry of Agriculture	N/A
	1.2.2 Consultation with beneficiary stakeholders to determine payment modalities in connection to usage of pre and post harvest equipment	By February 2019	Ministry of Agriculture and beneficiary communities	USD 3000 from FAO support
	1.2.3 Demand and supply analysis to determine the availability of local rice to make post harvest equipment like threshers to used to full capacity	By November 2018	Research	USD 3000 from World Bank Support
	1.2.4 Training of local operators	By June 2019	Department of soils	USD XXX to be determined

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**Objective 1 (Solutions to address the issue) : To encourage private sector investment in rice infrastructure development**  
**Applied Model:**

Expected Results	Actions	Timeline/ Deadline (If applicable)	Responsibility	Budget and Sources (if applicable)
1.3 Increased availability of local rice in markets across the country	1.3.1 Establishment of rice collection centers across the country	By November 2020	Ministry of Agriculture, CARD steering committee and beneficiary communities	N/A
	1.3.2 Establishment of farmer cooperatives to ease marketing of local rice	By December 2020	Ministry of Agriculture, CARD steering committee and beneficiary communities	N/A
	1.3.3 Promotion campaign to encourage the local population to consume locally produced rice	By December 2019	Ministry of Agriculture and the media	USD 5000 from FAO support
	1.3.4 Introduced improved post harvest handling techniques to improve the quality of local rice	By December 2018	Ministry of Agriculture	N/A
	1.3.5 Provision of improved packaging materials	By December 2018	Ministry of Agriculture and the Private sector	N/A

# Low irrigation efficiency and high cost of pump irrigation



**Issue in Rice Production Infrastructure(No. 2): Low irrigation efficiency and high cost of pump irrigation**

**Objective 1 (Solutions to address the issue) : To improve irrigation efficiency and reduce high cost of pump irrigation**

**Applied Model:**

<b>Expected Results</b>	<b>Actions</b>	<b>Timeline/ Deadline (If applicable)</b>	<b>Responsibility</b>	<b>Budget and Sources (if applicable)</b>
2,1 Irrigation facilities rehabilitated	2,1,1 Formulation of local irrigation facility improvement committee	By June 2019	Ministry of Agriculture and beneficiary communities	USD 3000 from AfDB support
	2,1,2 Provide a policy framework for the operation of the local irrigation facility improvement committee	By December 2018	Ministry of Agriculture and beneficiary communities	N/A
	2,1,3 Train irrigation engineers to handle maintenance operation of irrigation facilities	By June 2019	Department of Soils and research	USD xxx amount to be determined

# Low irrigation efficiency and high cost of pump irrigation



Issue in Rice Production Infrastructure(No. 2): Low irrigation efficiency and high cost of pump irrigation				
Objective 1 (Solutions to address the issue) : To improve irrigation efficiency and reduce high cost of pump irrigation				
Applied Model:				
Expected Results	Actions	Timeline/ Deadline (If applicable)	Responsibility	Budget and Sources (if applicable)
2,2 Water use efficiency improved	2.2.1 Introduce land consolidation policy to enable farmers to combine their land holding and facilitate the use of machinery	By December 2018	Ministry of Agriculture	N/A
	2.2.2 Consultative meeting with on-going projects to develop irrigation and drainage system that will allow water to get to the rice fields only when needed	By December 2018	CARD steering committee	USD 2000 from JICA support
	2.2.3 Consultative meeting with on-going projects to Develop an irrigation system that circulate water to farmers up and down stream simultaneously	By December 2018	CARD steering committee	USD 2000 from JICA support

# Low irrigation efficiency and high cost of pump irrigation



**Issue in Rice Production Infrastructure(No. 2): Low irrigation efficiency and high cost of pump irrigation**

**Objective 1 (Solutions to address the issue) : To improve irrigation efficiency and reduce high cost of pump irrigation**

**Applied Model:**

<b>Expected Results</b>	<b>Actions</b>	<b>Timeline/ Deadline (If applicable)</b>	<b>Responsibility</b>	<b>Budget and Sources (if applicable)</b>
2.3 Frequency of pump irrigation reduced	2.3.1 Regular maintenance of irrigation facilities	Annually by end November	Ministry of Agriculture and beneficiary communities	N/A
	2.3.2 Development of a uniform time for pumping of water to rice fields	By December 2018	Ministry of Agriculture and beneficiary communities	N/A
	2.3.3 Identified operators who will be solely responsible for pumping water to rice field	By December 2018	Ministry of Agriculture and beneficiary communities	N/A



# Poor repair and maintenance of irrigation infrastructure



Issue in Rice Production Infrastructure(No. 3): Poor repair and maintenance of irrigation infrastructure				
Objective 1 (Solutions to address the issue) : To develop an improved irrigation system				
Applied Model:				
Expected Results	Actions	Timeline/ Deadline (If applicable)	Responsibility	Budget and Sources (if applicable)
3.1 Beneficiary contribution increased	3.1.1 Determine the amount of money to be contributed by each beneficiary for the successful maintenance of the facility	By December 2018	Ministry of Agriculture and beneficiary communities	USD XXX to be determined by action
	3.1.2 Determine the level of in-kind contribution necessary for the maintenance and rehabilitation of irrigation facilities	By December 2018	Ministry of Agriculture and beneficiary communities	USD XXX to be determined by action
	3.1.3 Determine the level of contribution by the beneficiary local government	By December 2018	Ministry of Agriculture and local government council	USD XXX to be determined by action

# Poor repair and maintenance of irrigation infrastructure



Issue in Rice Production Infrastructure(No. 3): Poor repair and maintenance of irrigation infrastructure				
Objective 1 (Solutions to address the issue) : To develop an improved irrigation system				
Applied Model:				
Expected Results	Actions	Timeline/ Deadline (If applicable)	Responsibility	Budget and Sources (if applicable)
3.2 Increased number of local irrigation management committees	3.2.1 Consultative meetings between government officials and beneficiary committees	By November 2018	Ministry of Agriculture and beneficiary communities	USD 3000 from FAO support
	3.2.2 Establishment of local management committee for every irrigation scheme	By December 2018	Ministry of Agriculture and beneficiary communities	N/A

# Poor repair and maintenance of irrigation infrastructure



Issue in Rice Production Infrastructure(No. 3): Poor repair and maintenance of irrigation infrastructure				
Objective 1 (Solutions to address the issue) : To develop an improved irrigation system				
Applied Model:				
Expected Results	Actions	Timeline/ Deadline (If applicable)	Responsibility	Budget and Sources (if applicable)
3.3 Increased number of irrigation engineers	3.3.1 Identification and training of local engineers	By November 2018	Ministry of Agriculture and beneficiary communities	USD xxx to be determined
	3.3.2 Step down training of beneficiary committees members	By June 2019	Ministry of Agriculture and beneficiary communities	USD xxx to be determined

## High incidence of floods

Issue in Rice Production Infrastructure(No. 4): High incidence of floods				
Objective 1 (Solutions to address the issue) : To reduce the impact of floods				
Applied Model:				
Expected Results	Actions	Timeline/ Deadline (If applicable)	Responsibility	Budget and Sources (if applicable)
4.1 Increased number of reservoirs	4.1.1 Consultation with beneficiary communities to identify drainage related problem	By December 2018	Ministry of Agriculture and beneficiary communities	USD 3000 from FAO support
	4.1.2 Identification flood prone areas within the rice sector development communities	By December 2018	Ministry of Agriculture and beneficiary communities	N/A
	4.1.3 Construction of reservoirs to hold excess water from floods	By December 2021	Ministry of Agriculture and beneficiary communities	USD XXX to be determined
	4.1.4 Determine the cost required to construct a reservoirs	By June 2019	Research	USD xxx to be determined by the action
	4.1.5 Develop a framework to finance the construction of the reservoirs	By December 2019	Ministry of Agriculture and Research	N/A



## High incidence of floods

Issue in Rice Production Infrastructure(No. 3): High incidence of floods				
Objective 1 (Solutions to address the issue) : To reduce the impact of floods				
Applied Model:				
Expected Results	Actions	Timeline/ Deadline (If applicable)	Responsibility	Budget and Sources (if applicable)
4.2 Improved drainage system	4.2.1 Consultation of government officials and beneficiary communities	By December 2018	Ministry of Agriculture and beneficiary communities	USD 2000 from FAO support
	4.2.2 Consultative meeting with on-going projects to Construct drainage canal that can remove excess water from the paddy fields	By December 2018	CARD steering committee	USD 3000 from JICA support

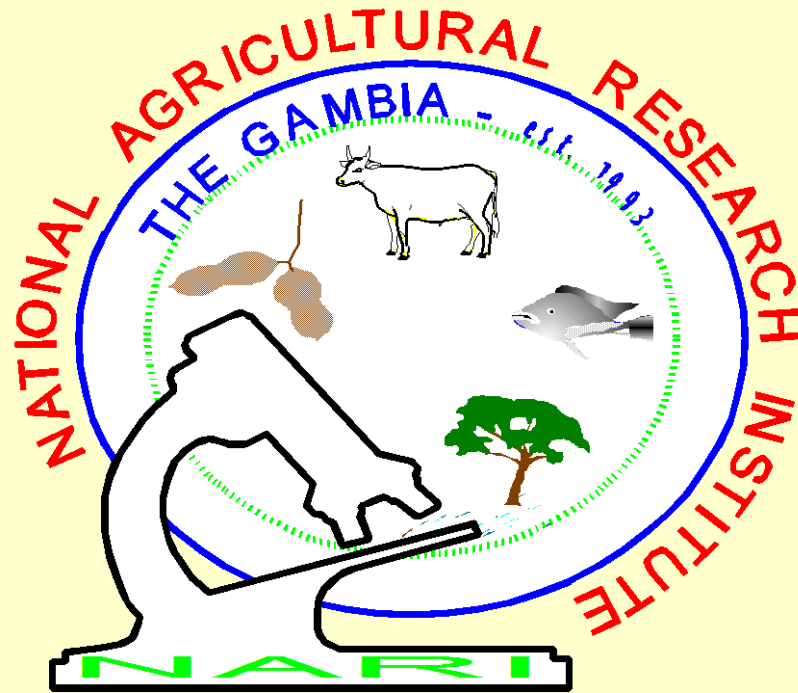


## High incidence of floods

Issue in Rice Production Infrastructure(No. 4): High incidence of floods				
Objective 1 (Solutions to address the issue) : To reduce the impact of floods				
Applied Model:				
Expected Results	Actions	Timeline/ Deadline (If applicable)	Responsibility	Budget and Sources (if applicable)
4.3 Increase number of weather surveillance equipment and information	4.3.1 Consultation with the department of water resources for the establishment of weather stations in the rice irrigation scheme concentrated regions	By December 2018	CARD steering committee	USD 3000 from JICA support
	4.3.2 Dissemination of whether information on national TV and local radio stations	By December 2018	Ministry of Agriculture and Media	USD 5000 from AfDB support

**Thank you for your kind attention**

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