

**NRDS - GHANA  
CARD STEERING COMMITTEE MEETING (8-9 NOV. 2012)  
YAOUNDE CAMEROON**



**CHRONOLOGY OF PREPARING THE NRDS**

- First FAO Regional Workshop in Rice and Aquaculture Productivity increase and Market Access (Kampala -Uganda November 3-7, 2008) (1<sup>st</sup> CARD General Meeting)
- Formation of Rice Task force to National Rice Development Strategy (NRDS) - (Accra-Ghana) December, 2008).
- Interactive Workshop on Zero Draft of NRDS-(February 2-5, 2009, Benin Coutonou)
- Submission of First NRDS draft to CARD May 2009
- Second FAO Regional Workshop – to discuss draft NRDS – (Kampala, Uganda April 13-17, 2009). (2<sup>nd</sup> CARD General Meeting)
- Introduction of Strategy to Development Partners (Accra-Ghana 23<sup>rd</sup> April, 2009).
- MOFA Adoption of Strategy/During Workshop on Agriculture Sector Plan (30<sup>th</sup> April - 4<sup>th</sup> May, 2009)
- Meeting of Task Force to incorporate comments of Donors/MOFA into final draft
- Submission of Second NRDS draft to CARD (Nairobi-Kenya 15<sup>th</sup> May, 2009).

## CHRONOLOGY OF PREPARING THE NRDS CONT'D

- Validation and Initial launching of the NRDS (Accra-Ghana 24<sup>th</sup> November, 2009)
- Presentation of Strategy to Peasant Farmers Association (Accra-Ghana 6<sup>th</sup> January, 2010).
- Final Launching of the Ghana-NRDS Document (9<sup>th</sup> August, 2010) and submission to CARD
- Third FAO Regional Workshop – ASEAN Experience (Accra –Ghana 9<sup>th</sup> -13<sup>th</sup> August 2010)
- First Ghana Rice Working Week (Accra-Ghana 22<sup>nd</sup> – 26<sup>th</sup> November, 2010)
- Second Rice working week (Accra - Ghana 9<sup>th</sup> – 14 May, 2011)
- Mid-Year Stakeholder Meeting (MSM) including DPs – 15<sup>th</sup> June, 2011
- Meeting between CARD Coordinator, Core Task Force members and CAADP Reps June 2012.
- Meeting by core task force members and JICA reps to review and costing of concept notes, 17<sup>th</sup> October, 2012.

## NATIONAL TASK FORCE MEMBERS

- **MINISTRIES, DEPARTMENTS AND AGENCIES (MDAs)**
  - **MOFA** (DCS, PPMED, SRID, DAES, AESD, PPRSD, GLDB, GIDA)
  - **OTHERS** – MOTI, MOFEP
- **COUNCIL FOR SCIENTIFIC AND INDUSTRIAL RESEARCH**
  - FOOD RESEARCH INSTITUTE
  - CROPS RESEARCH INSTITUTE
  - SAVANNA AGRICULTURAL RESEARCH INSTITUTE
- **UNIVERSITY OF GHANA/ARS – KPONG**
- **GHANA IRRIGATION DEVELOPMENT AUTHORITY**

## NATIONAL TASK FORCE MEMBERS

Name	Organization	Position
Mr. Fidelis Avogo	GRIB	Executive Secretary
Mr. Cletus Achaab	GSID/PPRS-D-MoFA	Director
Dr. Wilson Dogbe	CSIR-SARI	Rice Agronomist
Mr. John Nortey	SRID-MoFA	Assistant Director
Mr. Gordon Ekekpi	RSSP-MoFA	Project Coordinator/Deputy Dir.
Mrs Theresa Fynn	PPMED-MoFA	Assistant Director
Dr. Kenneth Nyalemegbe	UG-ARS	Head of Research Station
Mr. Joseph Gayin	CSIR-FRI	Deputy Director
Mr. Richard Twumasi-Ankrah	NRDP-MoFA	Project Coordinator/Deputy Dir.
Mr. Edwin Sonne	IVRDP-MoFA	Project Coordinator/Deputy Dir.
Mr. Ralph Balm	CSIR-CRI	Agronomist

## NATIONAL TASK FORCE MEMBERS CONT'D

Name	Organisation	Position
Dr. Robert Asuboah	GLDB	CEO
Mr. Gabriel Owusu	DAES	Assistant Director
Mr. Albert Swatson	GIDA	Deputy Director
-	MOFI/MOFEP REPs	-

Newly Developed Needs-Resource Gap Matrix						
	Policy/ institutional	Infrastructure	Human resource capacity	Provision / support	Information / knowledge	Unclas sified
Seed - breeding - multiplication - distribution	GH18-1; GH20-1		GH15-1;GH16-2; GH18-1	GH6-2; GH12 *GH13-2-1;GH15- 3,4;GH16-3; GH17-1; GH18-1; GH20-1	GH5; GH10-7; GH14-3;GH15- 1,2; GH16-1; GH18-1	
Fertilizer - production / importation - distribution	GH18-2; GH20-2			GH6-2; *GH13-2-1; GH20-2	GH20-2; GH21-1,2	
Irrigation / water management		GH2-1; GH7-1; GH8- 4; CH9-4; GH10-1: aGH3-1,2	GH3-3;			
On-farm technology transfer - Research and extension	GH4; GH18-3		GH2-2,3; GH6-1,3; GH10-3; GH13- 3; GH16-2; GH18- 3; GH20-3	GH8-2, GH9- 2;GH15-4; GH16- 1,2,3; GH17-1,3; GH18-3	GH2-2,3; GH4;; GH6-1; GH7- 4; GH10-3, 6; GH13-1-2,3; GH13-3,4; GH14-1,2,4, *GH13- 3,d GH-5-1; GH16-2; GH18- 3;GH19-1; GH20-2;GH21-1,2	
Mechanization			GH17-3; GH18-2	*GH15-2, GH6-2; GH18-2; GH19-3		
Quality improvement - Processing / Storage	GH4; GH18-6	jGH7-3; GH18-5,6; GH19-3	GH6-3; GH10-3; GH16-2	jGH7-2,3	GH4; GH10-3; GH15-2	
Access to market - Promotion of local produce / branding	GH4; GH18-5	GH18-5	GH11-1	GH19-3	GH4; GH11-3; gGH13-2-4;	
Access to credit	GH10-4; GH17-2		GH17-2	GH7-2; GH10-4; GH18-4 ;GH19-2		
Overall policy tools	GH1-1,2,4; GH4; GH11-2; GH13-2- 3		GH1-3; GH9-3; GH10-2; GH10-5; GH11-1; GH19-4	GH1-5;	GH4; GH13-1-1;	
Unclassified		GH19-5	GH1-6,7, GH7-3; GH8-3; <sup>h</sup> GH9-3	GH8-1,5; GH9-1,5;		
Out	GH6-4; GH7-5; GH8-5; GH9-5; GH13-3-1					

GHANA	Policy/ institutional	Infrastructure	Human resource capacity	Provision / support	Information / knowledge	Unclas sified
Seed - breeding - multiplication - Certification&distribution	RS-1	RS-1	RS-1		RS-1	
Fertilizer - production / importation - distribution	RS-2		RS-2		RS-2	
Irrigation / water management	RS-4	RS-4	RS-4		RS-4	
On-farm technology transfer - Research and extension		RS-6	RS-6	RS-6	RS-6	
Mechanization	RS-5	RS-5	RS-5	RS-5	RS-5	
Quality improvement - Processing / Storage		RS-3	RS-3	RS-3	RS-3	
Access to market - Promotion of local produce / branding		RS-3	RS-3		RS-3	
Access to credit	RS-7		RS-7		RS-7	
Overall policy tools	RS-7*		RS-7			
Unclassified						
Out						

\*Community Mobilization, FBO's and Credit Management, RS-1=Seed System, RS-2=Fertilizer Marketing & Dist, RS-3=Post-Harvest & Marketing, RS-4= Irrigation & Water Control, RS-5=Equipment Access & Maintenance, RS6= R&D, RS7= Community Mobilization, FBO's

GHAAH	Policy/ institutional	Infrastructure	Human resource capacity	Provision / support	Information / knowledge	Unclassifi ed
Seed - breeding - multiplication - Certification & distribution	RS-1	RS-1	RS-1	*Create demand for quality seed	RS-1	
Fertilizer - production / importation - distribution	RS-2		RS-2 quality standard assurance	*Create demand for fertilizer	RS-2 Site specific fert. recommendatns	
Irrigation / water management	RS-4 valleys and rainfed lowlands	RS-4 valleys and rainfed lowlands	RS-4		RS-4	
On-farm technology transfer - Research and extension		RS-6	RS-6	RS-6	RS-6	
Mechanization	RS-5	RS-5 Mechanizat. Service centres	RS-5	RS-5 equipment	RS-5	
Quality improvement - Processing / Storage		RS-3 warehousing, drying floors	RS-3	RS-3 processing equip. moisture metres, w. scales	RS-3	
Access to market - Promotion of local produce / branding		RS-3	RS-3		RS-3	
Access to credit	RS-7 Institutional arrangements		RS-7 debt collection		RS-7	
Overall policy tools	RS-7*		RS-7 Rice BOs development			
Unclassified						
Out						

## THE INTERVENTIONS

### INTERVENTION 1

#### **HUMAN RESOURCE DEVELOPMENT FOR SEED PRODUCTION AND DISTRIBUTION**

- ☉ Training of all stakeholders in the industry (5 breeders (3MPhil, 2PhD), 3 seed technologists - MPhil, 30 research technicians, 9 regional seed grower associations, 2,500 extension/development staff, 50 GSID staff, 20 GGLDB staff, 100 input dealers) in seed production, storage and promotion.

**INTERVENTION 2*****INFRASTRUCTURAL DEVELOPMENT TO IMPROVE RICE SEED QUALITY***

- Establish an efficient seed storage system across the rice growing regions and district
- Rehabilitate 3 existing seed cold storage facilities across the country
- Rehabilitate and upgrade 6 existing seed storage facilities
- Construct 3 new rice seed processing and storage facilities  
*(PPP arrangement)*

**INTERVENTION 3*****DEVELOPMENT OF LOWLANDS/INLAND VALLEYS WITH WATER CONTROL STRUCTURES FOR RICE CULTIVATION***

Design appropriate water control systems in characterized inland valleys and lowlands for enhanced water management for rice cultivation

- ⦿ Identify suitable characterized valleys/lowlands for development
- ⦿ Survey environment to determine appropriate water control structures
- ⦿ Design water control structures
- ⦿ Negotiate for usufruct and tenancy arrangement for selected valleys/lowlands *(PPP arrangement)*
- ⦿ Develop valleys with appropriate water control structures (dykes, bonds, wells etc.)
  - Develop 50,000ha (Phase 1) of lowlands and inland valleys

#### **INTERVENTION 4**

##### ***SUPPORT FOR THE DISSEMINATION OF IMPROVED RICE TECHNOLOGIES***

- Provision of logistics (equipment for research, extension/development workers) - 1000
- -Laboratory equipment
- -Soil testing equipment
- - Motorbikes
- - Moisture Meters
- - GPS
- - Germination Trays

#### **INTERVENTION 5**

##### ***SUPPORT FOR THE MECHANIZATION OF RICE PRODUCTION***

- Facilitate the provision of equipment (tractors -1000, earth moving machines -10, power tillers - 500, planters - 50, reapers - 100 and combine harvesters - 50, threshers -100, land levelers - 50 etc)

*(High Private Sector participation)*

## **INTERVENTION 6**

### ***ESTABLISHMENT OF MECHANIZATION SERVICE CENTRES***

- ⦿ Promote the establishment of mechanization service centers and leasing schemes with adequate backup of spare parts
- ⦿ Strengthen and expand existing mechanization service centers
- ⦿ Support the establishment of additional 100 mechanization service centers in major rice growing districts

*(PPP arrangement)*

## **INTERVENTION 7**

### ***SUPPORT FOR RICE QUALITY IMPROVEMENT***

- Provision of appropriate machinery (50 standard mills, 1-2 ton parboiling equipment, packaging equipment) at x additional processing centers
- Provision of other equipment accessories (moisture meters, scales, fork lift, etc).

*(PPP arrangement)*



**INTERVENTION 8**

**INFRASTRUCTURAL DEVELOPMENT FOR RICE QUALITY IMPROVEMENT**

- Establishment of rice processing centers
- Renovation of existing grain silos
- Provide 10 additional storage facilities in the major rice producing and consuming areas

*(Private Sector led programme)*

**Linkage of NRDS Interventions with CAADP**

Corresponding CAADP Pillars and crosscutting issues	NRDS Short term Interventions (Projects)	Medium Term Agriculture Sector Investment Plan, METASIP (2009), Programmes and components
<p><b>CP1.</b> Increase food supply by reducing hunger across the region by increasing smallholder productivity and improve response to food emergencies</p>	<p><b>1. HUMAN RESOURCE DEVELOPMENT FOR RICE SEED PRODUCTION AND DISTRIBUTION</b></p> <ul style="list-style-type: none"> <li>- Training of all stakeholders in the industry in seed production, storage and promotion.</li> </ul>	<ul style="list-style-type: none"> <li>- Technical capacity at all levels built to support promotion and dissemination of SLM technologies</li> <li>- Intensification of FBOs and out-grower grower schemes concept</li> </ul>

## Linkage of NRDS Interventions with CAADP

Corresponding CAADP Pillars and crosscutting issues	NRDS Short term Interventions (Projects)	Medium Term Agriculture Sector Investment Plan, METASIP (2009), Programmes and components
<p><b>CP1.</b> Increase food supply by reducing hunger across the region by increasing smallholder productivity and improve response to food emergencies</p>	<p><b>8. INFRASTRUCTURAL DEVELOPMENT TO IMPROVE RICE SEED QUALITY</b> Establish an efficient seed storage system across the rice growing regions and district</p> <ul style="list-style-type: none"> <li>Rehabilitate 3 existing seed cold storage facilities across the country</li> <li>Rehabilitate and upgrade 6 existing seed storage facilities</li> <li>Construct 3 new rice seed processing and storage facilities.</li> </ul>	<ul style="list-style-type: none"> <li>Productivity improvement</li> <li>Support to improved nutrition</li> </ul>

## Linkage of NRDS Interventions with CAADP

Corresponding CAADP Pillars and crosscutting issues	NRDS Short term Interventions (Projects)	Medium Term Agriculture Sector Investment Plan, METASIP (2009), Programmes and components
<p><b>CP2.</b> Extend the area under sustainable land management and reliable water control systems which includes soil fertility management and conservation agricultural water management, agricultural water use and irrigation land policy and administration</p>	<p><b>2. DEVELOPMENT of LOWLANDS/INLAND VALLEYS WITH WATER CONTROL STRUCTURES FOR RICE CULTIVATION</b> Design appropriate water control systems in characterized inland valleys and lowlands for enhanced water management for rice cultivation</p> <ul style="list-style-type: none"> <li>Identify suitable characterized valleys/lowlands for development</li> <li>Survey environment to determine appropriate water control structures</li> <li>Design water control structures</li> <li>Negotiate for usufruct and tenancy arrangement for selected valleys/lowlands</li> <li>Develop valleys with appropriate water control structures</li> </ul>	<ul style="list-style-type: none"> <li>Irrigation and water management</li> <li>Institutional capacity at all levels within the food and agriculture sector</li> <li>Technical support at all levels built to support promotion and dissemination of SLM technologies</li> <li>Rural Infrastructure</li> </ul>

## Linkage of NRDS Interventions with CAADP

Corresponding CAADP Pillars and crosscutting issues	NRDS Short term Interventions (Projects)	Medium Term Agriculture Sector Investment Plan, METASIP (2009), Programmes and components
<b>CP4. Research</b> Improve agricultural research and systems to disseminate appropriate new technologies and increasing the support given to help farmers adopt them which includes building research capacity and training	<b>3. SUPPORT FOR THE DISSEMINATION OF IMPROVED RICE TECHNOLOGIES</b> Provision of logistics (equipment for research, extension/development workers)	<ul style="list-style-type: none"> <li>- Adoption of improved technologies by farmers increased</li> <li>- Technology dissemination and adoption for scaling up of SLM</li> </ul>
<b>CP1. Increase food supply by reducing hunger across the region by increasing smallholder productivity and improve response to food emergencies</b>	<b>4. SUPPORT FOR THE MECHANIZATION OF RICE PRODUCTION</b> Facilitate the provision of equipment	<ul style="list-style-type: none"> <li>- Mechanisation services</li> <li>- Partnership with Private sector and Civil Society Organisations</li> </ul>

## Linkage of NRDS Interventions with CAADP

Corresponding CAADP Pillars and crosscutting issues	NRDS Short term Interventions (Projects)	Medium Term Agriculture Sector Investment Plan, METASIP (2009), Programmes and components
<b>CP1. Increase food supply by reducing hunger across the region by increasing smallholder productivity and improve response to food emergencies</b>	<b>5. ESTABLISHMENT OF MECHANIZATION SERVICE CENTRES</b> Promote the establishment of mechanization service centres and leasing schemes with adequate backup of spare parts <ul style="list-style-type: none"> <li>• Strengthen and expand existing mechanization service centres</li> <li>• Support the establishment of additional 100 mechanization service centres in major rice growing districts</li> </ul>	<ul style="list-style-type: none"> <li>- Mechanisation services</li> <li>- Partnership with Private sector and Civil Society Organisations</li> </ul>
<b>CP3. Market</b> Increase market access through improved rural infrastructure and other trade related interventions which includes supply chain development, quality control and management system development, export infrastructure and global trade policies and agreement	<b>6. SUPPORT FOR RICE QUALITY IMPROVEMENT</b> <ul style="list-style-type: none"> <li>• Provision of appropriate machinery (50 standard mills, 1-2 ton parboiling equipment, packaging equipment) at x additional processing centres</li> <li>• Provision of other equipment accessories (moisture meters, scales, fork lift, etc).</li> </ul>	<ul style="list-style-type: none"> <li>- Support to improved nutrition</li> <li>- Marketed output of non-export smallholder commodities increased</li> </ul>

## Linkage of NRDS Interventions with CAADP

Corresponding CAADP Pillars and crosscutting issues	NRDS Short term Interventions (Projects)	Medium Term Agriculture Sector Investment Plan, METASIP (2009), Programmes and components
<b>CP3. Market</b> Increase market access through improved rural infrastructure and other trade related interventions which includes supply chain development, quality control and management system development, export infrastructure and global trade policies and agreement	<b>7. INFRASTRUCTURAL DEVELOPMENT FOR RICE QUALITY IMPROVEMENT</b> <ul style="list-style-type: none"> <li>• Establishment of rice processing centres</li> <li>• Rehabilitation of existing grain silos</li> <li>• Provide 10 additional storage facilities in the major rice producing and consuming areas</li> </ul>	<ul style="list-style-type: none"> <li>- Grading and standardization systems made functional</li> <li>- Food storage and distribution</li> <li>- Rural Infrastructure Partnership with Private Sector and Civil Society Organisations</li> </ul>

## LIST OF CHAMPIONS

- Potential sponsors
  - **Government of Ghana**
  - **Development Partners** – CIDA, AfDB, IFAD, USAID, GIZ, AFD, World Bank, DANIDA, DFID, FAO, AGRA, IFDC, EU, JICA etc
  - **BILATERALS** (Country – Country arrangements)
  - **Private Sector** Investors

## CHAMPIONS WHO ARE AWARE OF NRDS CONCEPT NOTES

- Presentations made at DPs meetings
- One – on –one meetings (GIZ, WB, AFD)

## INTERACTION WITH CAADP TEAM

- Team participation in first rice working week
  - Team Participation in second rice working week
- CAADP country team made presentations on CAADP programme at first & second rice working weeks and seminars*
- Focal person, team members & CARD Coordinator meeting with CAADP focal persons
  - Core task force members participation in round table conference/ launching of METASIP.

- Very limited contact with Grow Africa

**THANK YOU**