

Review of the 1st Phase of CARD Observation by SC members

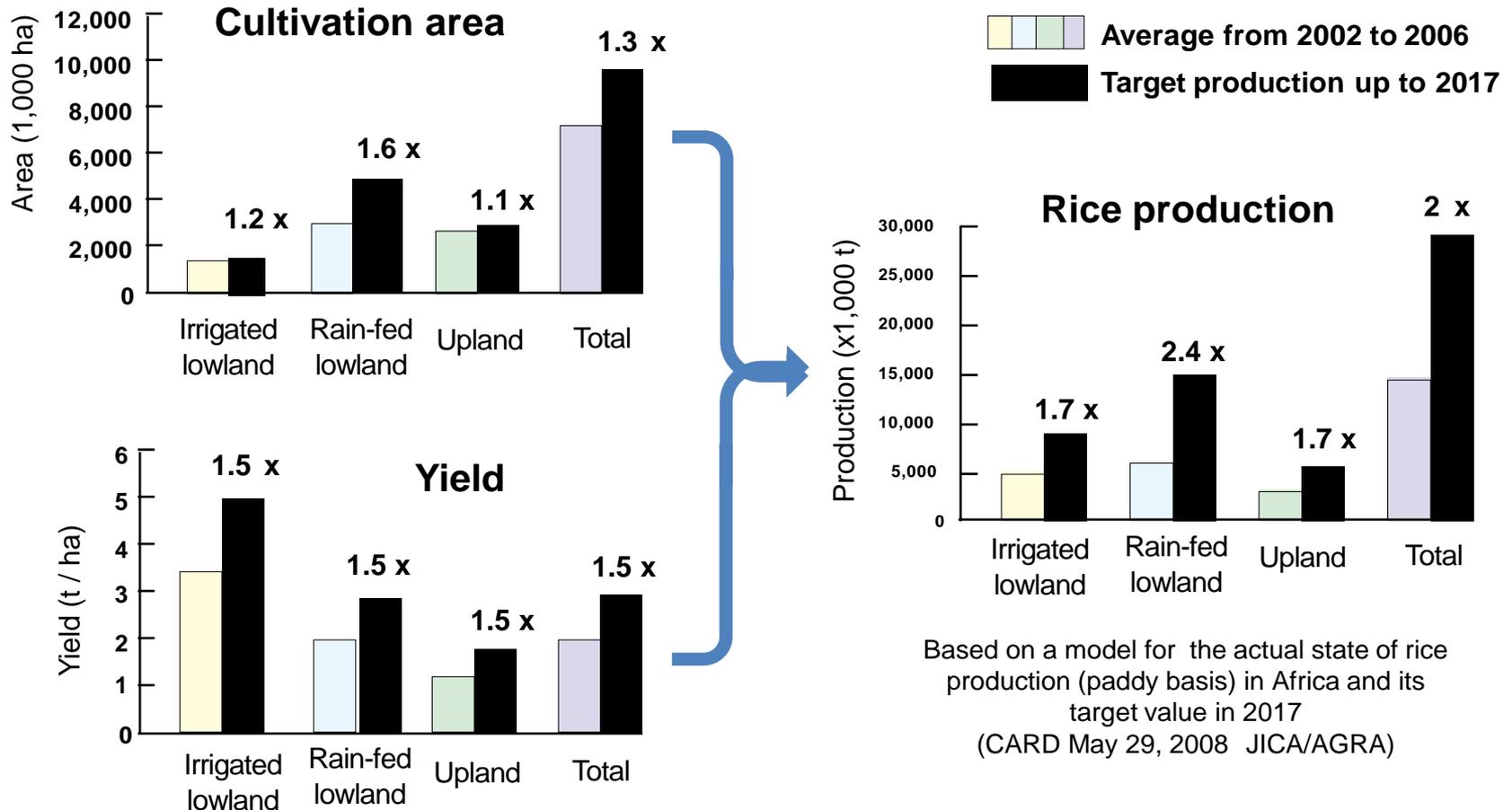
Japan International Research Center for Agricultural Sciences

Masa Iwanaga

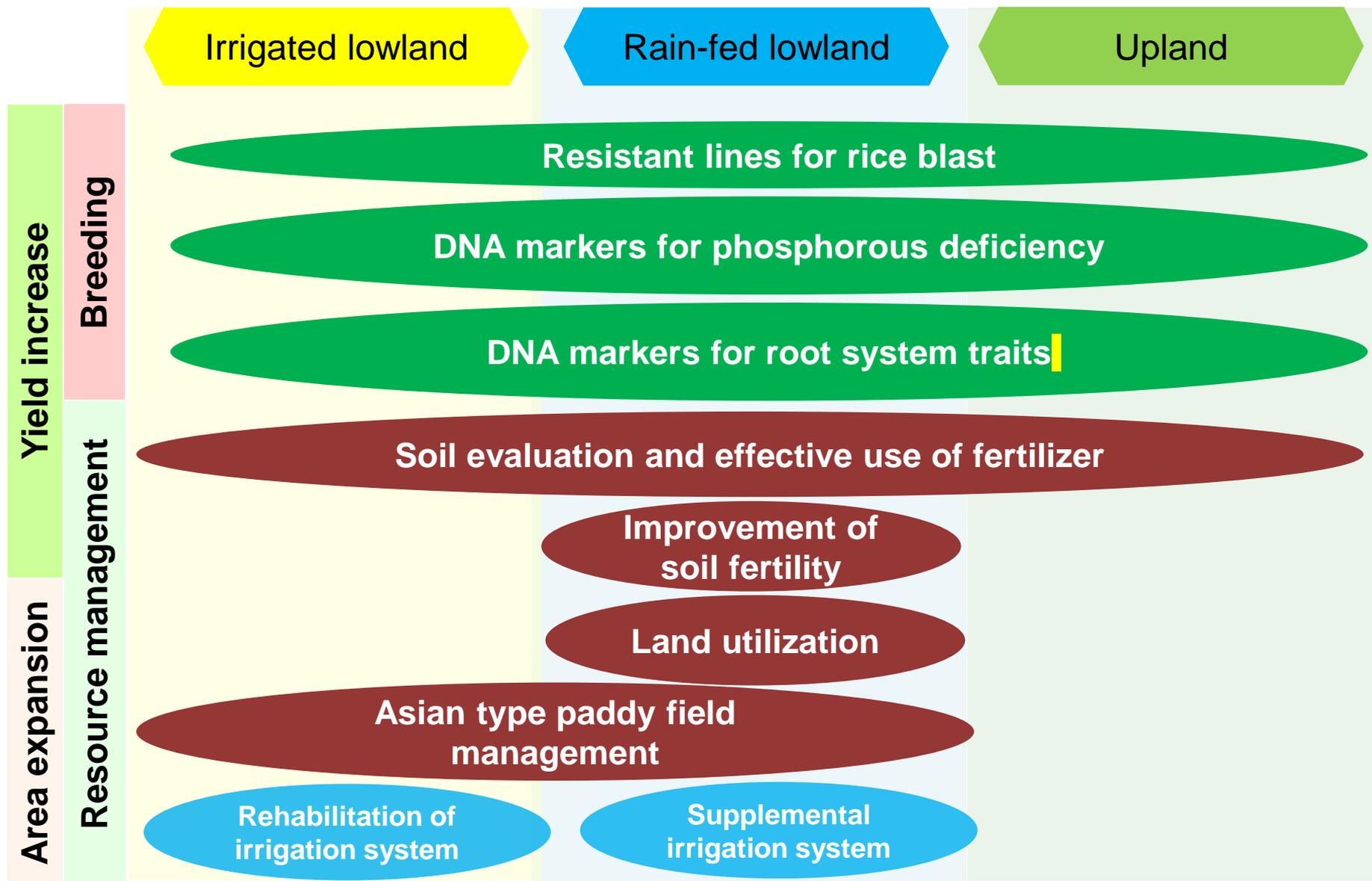


Towards increasing rice production in Africa

Rice production targeted by CARD (2008)



Towards increasing rice production in Africa





JIRCAS partnerships

Bilateral

Rice research partners in Africa

- AfricaRice
- Ghana
CSIR-SARI, UDS, MOFA
- Madagascar
MINAE, UA, FOFIFA, LRI, ONN
- Tanzania
NID, ATC, KATC, SARI
- Burkina Faso
INERA



and more ----

Multilateral

RICE CRP
Under CGIAR



AfricaRice

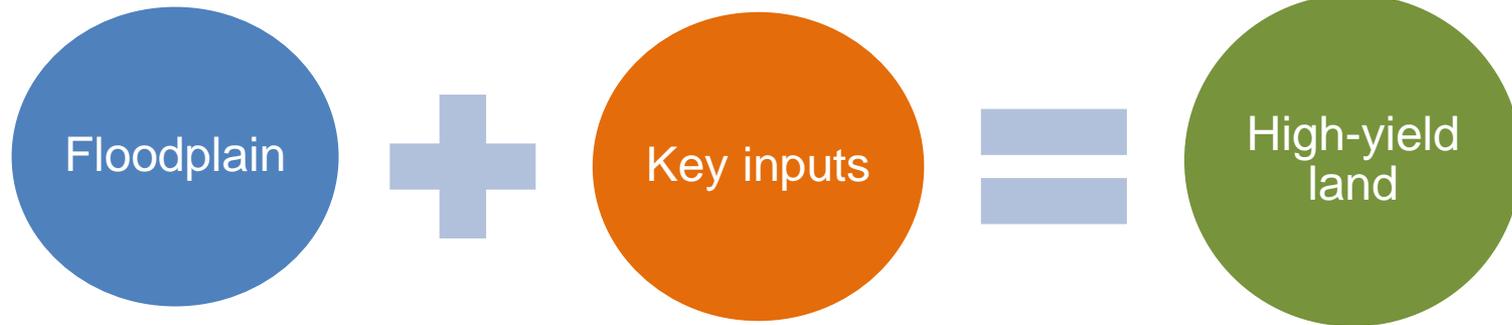


International Center for Tropical Agriculture
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Utilization of idle floodplains for rice production

Unutilized floodplain ecosystem is a potential high-yielding land resource which requires little infrastructure input.



20 million ha in West Africa



Control NPK NPK+S

Identification of key nutrients

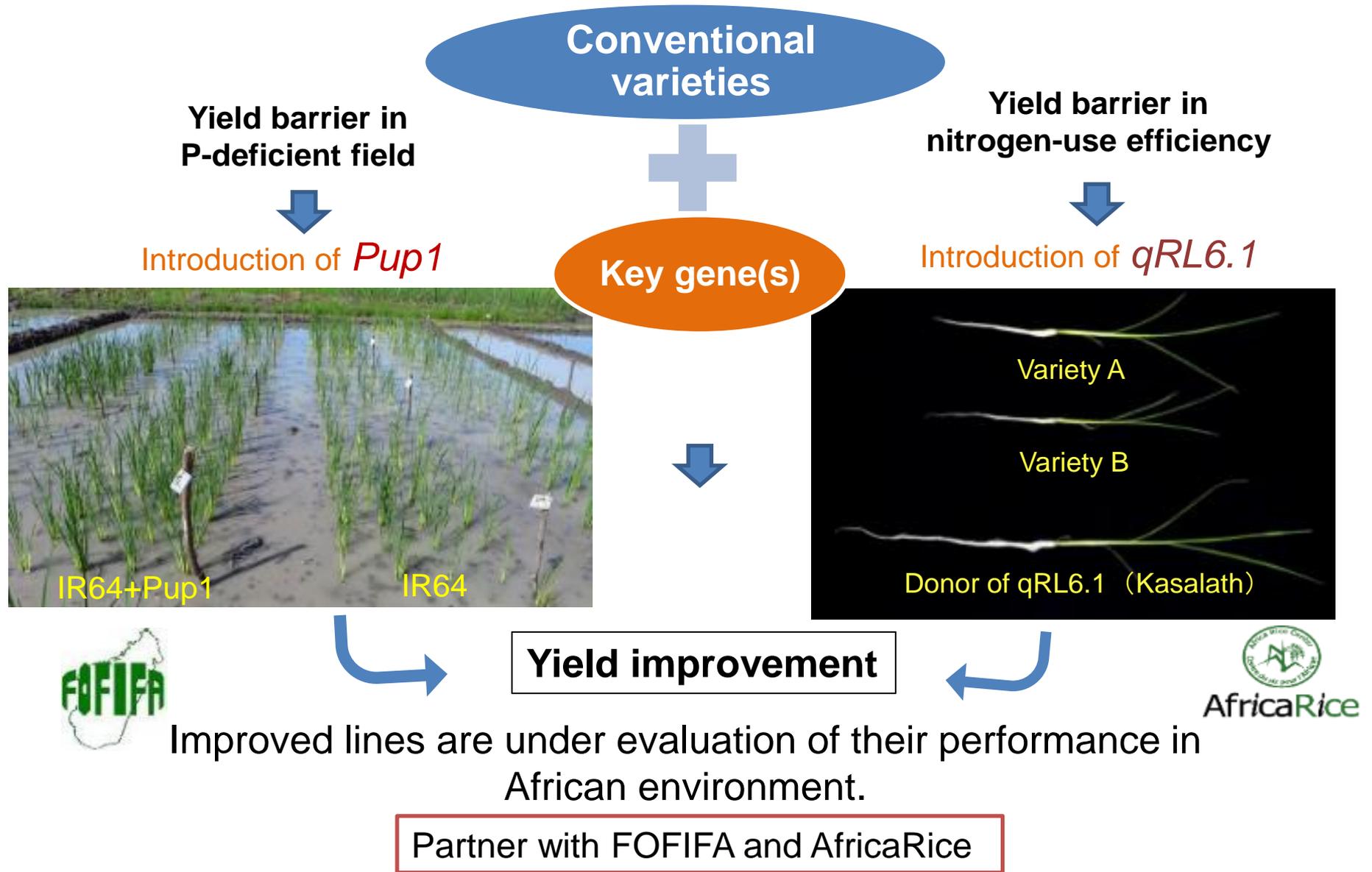


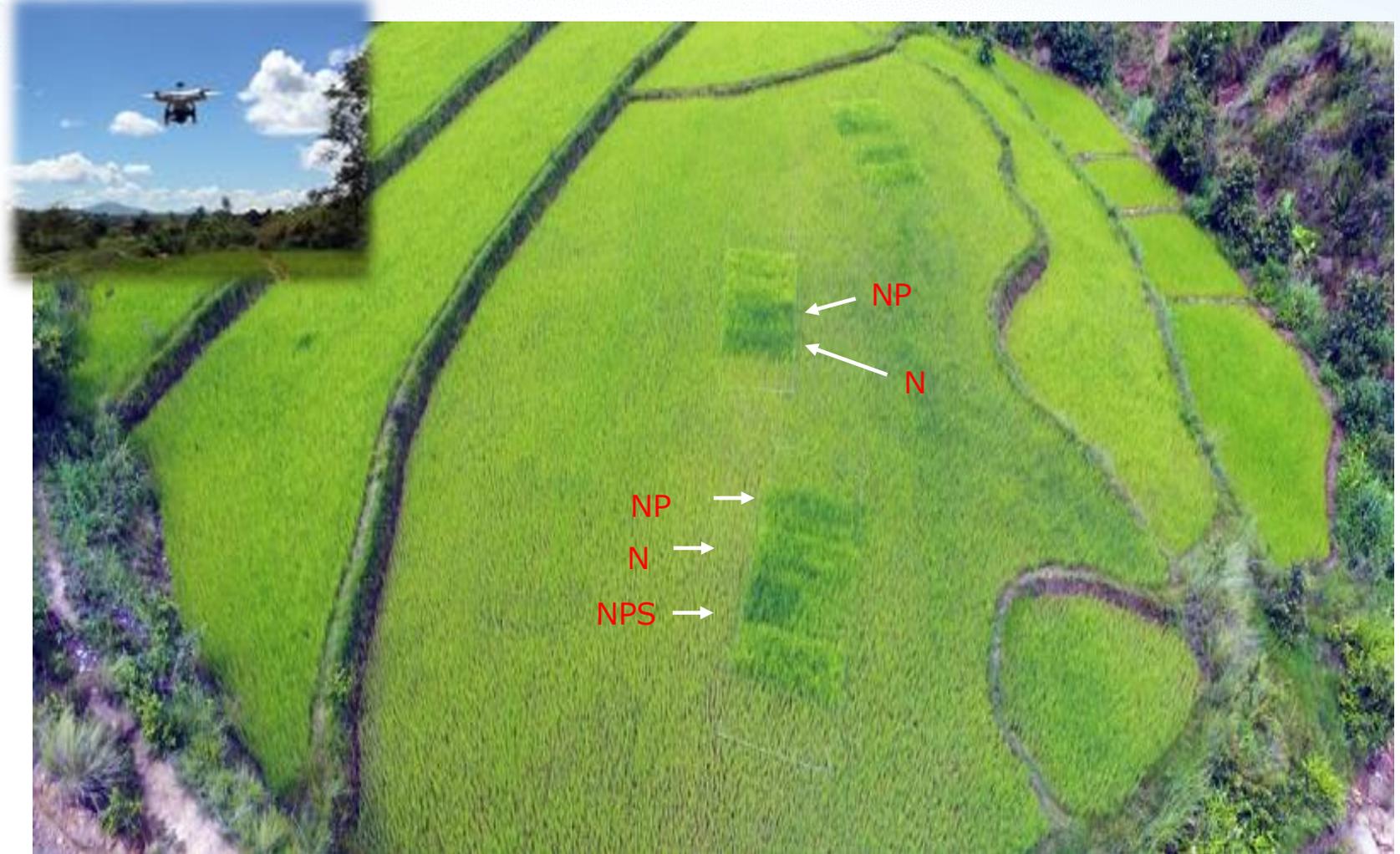
Field trials showed empirical evidence for high yields (average of 3.2 to 4.0 t ha⁻¹) with sulfur (S) application.

Partner with CSIR-SARI



Yield improvement through breeding

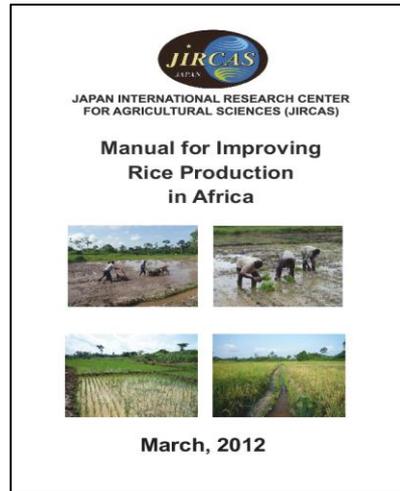




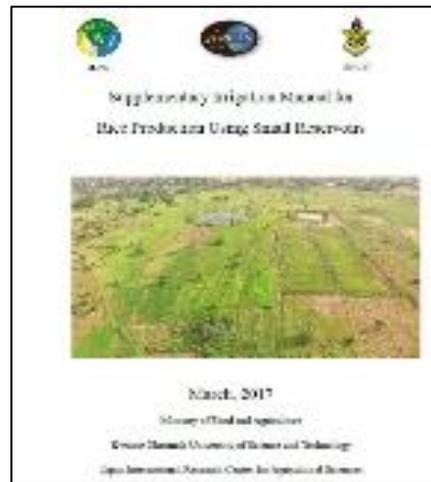
Nutrient evaluation in a farmer's field in Madagascar

Manuals for improving rice yield potential

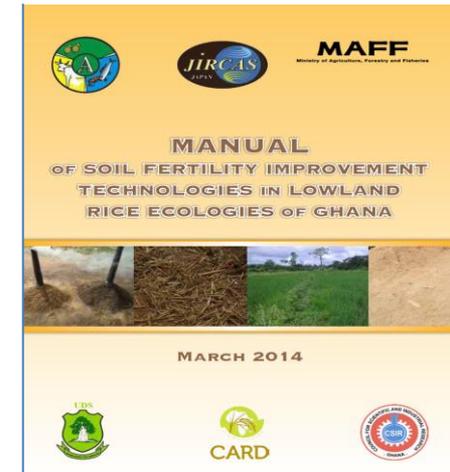
Manuals for field preparation, water usage and management, and soil management



Manual for Asian type paddy field equipped with water storing levee and practices such as plowing, paddling and transplanting



Supplementary irrigation manual for rice production using small reservoirs channeling excess water to rice irrigation



Manual for low-cost soil fertility improvement using local resources such as rice straw, poultry manure, composts (cow dung, rice straw, saw dust) and phosphate rocks

Partner with CSIR-SARI, UDS, MOFA



(with support from MAFF, Japan)

1st phase: Evaluation by JIRCAS

Major values of CARD	Merits for technical institutions like JIRCAS	Improvements necessary for 2 nd phase
Crop-based development initiative	<ul style="list-style-type: none"> • “Rice family” cooperation was fostered. • Clear and inspiring objectives were set. 	<ul style="list-style-type: none"> • Wider collaboration is needed for improving markets, inputs, cropping system, etc.
Coalition among funding, development and technical institutions	<ul style="list-style-type: none"> • Participation in updated development policy dialogue was enhanced. • Role of technology was highlighted. 	<ul style="list-style-type: none"> • This unique coalition should be enhanced further.
Existence of political commitment (TICAD)	<ul style="list-style-type: none"> • Provision of support from local governments was facilitated. • Priority was given to rice (e.g., financial support). 	<ul style="list-style-type: none"> • Further visibility should be widely pursued.

1st phase: Evaluation by JIRCAS (cont.)

Major values of CARD	Merits for technical institutions like JIRCAS	Improvements necessary for 2 nd phase
National policy framework (NRDS)	<ul style="list-style-type: none"> • Common understanding on technical issues were shared among policy makers (e.g., seeds, mechanization ...). 	<ul style="list-style-type: none"> • Authoritative status can be improved. • M&E should be set onset.
Agro-ecological approach (upland, rainfed and irrigated)	<ul style="list-style-type: none"> • Clear ideas for technical/research targets were provided. 	<ul style="list-style-type: none"> • Production/resource statistics should be improved.
Emphasis on capacity building	<ul style="list-style-type: none"> • Roles of technical and research institutions were highlighted. • Asian experiences were widely shared including S-S collaboration. 	<ul style="list-style-type: none"> • Institutional and human capacity should be further strengthened.

Thank you for your kind attention.

