

# OVERVIEW OF THE NRDS IMPLEMENTATION ASSISTANCE

THE FOURTH GENERAL MEETING OF CARD – AGENDA 5

*- 9 November 2011 -*



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# OUTLINE

- 1. TOWARDS THE GOAL**
- 2. OVERVIEW OF NRDS IMPLEMENTATION ASSISTANCE FOR CARD COUNTRIES**
- 3. SOME SYNERGIES BETWEEN DEVELOPMENT PARTNERS**
- 4. OTHER ILLUSTRATIONS OF SOME AREAS OF ASSISTANCE**



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# 1. TOWARDS THE GOAL

▶▶ [  $P_{2018} = P_{2008} \times 2$  ] 🎯



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# PRODUCTION

## 1<sup>st</sup> Group Countries

(000 t)	2008	2009	2010	Taux d'Acroiss <sup>t</sup> ( <sup>'</sup> 10/ <sup>'</sup> 08)
Madagascar	3,914	4,540	5,218	33.3%
Nigeria	3,186	3,927	4,081	28.1%
Mali	1,608	1,951	2,308	43.5%
Guinea	1,402	1,456	1,499	6.9%
Tanzania	875	867	1,700	94.3%
Sierra Leone	680	888	1027	51.0%
Senegal	516	546	604	17.1%
Ghana	302	391	492	62.9%
Uganda	178	206	218	22.5%
Mozambique	206	260	258	25.2%
Cameroon	72	nd	175	143.0%
Kenya	47	63	37	-21.3%
<b>Total</b>	<b>12,986</b>	<b>15,095</b>	<b>17,617</b>	<b>35.7%</b>

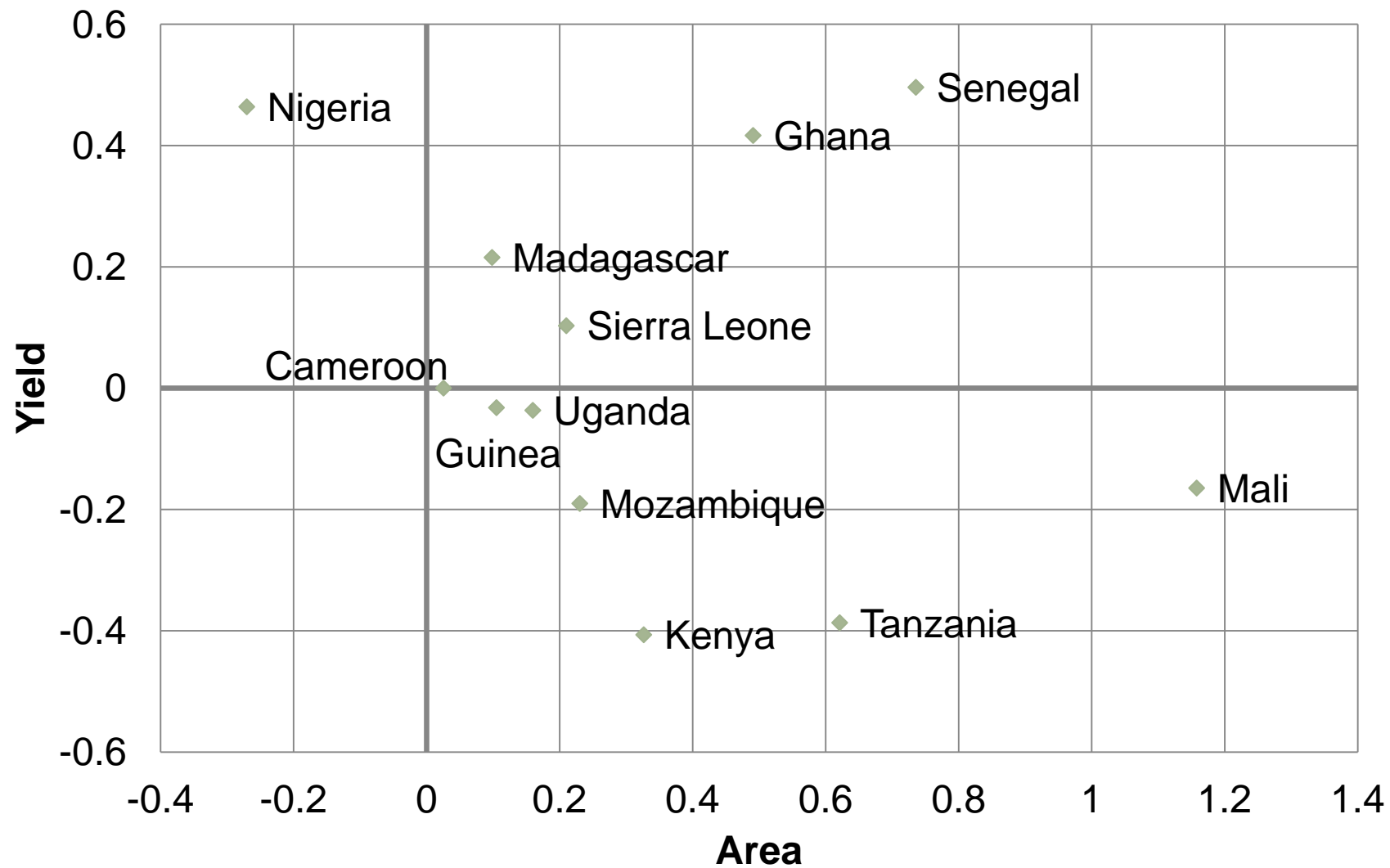


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# VARIATION OF AREA / YIELD

First Group countries, '10/'08



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# PRODUCTION

## 2<sup>nd</sup> Group Countries

(000 t)	2008	2009	2010	aux d'Acroiss <sup>t</sup> ( <sup>'</sup> 10/ <sup>'</sup> 08)
Côte d'Ivoire	684	680		
DRC	317	320		1.2%
Liberia	295	293		
Burkina Faso	195	214	233	19.5%
Benin	109	151	116	4.6%
Rwanda	66	81	71	7.6%
Gambia	34	63	80	35.3%
Togo	86	121	110	28.7%
Zambia	24	42	-	
CAR	57	60	63	10.5%
Ethiopia	286	498	887	210.1%
<b>Total (7 pays)</b>	<b>833</b>	<b>1 188</b>	<b>1 560</b>	<b>87.3%</b>

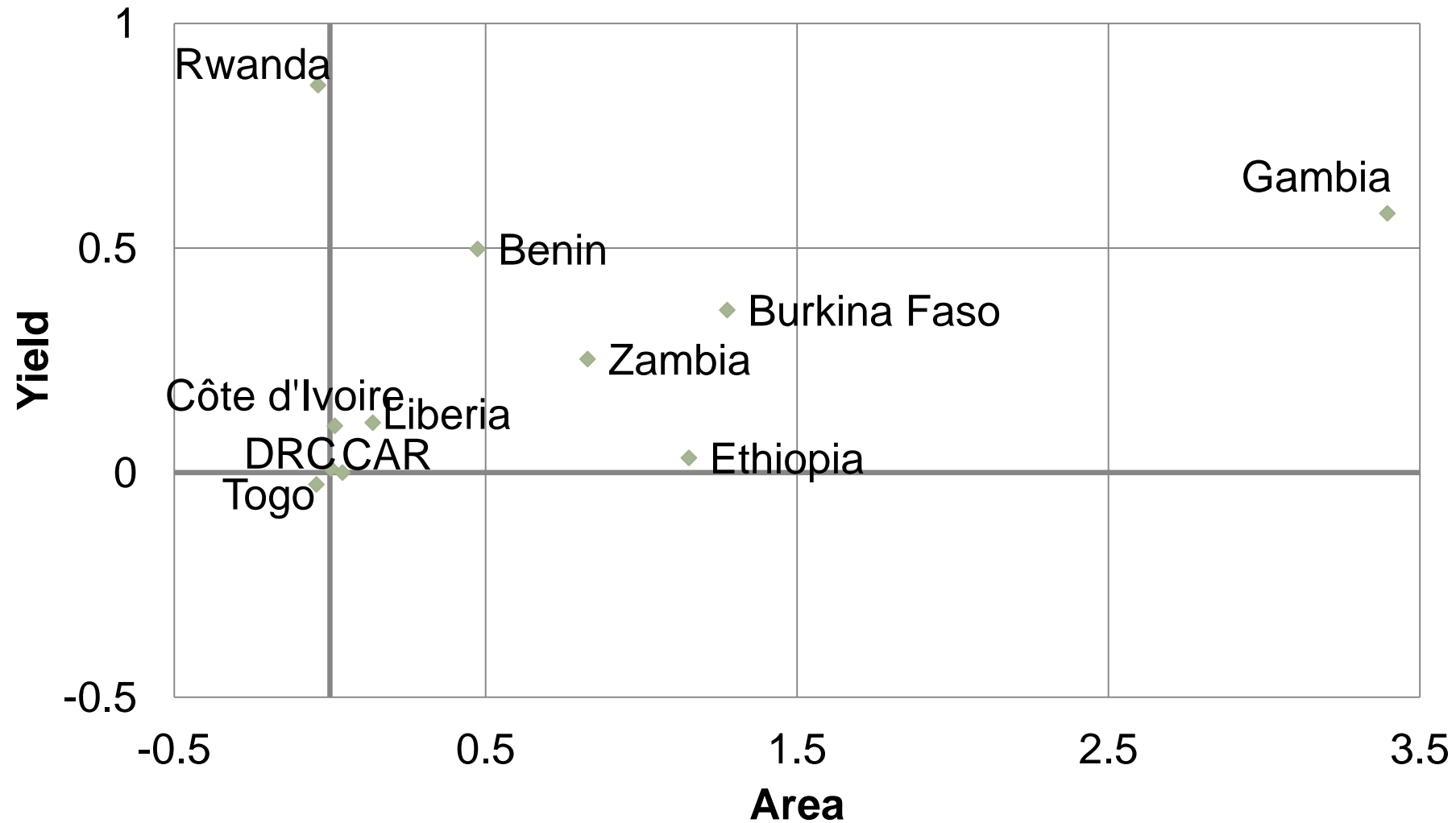


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# VARIATION OF AREA / YIELD

Second Group countries, '10/'08



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## **2. OVERVIEW OF NRDS IMPLEMENTATION ASSISTANCE FOR CARD COUNTRIES**



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# SOME STATISTICS ABOUT SOME ASSISTANCE TO CARD COUNTRIES

## Technical dissemination / human resource capacity

Country	Researchers	Technicians	Extension worker
Mozambique	11	23	85
Tanzania	37	428	69
Uganda	18	45	410
Kenya	8	10	
Rwanda	8	5	80
Guinea		5	320
Benin	28	78	20
Cameroun		100	
Ethiopia	10		



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# AGRA's Intervention in Rice Industry: Seed production, breeding, degree training, soil fertility improvement and creating market

Country	Breeding grants	Breeders trained	Seed Enterprises	Agro-dealers	Other activities
Nigeria	1	1	2	2,300	
Ghana	1	1	1	1,788	- Post harvest & market value chain
Mali	1 (3 rice varieties released)	1	3	800	
Liberia	1	1	1	0	
Sierra Leone	1	1	1		
Mozambique	2			0	
Kenya	1	1		3,100	
Uganda	1	1	4	1,980	Market value chain
Tanzania	1 (5 varieties released)	2	2	2,108	Fertilizer use - P/harvest & marketing
Ethiopia		1	1	0	
Rwanda		1		470	
<b>TOTAL</b>	10	11 (4 are PhDs)	17	10,758	

# SOME STATISTICS ABOUT SOME ASSISTANCE TO CARD COUNTRIES

## Irrigation / infrastructure – rehabilitation (ha)

Country	Irrigated	Rainfed lowland	Rainfed upland
Guinée		600 ha	
Kenya	8 900 ha		
Madagascar	9 000 ha		
Senegal	252 ha		



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# SOME STATISTICS ABOUT SOME ASSISTANCE TO CARD COUNTRIES

## Seed / human resource capacity

Pays	Breeders	Seed growers	retailers
Mozambique		11	
Tanzanie	62	30	2 108
Burundi		13	
Madagascar		60	145
Cameroun		120	
Guinee		85	
Nigeria	1	2	2 300
Ghana	1	1	1 788
Kenya	1		3 100
Ouganda	1	4	1 980
Mali	1	3	800



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# 3. SYNERGIES BETWEEN DEVELOPMENT PARTNERS



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# SOME SYNERGIES BETWEEN DEVELOPMENT PARTNERS

- *FAO/WFP* : Assistance for the production of rice (under P4P) in Sierra Leone
- *ASEAN/FAO* : Rice experts in ASEAN countries attend workshops to transfer knowledge and technologies (all CARD countries)
- *ICA/IRRI* : Extensive training for young researchers and core extensionists in Rwanda, Mozambique, Tanzania, Ouganda, Kenya, Rwanda
- *BAD/JICA/ARC* : Africa Rice Initiatives (Nerica seed multiplication in national systems/Capacity Development) in 11 CARD countries



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# SOME SYNERGIES BETWEEN DEVELOPMENT PARTNERS (suite)

- *IRRI/PhiRice/JICA* : Long season training for Young researchers and extensions officers in CARD Countries
- *FIDA/JICA* : Planning joint works on promotion of South to South Cooperation
- *JIRCAS/JICA* : Research/Capacity Development joint works on rice development in inland valleys in Ghana
- *USAID/JICA* : Collaborative works on Capacity Development in irrigation system in Tanzania
- *World Bank/JICA* : Collaborative works on rice productivity and irrigation development with Public-Private-Partnership in Ghana
- *FARA – IRRI et Africa Rice* : GRiSP implementation (2011)



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## 4. OTHER ILLUSTRATIONS OF AREAS OF ASSISTANCE TO CARD COUNTRIES



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# HUMAN RESOURCE CAPACITY

- Organization of international workshops where 9 countries presented their NRDS \_FAO
- Support to capacity development including on-going rice seed production projects in 5 countries (funded by Spain) \_FAO
- Training of more than 230 researchers, technicians and extension in 2011. 5 Ph.D. and 4 MSc students from 4 ESA countries - Close collaboration with 16 public and private sector groups\_IRRI
- Training program for junior researcher, technician, and extension officers (total 150 in CARD countries) started from June 2011, in collaboration with IRRI, PhilRice, and JICA.
- 10 758 agro-dealers trained in 7 CARD Countries \_AGRA



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# SEEDS

- Support to 7 breeding programs in 9 Countries (Nigeria, Mali, Liberia, Sierra Leone, Ouganda, Tanzanie, Mozambique and Malawi): 8 varieties released \_ Support more central and active role for private sector in seed production (produce and disseminate rice seed to farmers \_ 2 000 T in 2011)\_AGRA
- More than 2100 new breeding lines Tested in 2011\_IRRI
- 1 new variety released in Mozambique and 2 more ready for release in both Tanzania and Burundi.\_IRRI
- Rice breeding program focuses on specific mega-environments, while incorporating consumer preference and market demand. [US\$ 20 M].
- 54 research sites in eight countries in Eastern and Southern Africa.\_IRRI



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# TECHNICAL COOPERATION

- Rice related technical cooperation project started in Cameroon, Mozambique, and Uganda\_ JICA
- Rice related technical cooperation project related to post-harvesting started in Nigeria\_ JICA
- Preliminary joint works with partners on preparation for investment in irrigation project in Ghana (Accra Plain)\_ JICA
- Continuous implementation for South-South Cooperation (collaboration with Egypt, Philippine, Vietnam, Indonesia)\_ JICA



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# RESEARCH

- New five years mid-term plan launched since April 2011, accompanied by four research program pillars and 17 research projects \_ JIRCAS
  - Environment and Natural Resource Management
  - Stable Food Production
  - Rural Livelihood Improvement
  - Information Analysis
- Organization of Japan GRiSP (Global Rice Science Partnership) coordination committee with four major agricultural research institutes in October 2011\_ JIRCAS
- Conducting questionnaire surveys to 360 researchers nationwide on a) involvement in international research for rice sciences, and b) providing information on potential resources for CARD south-south cooperation \_ JIRCAS



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# ACCESS TO CREDIT AND MARKETING

- Project business to promote enterprise development (Benin). Commercial seed production project (Mozambique). Low cost production technology (Togo, Niger)\_FAO
- Marketing program for quality improvement in post-harvest handling (including rice milling). Support to small scale farmer's organizations in Tanzania.\_ AGRA
- Access to credit with reduced interest rate in Tanzania and Kenya \_AGRA
- Soil health program : reducing the cost of access to nitrogen through the agro-dealers system \_AGRA



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**THANK YOU FOR YOUR ATTENTION !**



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