LIBERIA) CARD GM5 Presentation Progress of NRDS Implementation

Presented By Ousman Tall & Harry Wonyene The Fifth General Meeting of CARD 5-6 February 2013 in Dakar

1. Overview of Rice Sector

Rice Sector:

- Rice is the primary staple food of most of Liberia's 3.5 million people.
- Annual per capita consumption of rice in Liberia is estimated to be 133kg, one of the highest in Africa.
- In 2010, rice was cultivated over a land area of 251,230 Ha, with an average yield of 1.1 t/ Ha.
- The total domestic rice produced was estimated to be about 296,090 metric tons.
- The total consumption of rice is over 400,000 MT making the demand for rice higher than the domestic production.
- The challenges in the sector are enormous: Low yield, post harvest losses, moving to lowland ecologies, inputs and outputs markets, etc.

Progress and Status of NRDS Implementation

- **NRDS Status**: After the Launching of the NRDS on the 24th of April 2012 by the Minister of Agriculture the following activities were under taken;
- Working week 1 was held to identified Gap area and priority area on the SIEM Matrix identified.
- 12 priority areas were identified along the following key areas:
- Variety improvement
- Seed production capacities
- Human and Institutional capacities
- Irrigation
- > Expansion of low land under cultivation
- Productivity enhancement
- Information dissemination and adoption
- Postharvest technologies
- Access to credit along the value chain
- > Creating the enabling policy environment for increased rice production

Progress and Status of NRDS Implementation

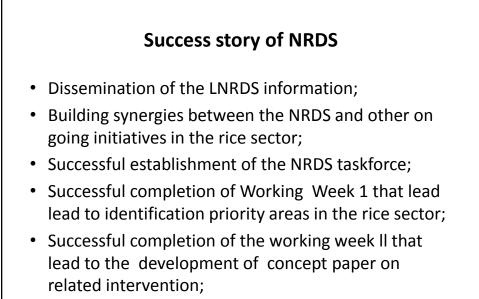
The Second working week was conducted from January 14-18th 2013 to develop concept notes on the intervention topics created in working week one April 23-27 2012;.

At the conclusion of Working Week II 5 concept notes were developed;

- 1. Enhancement of Post-harvest Technology;
- 2. Development of Irrigation to Improve Rice Production;
- 3. Improved Seed Production and Distribution;
- 4. Facilitation of Access to Financial Services for Rice Value Chain Stakeholders
- 5. Enhance Extension and Technical Advisory Services.

The three priority area are the following;

- 1. Enhancement of Post-harvest Technology;
- 2. Development of Irrigation to Improve Rice Production;
- 3. Improved Seed Production and Distribution.





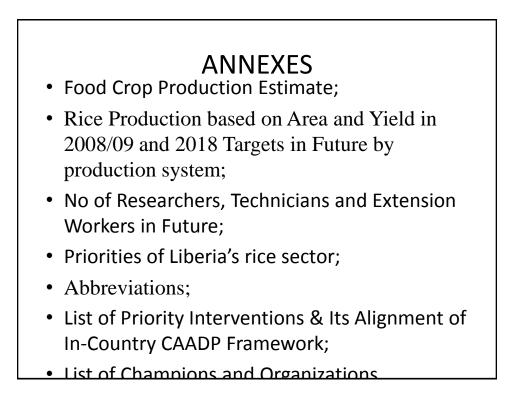
critical challenges in NRDS Implementation

- Financial, Human and institution requirements to move to the lowland ecologies;
- Speeding up the dissemination of improved and better variety of seed rice;
- Drastically putting in place measures to reduce post harvest losses;
- Creating the appropriate policy environment to promote rice production.



- Preparation of promotion materials to demonstrate the relevance of the concept notes with regard to CAADP/LASIP and government priorities;
- Developing Concept Notes into full-blown project proposals;
- Lobbying for funding;
- Achievement of the Maputo Declaration target (10% of national budget devoted to agriculture – currently below 5%);
- Continued donor commitment to support agriculture programmes/projects.





Crop (k MT)	2008	2009	2010	2011	2012	% Growth ('12 / '08)
Rice	279,000	293,000	296,000	290,650	306,200	306,200/27 9,000%
Maize	N/A	N/A	N/A	N/A	N/A	0%
Cassava	496,290	495,300	493,000	489,270	N/A	0/496,290%
Wheat	N/A	N/A	N/A	N/A	N/A	%
Other food corps	N/A	N/A	N/A	N/A	N/A	%
						%

	Area (Ha)	Yield		Area	Yield	Productio		Yield	Productio	Productio	Equivalent	
		(MT/Ha)	Productio n (MT)	(Ha)	(MT/Ha)	n (MT)	Area (Ha)		n (MT)	n	(MT)	(MT)
2008	190,000	0.90	160,000	18,000	1.2	23,000	2,000	1.8	4000	200,000	128,000	462,417
2009	190,000	0.90	171,000	20,000	1.2	24,000	2,000	2.0	4,000	199,000	129,350	465,500
2010	190,000	0.95	180,500	22,000	1.5	33,000	5,000	2.1	10,500	224,000	145,600	475,276
2011	190,000	0.95	180,500	24,000	2.0	48,000	6,000	2.5	15,000	243,500	158,275	485,256
2012	190,000	1.20	228,000	26,000	2.2	57,200	7,000	3.0	21,000	306,200	199,030	495,447
2013	190,000	1.50	285,000	27,000	2.5	67,500	8,000	3.5	28,000	380,500	247,325	505,851
2018	190,000	2.00	380,000	64,500	3.5	225,750	45,500	6.0	273,000	878,750	571,188	561,244
Growth '12/'08	1	1.3	1.42	1.4	1.8	2.4	3.5	1.6	5.25	1.5	1.5	1.0

Year	Agricultu or PhD	ıral Researcher	s with MA	Agricultu	ire Technicians		Extensio	n Workers	
	Total	Specialist s with PhD		Total	Specialist s with PhD	Specialist s with MA	Total	Specialist s (part time)	Specialist s (ful time)
2008	2	0	2	0		0	0	0	0
2009	5	1	4	6	0	5	10	5	5
2010	5	1	4	6	1	5	10	5	5
2011	7	1	6	6	1	5	10	5	5
2012	7	1	6	6`	1	5	10	5	5
2013	10	2	8	6	1	5	15	5	10
2014	10	2	8	6	1	5	15	5	10
2015	10	2	8	6	1	5	15	5	10
2016	10	2	8	6	1	5	15	5	10
2017	12	2	10	6	1	5	15	5	10
2018	12	2	10	6	1	5	15	5	10
Total	90	16	74	60	1 10	50	130	50	80

	Policy / Institutional	Infrastructure	Human resources capacity	Provision / Support	Information / Knowledge
Seed	LID-1(6), LID-5(1)	14-4(2)		Lib-4(1), Lib-5(3)	Lib-3(1), Lib-3(3)
Fertilizer		-	Lib-3(2)		
Irrigation / Water management	LID-5(1)	CRAME OF ALL	100-1021		
On farm technology dissemination (E)	cab-3(5)		un arti, Un aizi. Un ficti	Lib-1(3), Lib-3(1), Lib-4(1), Lib-5(3)	Lib-1(2), Lib-3(3)
Mechanization			Lib-4(3)	Lib-1(3), Lib-4(1)	Lib-3(1)
Quality improvement			Lib-3(2)	UB-3(1)	
Access to market		Lib-1(4), Lib-3(1), Lib-4(2)	Lib-4(2)		Lib-4{2}
Access to Finance			Lib-4(3)		
Overall policy tools	Lib-5(1)				

	List of Abbreviations
Abbreviation	Full Name
LNRDS	Liberia National Rice Development Strategy
CARD	Collation of Africa Rive Development
CAADP	Comprehensive African Agriculture Development Program
LASIP	Liberia Agriculture Sector investment Program
RSTWG	Rice Sector Working Group
GOL	Government of Liberia
MDG	Millennium Development Goal
MOA	Ministry of Agriculture
PRS	Poverty Reduction Strategy
FAPS	Food and Agriculture Policy strategy
CARI	Central Agriculture Research Program
ASRP	Agriculture Sector investment Program
USAID	United States Agency for international Development
FAO	Food and Agriculture Organization
FARA	Forum for Africa Research association
IRRI	International Rice Research institute
WARDA	West African Rice Development Association
	Comprehensive Food Security and. Nutrition Survey,

List of Priority Interventions & Its Alignment of In-Country CAADP Framework

SI. No	CAADP intervention Topic	Intervention Element	Subsector
1.	Enabling infrastructure for rice varietal improvement, seed multiplication and seed distribution in Liberia	Infrastructure	Seed
2.	Building capacity of purity, multiplication and production of rice seeds through training of farmers, farmer/community based organizations and private seed producers	Human resource capacity	
3.	Strengthening the technical and human capacities in research, production and multiplication of seed rice		
4.	Rehabilitation of existing irrigation facilities in lowland rice production areas	Infrastructure	Irrigation/ Water Management
5	Expansion of area under rice cultivation in Liberia by constructing new irrigation structures in lowlands		
6.	Increasing rice productivity through training of farmers and local administration authorities on integrated water management/conservation and water use techniques	Human Resource Capacity	
7.	Strengthening human capacity in water resource management in lowland rice producing areas in Liberia		

SI. No	CAADP intervention Topic	Intervention Element	Subsector
8.	Enabling dissemination of on-farm technologies of rice production and processing by strengthening the human capacity of advisory services in Liberia	Human Resource Capacity	On-farm technology dissemination
9.	Enhancing the infrastructure capacity in post harvest handling, processing and value addition of rice in Liberia	Infrastructure	Quality Improvement
10.	Enabling environment for rural agricultural financial services to improve access to finance for farmers, farmer based organizations, processors, agro-dealers, traders along the rice value chain	ce Institutional Support is,	
11.	Improved implementation and compliance of rural finance schemes and access by cooperative development agency (rice)		
12.	Capacity building of institutional support and policy formulations for increased efficiency of rice value chain	Human Resource Capacity	Overall policy tools

	List of Champions	
Name	Job Title	Organisation
Dr Kamal Bucharatherai	Livelihood Coordinator	CRS
Eugene P. S. Gibson	Program Officer AGRHA	AGRHA
Enamul Haque	Ag. Coordinator BRAC	BRAC
Laveto Akoi-Forkpa	program ManagerACDI / VOKA (ACF)	ACDI VOCA
Stephen M. zazay	senior Rice analyst	Ministry of Commerce
Philip S. Tamba	Technical Manager	ODAFARA
Franklin King	specialist Urban Agriculture/	GAA
ames Dolo	Rice researcher	CARI
lames T More	Deputy Minister for Tech. Services	Special Asst.
Harry Wonyene	Director	Ministry of Agriculture-

Participating Organization to the Day 5 meeting			
USAID			
AfDB			
WORLD BANK			
FAO			
CRS			
ODAFARA			
GREENSTAR			
BRANCO			