

**Africa Task Force Meeting, Initiative for Policy Dialogue,
Pretoria, South Africa, 2009**

**Initiative of
the Coalition for African Rice Development
(CARD)**

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Contents of presentation

- Why rice?

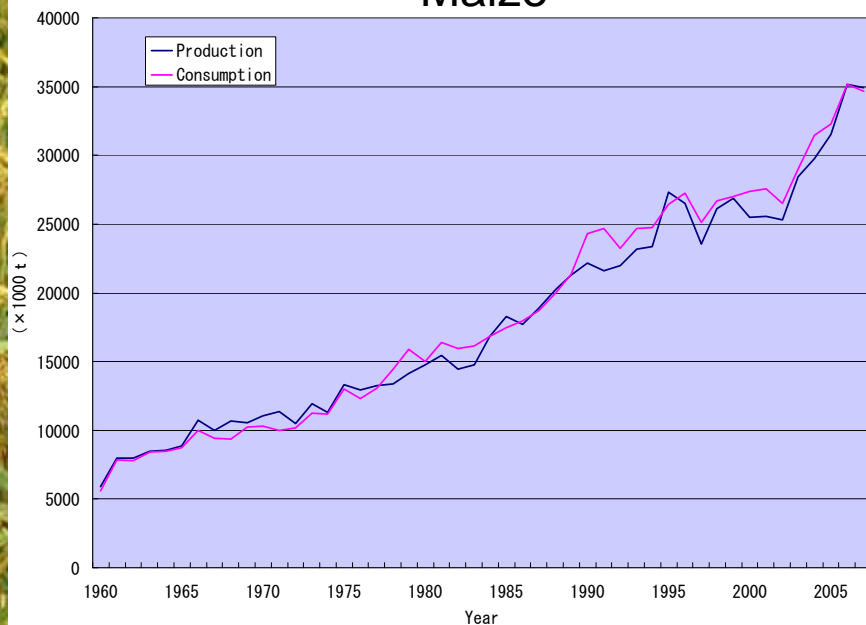
 - Justification for promotion of rice production in Africa

- Outline of CARD

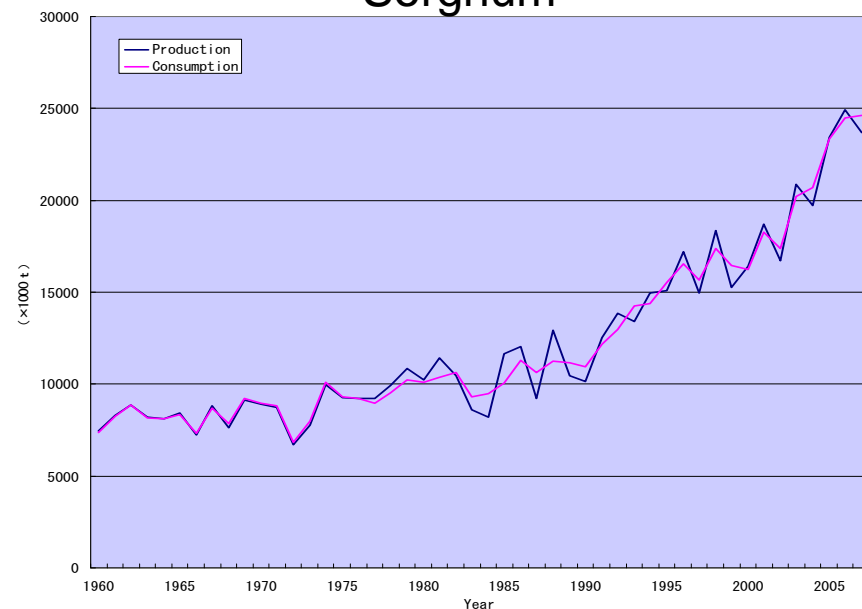
- Achievements and the way forward

1 Why rice?

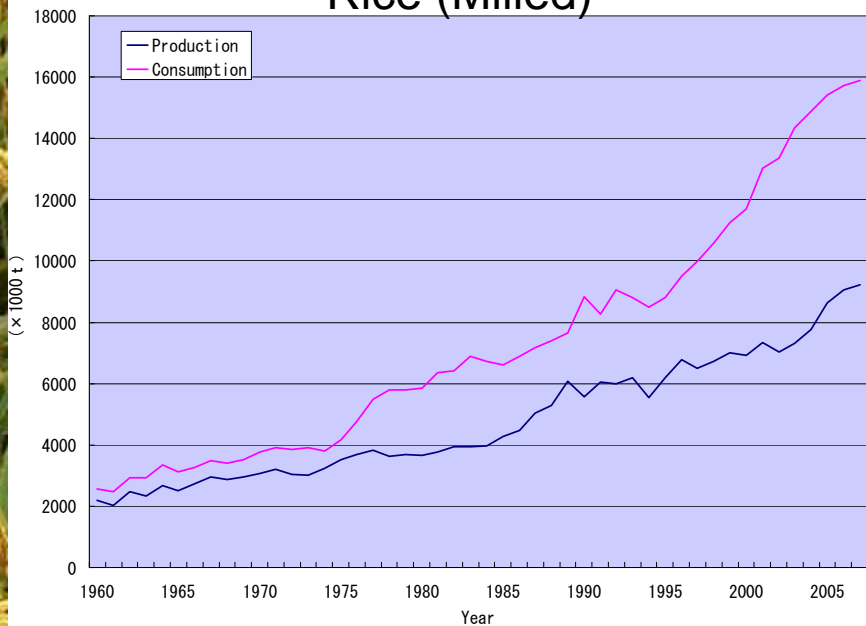
Maize



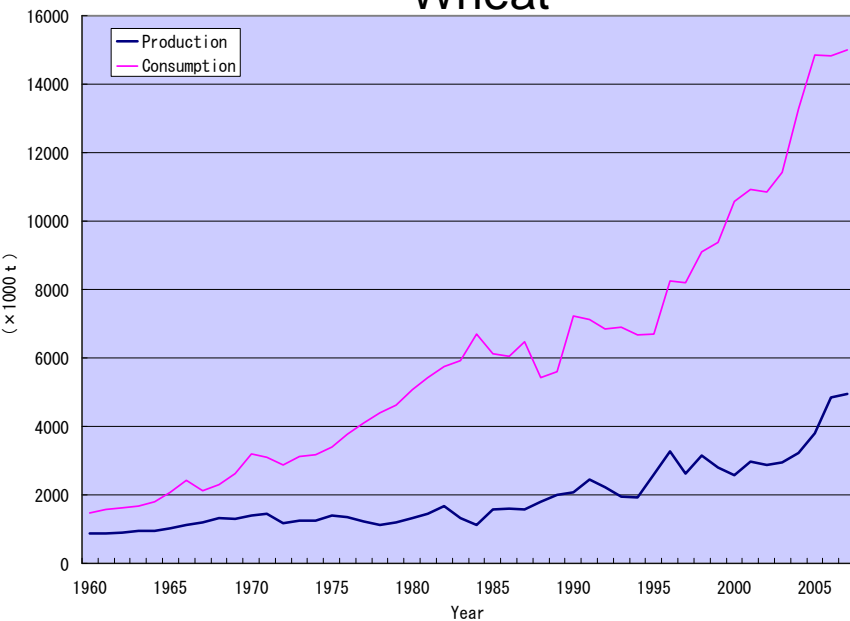
Sorghum



Rice (Milled)

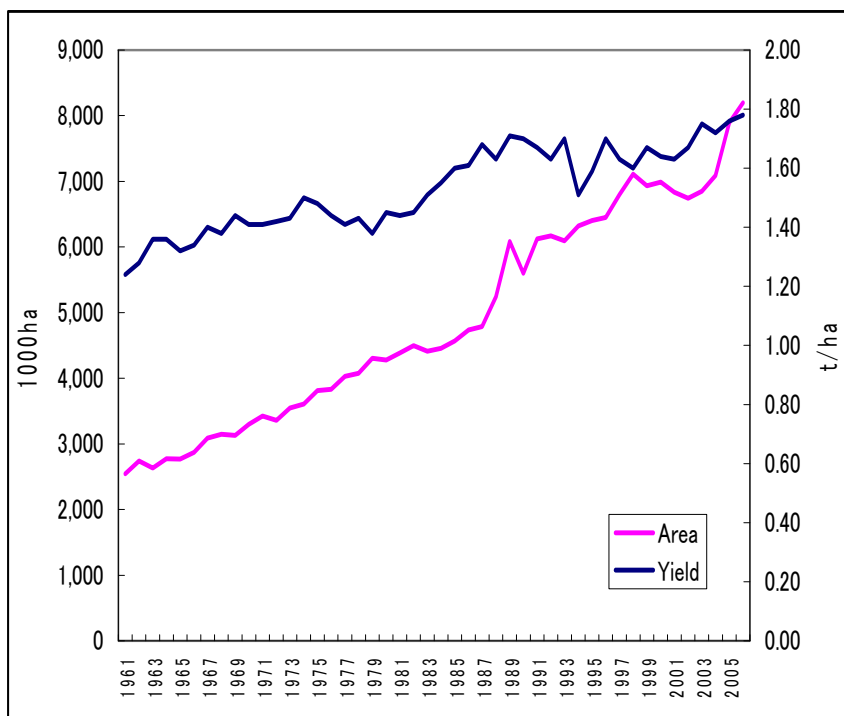


Wheat

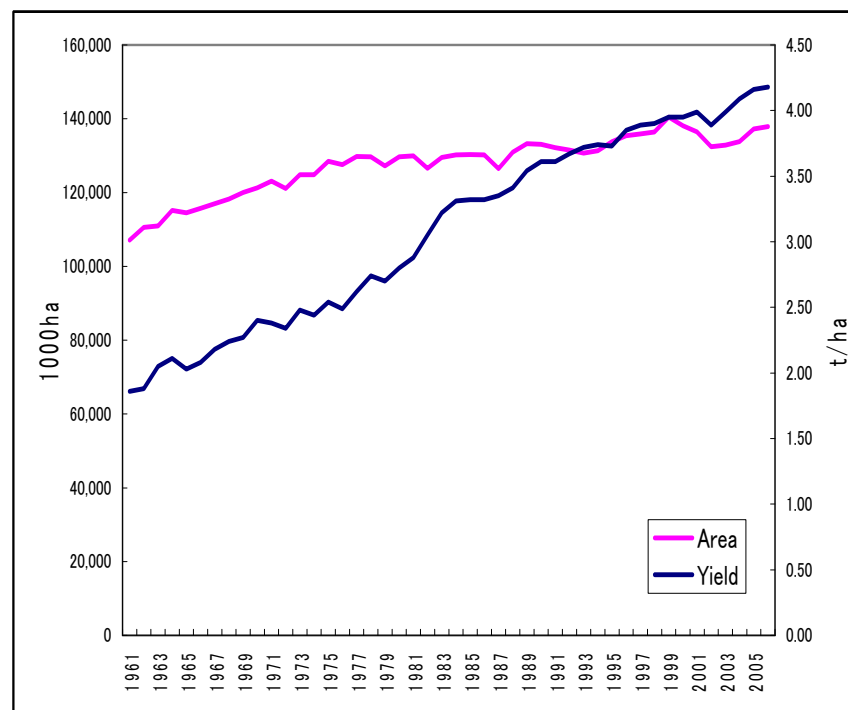


Potential for rice production increase

Area and yield per unit area of rice in Africa



Area and yield per unit area of rice in Asia



3.14 mil. t → 14.60 mil. t (+370%)

2.5 mil. ha → 8.2 mil. ha (+230%)

1.24 t/ha → 1.78 t/ha (+ 40%)

200 mil. t → 570 mil. t (+190%)

107 mil. ha → 137 mil. ha (+ 30%)

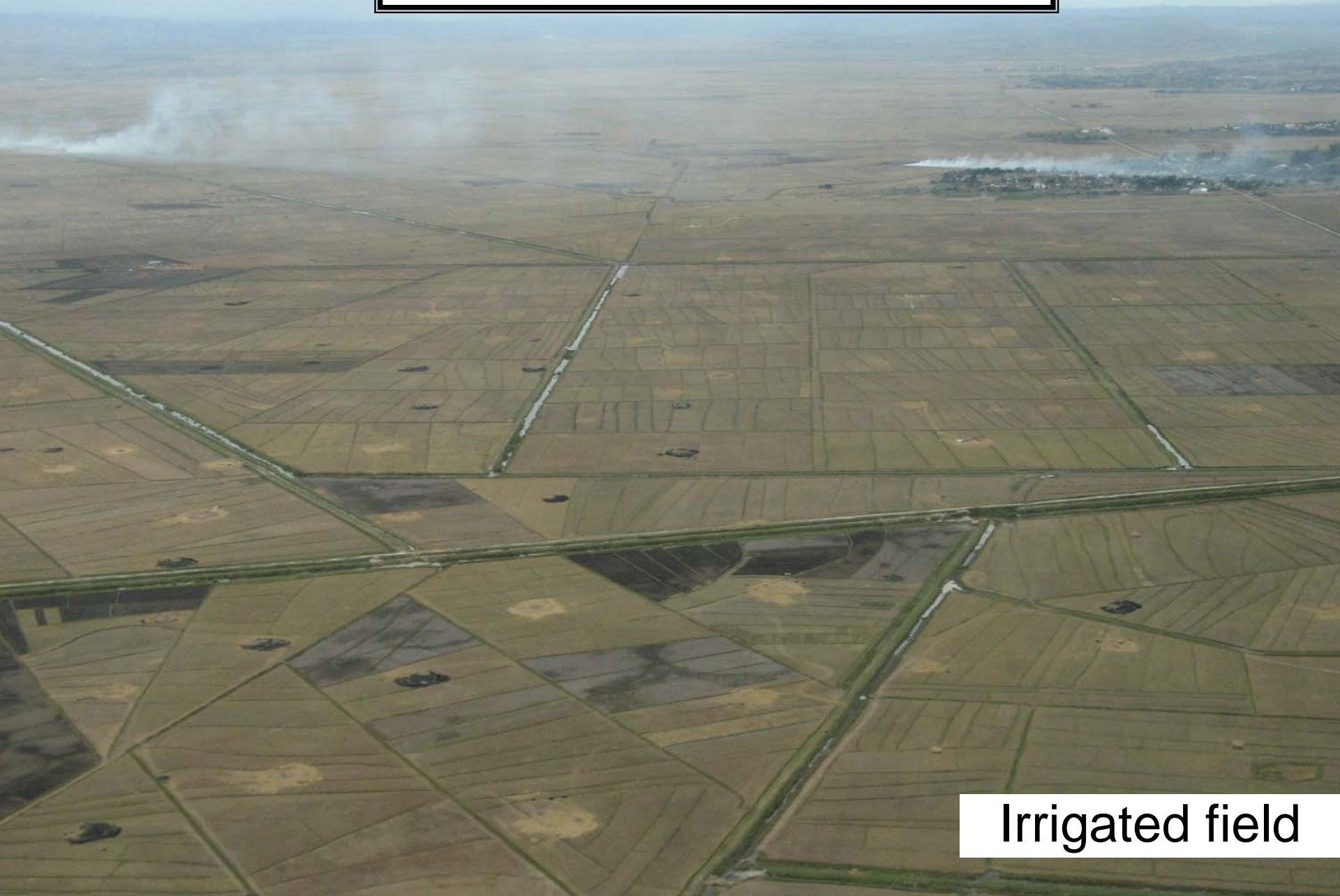
1.86 t/ha → 4.16 t/ha (+120%)



Factors for rice production increase

- Types of rice growing areas
 - Irrigated field
 - Rain-fed upland
 - Rain-fed lowland
- Rice growing technique
- Grain variety

Types of rice growing areas

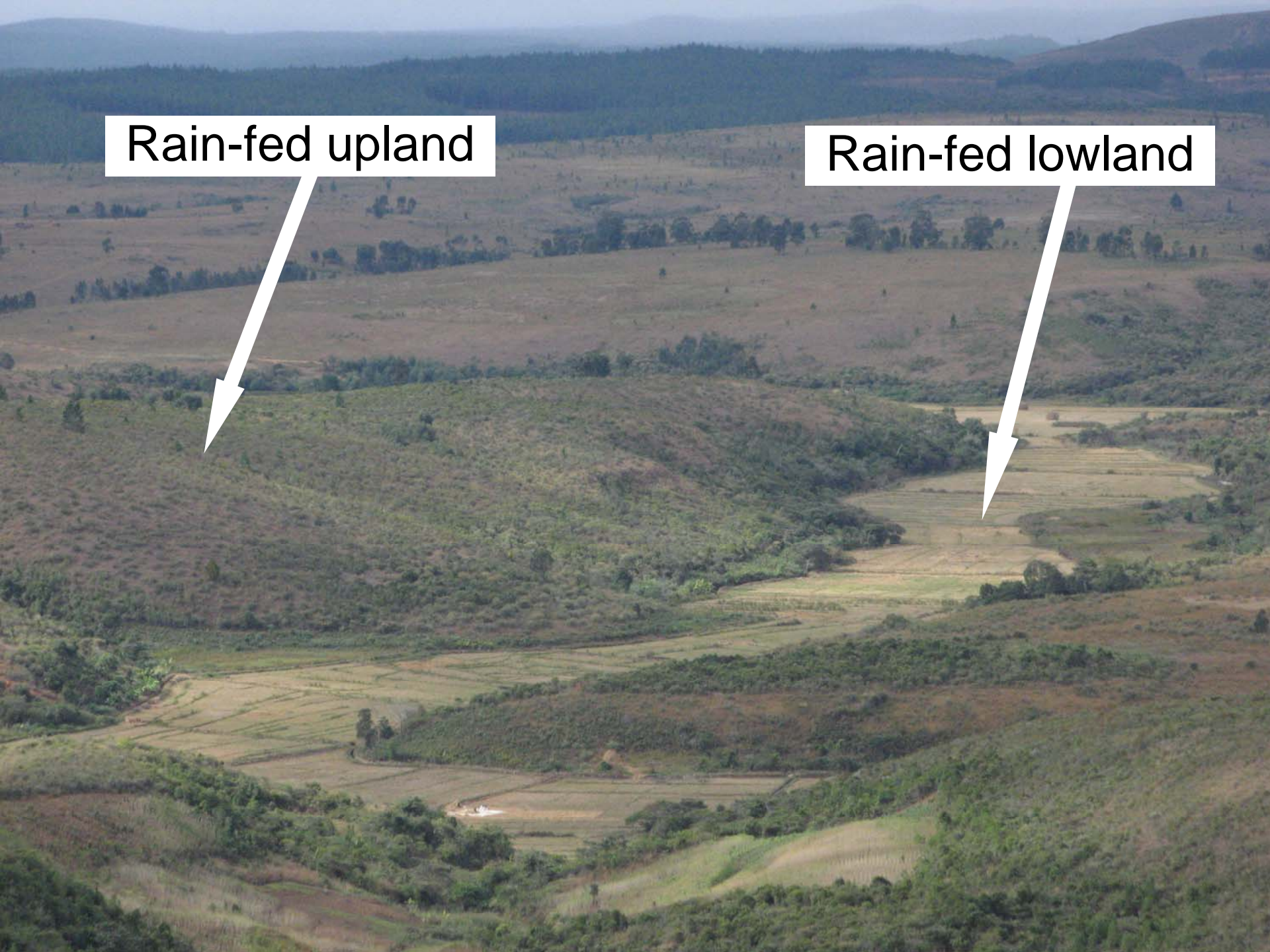


Irrigated field

Rain-fed upland



Rain-fed lowland



Introduction of basic rice farming techniques



Paddy field leveling



In-line planting



**Weeding by
handmade weeder**



**Handmade
threshing
equipment**



Selection of seed varieties

2 Outline of the Coalition for African Rice Development (CARD)

Goal of the Initiative

Double rice harvest within 10 years from the present production of 14 million tons to 28 million tons

Approaches classified by agro-ecology

Irrigated Field

Rehabilitation of Existing Irrigation Facilities, Strengthening of Water User's Association

Rainfed Lowland
Establishment of Rice Development Model

Rainfed Upland

Expanding of NERICA
Dissemination

Cameroon, Ghana, Guinea, Kenya, Madagascar, Mali, Mozambique, Nigeria, Senegal, Sierra Leone, Tanzania, Uganda

1st Group of countries for intervention

Implementation Framework

AfDB, AGRA, FAO, FARA, IFAD, IRRI, JICA, JIRCAS, NEPAD, WARDA, WB

Steering Committee

IWMI, UNDP, USAID, WFP, etc

Supporting Partners



Countries of CARD activities

1st Group

Cameroon, Ghana, Guinea, Kenya, Madagascar, Mali, Mozambique, Nigeria, Senegal, Sierra Leone, Tanzania and Uganda

2nd Group

Benin, Burkina Faso, Central Africa, Côte d'Ivoire, DR Congo, Liberia, Rwanda, Gambia and Togo



Approaches of CARD

» Approach by Agro-Ecology

CARD will promote rice farming according to three agro-ecological zones; irrigated field”, “rain-fed lowland” and “rain-fed upland”

» Value Chain Approach

CARD will promote the development of a rice value-chain, including post-harvest processing, marketing and trading

» Capacity Development Approach

CARD will promote and support training for researchers, extension officers and key farmers engaged in rice cultivation

» South-South Cooperation Approach

CARD will seek to utilize the know-how of Asian and other rice producing countries



Features of CARD

A CONSULTATIVE GROUP

of bilateral and multilateral donors and African and international institutions

Aims at
DOUBLING RICE PRODUCTION
in Sub-Sahara Africa
by 2017

Fully respects
AFRICAN OWNERSHIP AND LEADERSHIP
(i.e. CAADP)

COORDINATES AND HARMONIZES

donor interventions for efficient and effective investment

Facilitates
NEEDS RESOURCE MATICHNG
of African rice-producing countries

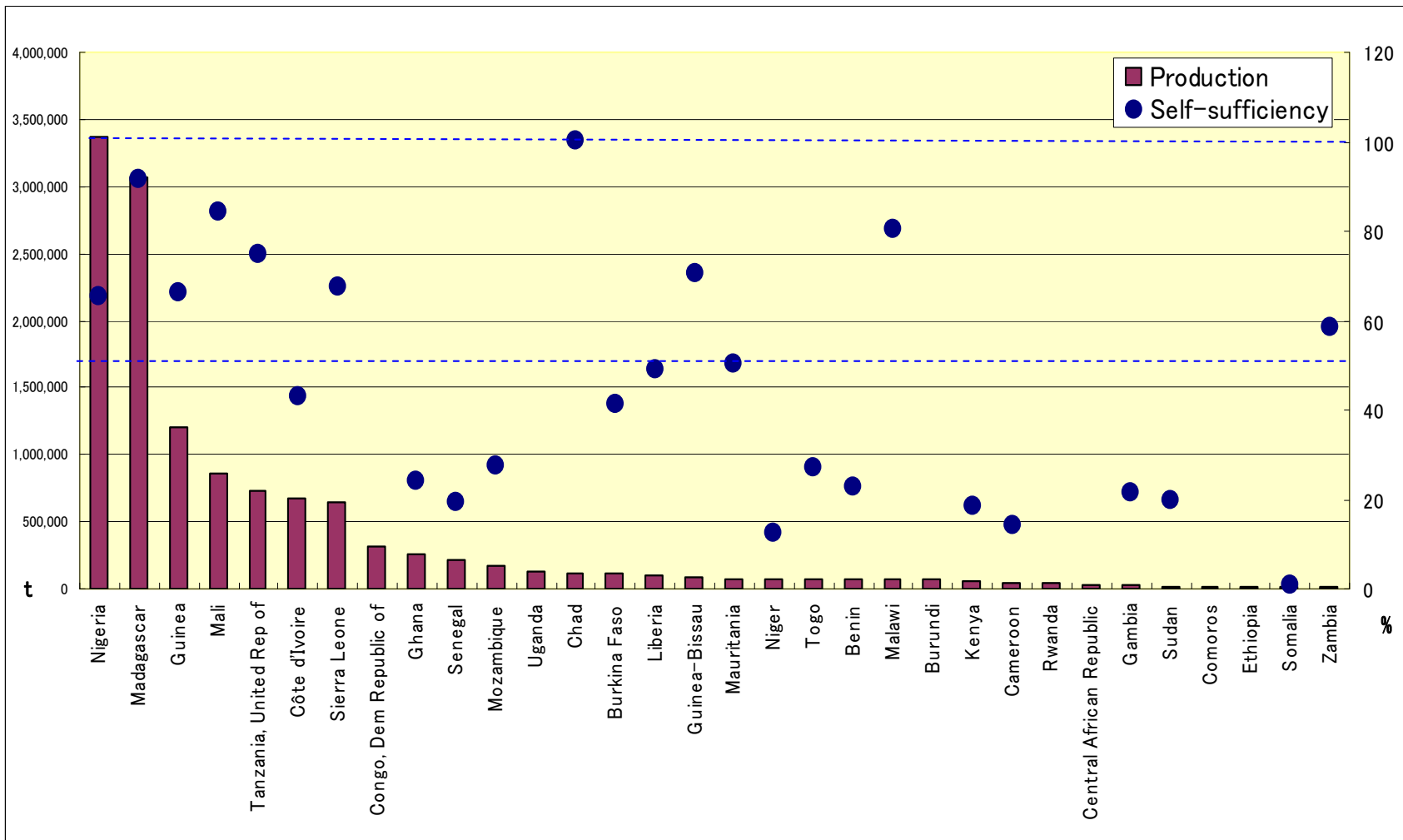
NOT A FUNDING MECHANISM

Production increase scenario by agro-ecological zones

	Agro-ecology								
	Irrigated field			Rain-fed lowland			Rain-fed upland		
Year	1 Cultivated land area (ha)	2 Yield per unit area (t)	3 Production (1x2) (t)	4 Cultivated land area (ha)	5 Yield per unit area (t/ha)	6 Production (3x4) (t)	7 Cultivated land area (ha)	8 Yield per unit area (t/ha)	9 Production (7x8) (t)
2002/06 (average)	1,460,000	3.40	4,964,000	3,120,000	1.94	6,052,800	2,760,000	1.17	3,229,200
2017	1,730,000	5.00	8,650,000	5,000,000	2.90	14,500,000	3,000,000	1.80	5,400,000
Increase	x 1.17	x 1.47	x 1.74	x 1.60	x 1.50	x 2.40	x 1.09	x 1.54	x 1.67

Grand total			
Year	10. Cultivated land area (1+4+7) (ha)	11 Yield per unit area (12/10) (t/ha)	12. Production (3+6+9) (t)
2002/06 (average)	7,340,000	1.94	14,246,000
2017	9,730,000	2.93	28,550,000
Increase	x 1.33	x 1.51	x 2.00

Production and Self-sufficiency Rate of Rice in Africa



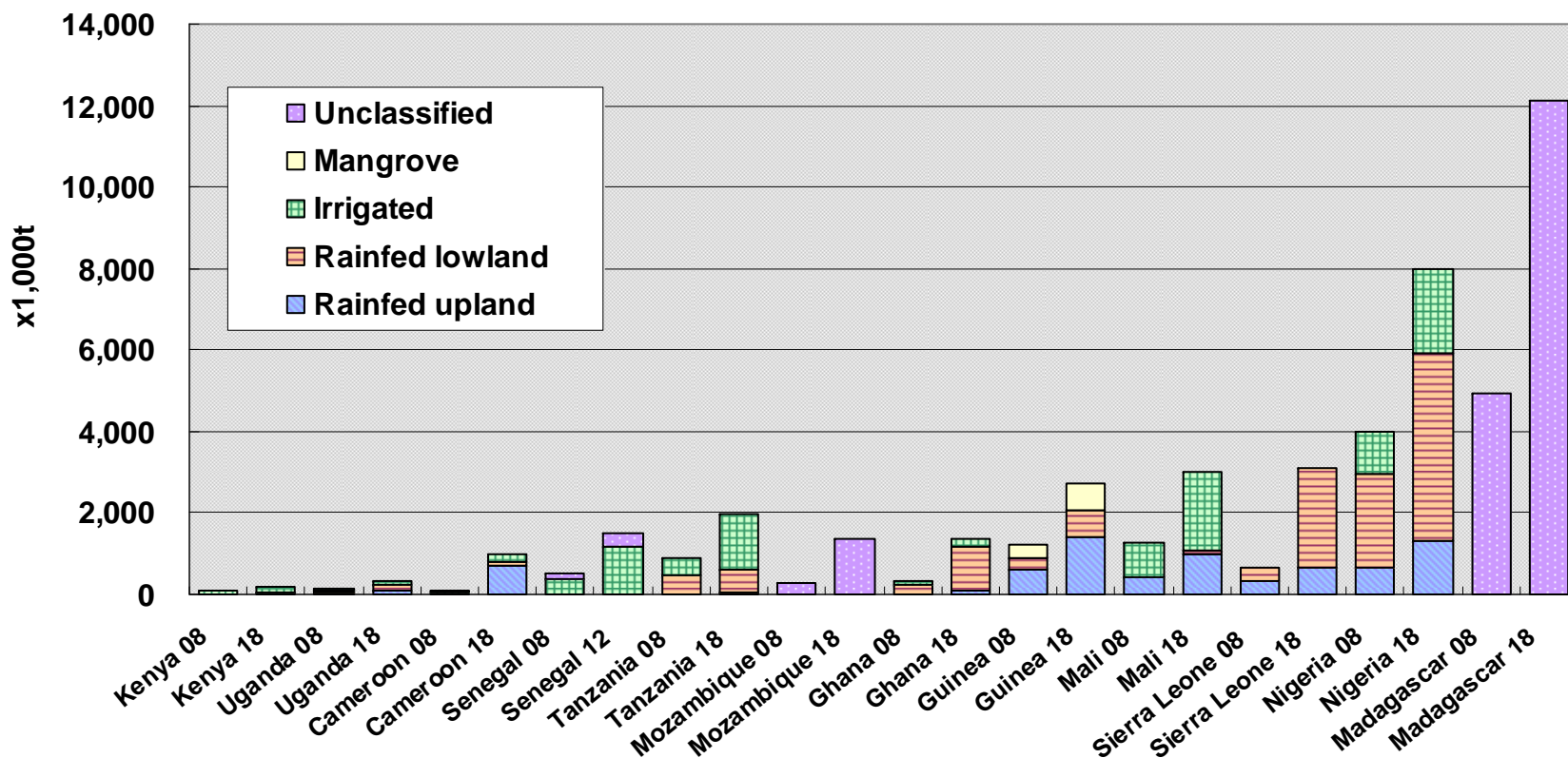


3 Achievements and the way forward

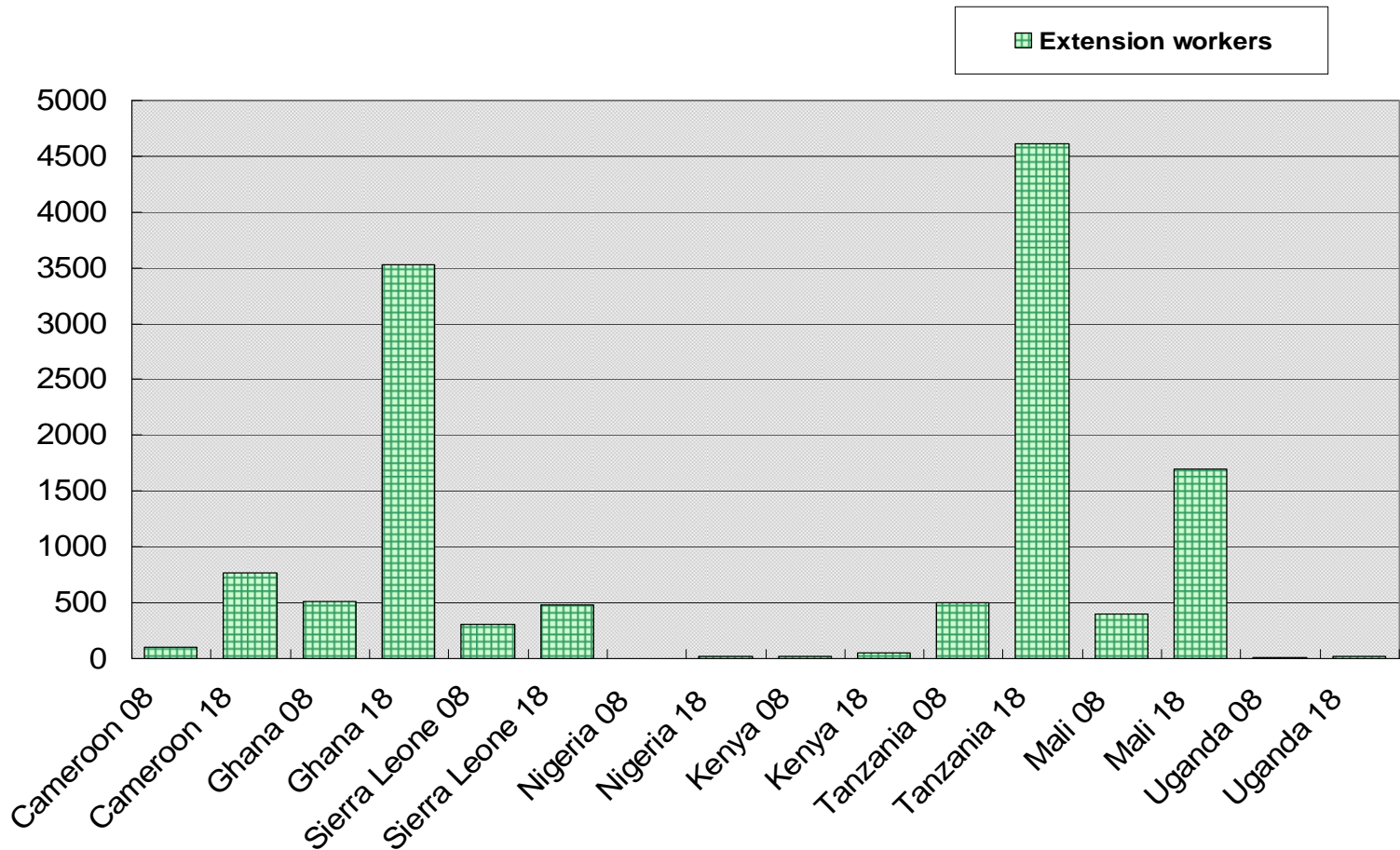
Preparation of National Rice Development Strategies (NRDS)

- Review of the national rice sector
- Challenges and opportunities
- Priority areas and approaches
- Vision and scope of NRDS
- Strategies for rice sub-sector

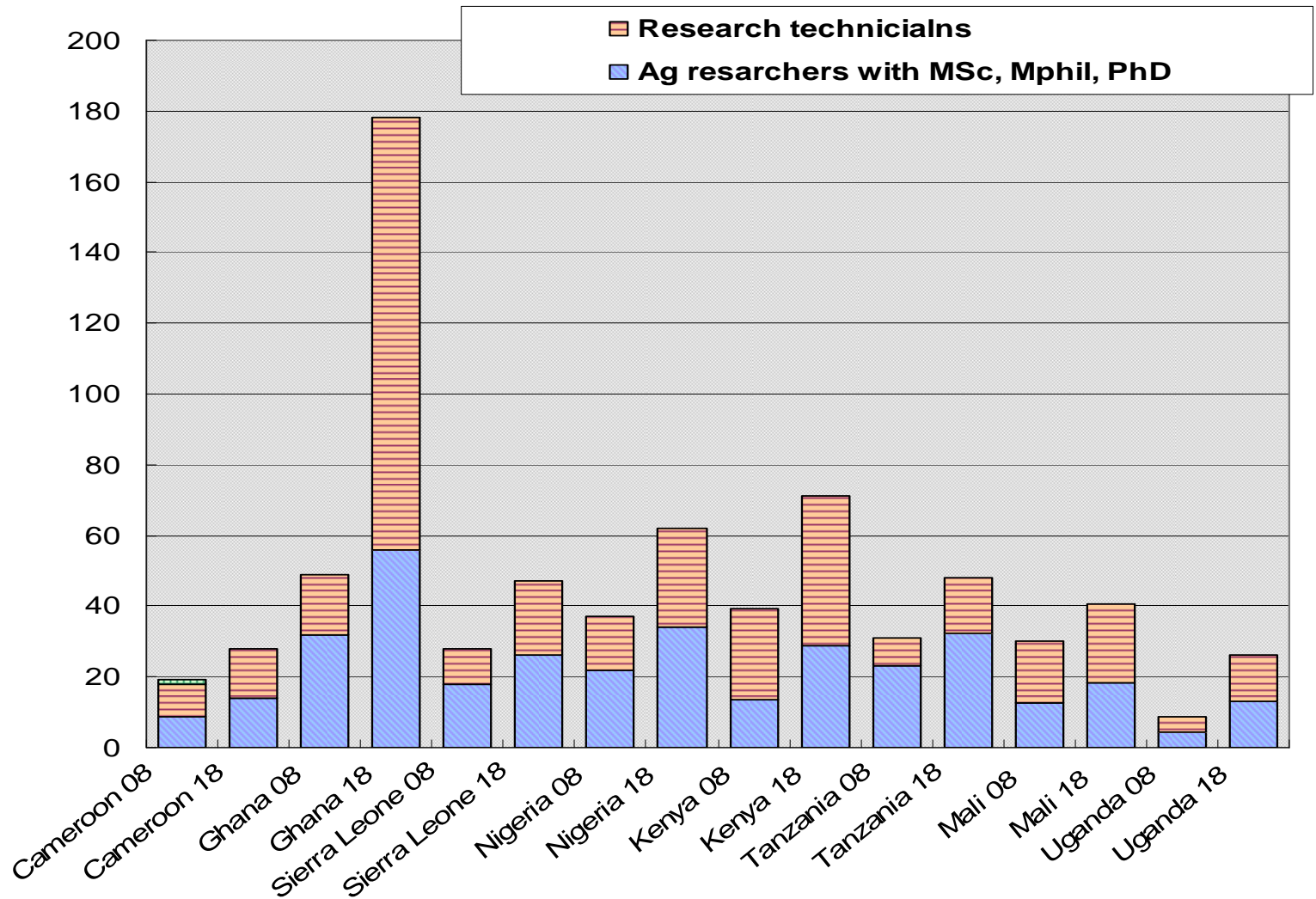
Production target as expressed in NRDS



Target number of extension workers as expressed in NRDS



Target number of researchers and research technicians as expressed in NRDS



Rice Related and Rice Centered Projects

Country Name	Total number of rice related project (A)	Number of rice centered project (B)	Ratio of rice centered project (B)/(A)
Cameroon	11	5	45 %
Ghana	14	11	79 %
Guinea	23	15	65 %
Kenya	16	10	63 %
Madagascar	37	20	54 %
Mali	44	23	52 %
Mozambique	17	7	41 %
Nigeria	19	11	58 %
Senegal	29	19	66 %
Sierra Leone	14	7	50 %
Tanzania	9	7	78 %
Uganda	17	7	41 %
Regional	18	10	56 %
Total	268	152	57 %

An Example of Working Paper Format: Matching between Strategic Needs in NRDS and On-going Aid programmes

		Policy/Institutions	Infrastructure	Agricultural inputs	Capacity development	Rice Research
General		<p>PR4-1&2. conduct baseline survey & develop M/P & A/P</p> <p>PR10-4. facilitate access of credit for all activities</p>		<p>- Repackaging of fertilizer into appropriate smaller packages to ensure easy access</p> <p>- facilitate the supply and maintenance of equipments through PPP</p>	<p>PR1-1. CD of farmers through formulation of FBOs for advocacy to the designing of a food security</p> <p>PR1-2. CD of MoFA executives in policy making</p>	<p>PR7-4. Adaptive research & surveys</p> <p>PR14-1. rice seed production</p>
Seed production & dissemination		<p>- amendment of the national seed law</p> <p>- overseeing the production of certified seed by the private sector & farmer seed growers</p>	<p>- Rehabilitation of existing & provision of new infrastructure such as cold storage, warehouses haulgae</p>	<p>- Establish quality control & testing facilities for quality assurance.</p> <p>PR6-1. NERICA dissemination</p>	<p>- development of human capacity for breeding & seed certification</p> <p>PR13-2. select suitable varieties & improve cultivation techniques</p>	<p>- for public institutions to provide varietal release, quality control & certification mechanism</p> <p>PR5-1. improve drought tolerance of rice</p> <p>PR7-2. Credit for crop development</p>
Rice growing	Irrigated	<p>- Water measuring devices for improved usage</p> <p>PR3-1 & 2. Establish legal system for farmer participation in irrigation system management</p> <p>PR8-1. improve GIDA's efficiency &</p>	<p>- Irrigation & water control investment</p> <p>PR8-3. develop Small-scale irrigation & water conservation schemes</p> <p>PR9-3. develop Small-scale irrigation</p>	<p>PR13-1. establish the construction method of farmland & simple irrigation facilities</p>	<p>- develop skills of technicians to mobilize farmers to participate in the development & maintenance of water control structure</p> <p>PR8-2. Training: farmers, extension agents</p>	<p>PR3-3. CD of GIDA staff for planning & implementation of the training on irrigated</p>

JICA's Rice-related Technical Cooperation Projects and the 1st group of countries for CARD

Senegal
 (T) Project on Improvement of Productivity of Village Irrigation Scheme in the Valley of Senegal (plan, the date of start has not yet been fixed)
 (G) Irrigation program for the area in establishment of Podor (Plan)

Uganda
 (T) NERICA Dissemination Project
 (T) Sustainable irrigated Agriculture Development Project in Eastern Uganda
 (G) Assistance to Establish the Regional NERICA Rice Research and Training Center at National Crop Resource Institute

Mali, Burkina Faso, Nigeria, Cameroun
 Preparation study for cooperation will be implemented (2009.7)

Kenya
 (L) Irrigation Project in Muea (Plan)

Guinea
 (T) Development Study for Sustainable Rural Development in Middle and Upper Guinea(2008.7-2011.6)

Tanzania
 (T) Technical Cooperation for Supporting Service Delivery System of Irrigated Agriculture (2007.6-2012.6)
 (T) Sub-Programme for Formulation and Training of the prefecture guidelines on Irrigation Scheme Development (2007.2-2010.1)

Sierra Leone
 (T) Agricultural Development Project in Kambia District (2009.7-2013.4 Plan)

Madagascar
 (T) Project for rice productivity improvement(2009.1-2014.1)
 (G) Project for the Improvement of the Irrigation facility in South West of Lake Aloatra (Plan)
 (L) Management and Irrigation of South West of Lake Aloatra (Plan)

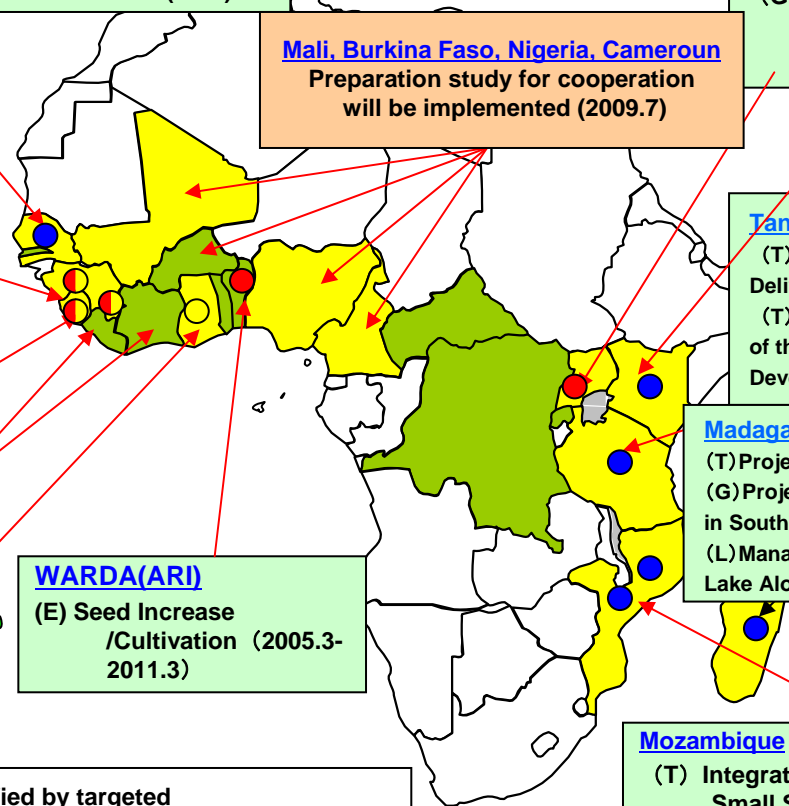
Liberia/Côte d'Ivoire
 Making of project for a large region will be implemented with World Bank (2009.6~)

WARDA(ARI)
 (E) Seed Increase /Cultivation (2005.3-2011.3)

Ghana
 (T) Project for Sustainable Development of Rainfed Lowland Rice Production (2009.7-2014.6)

Mozambique
 (T) Integrated Agricultural Development Project for Small Scale Farmers in Chokwe Irrigation scheme (2007.3-2010.3)
 (T) Reactivation of Rice Production in Nante, Zambezia Province(2010-2013,Plan)

Type of technical cooperation projects classified by targeted Rice production system : Irrigation Reinfed lowland ● Reinfed upland
 1st Group of countries for CARD ■
 2nd group of countries for CADR ■
 Cooperation Scheme : (T) Technical Cooperation (G) Grant Aid (L) ODA Loan (E) Individual Expert





Thank you for listening

08/09/2005

