

GRiSP-Africa Overview

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Africa Rice Center (AfricaRice)

CARD fourth General Meeting
Kampala, Uganda, 8-9 November 2011

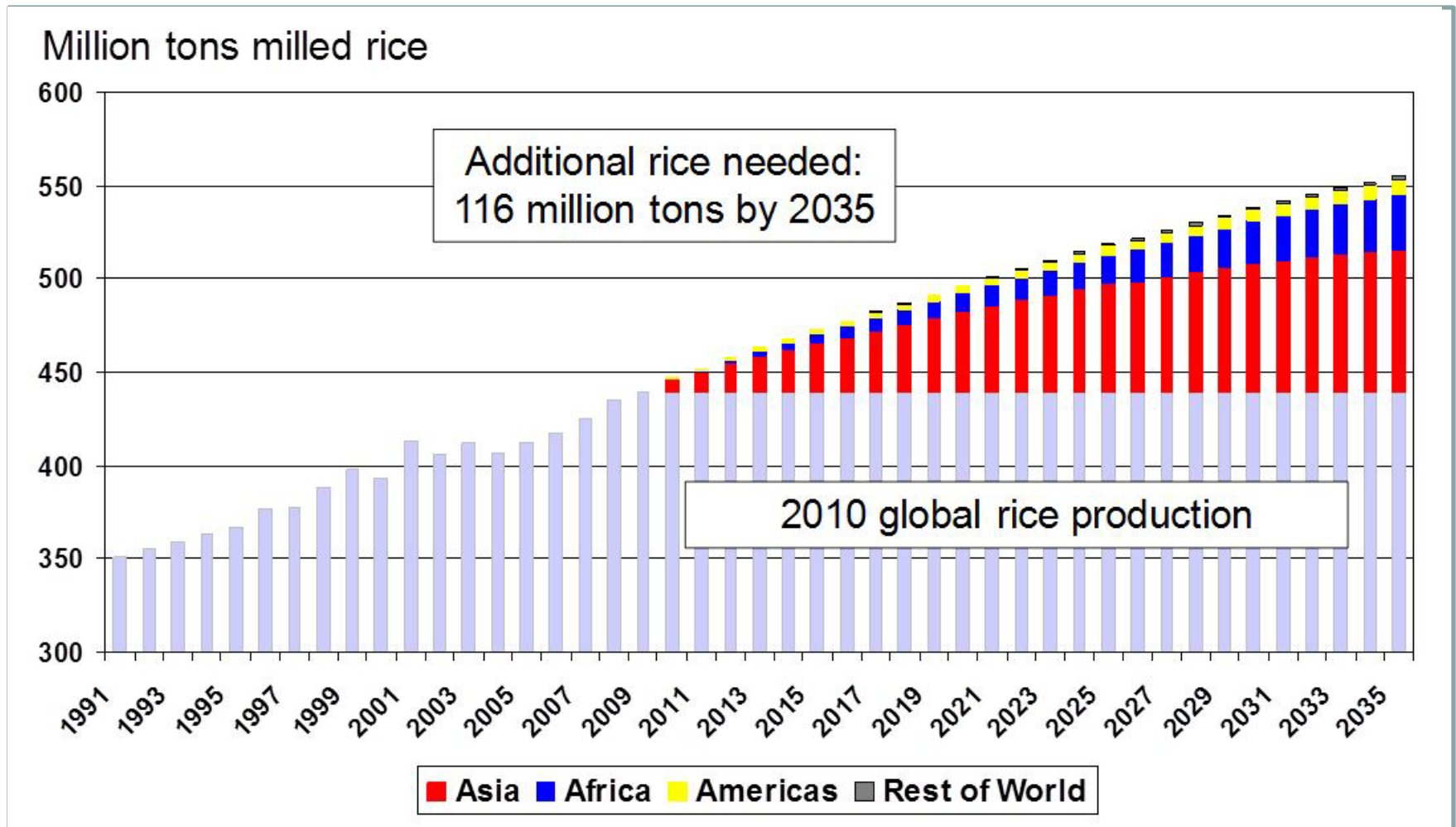
Contents

- Introduction
- Research product development
- Linking with development initiatives
- Conclusions

World rice price



World rice consumption



Risks to food security

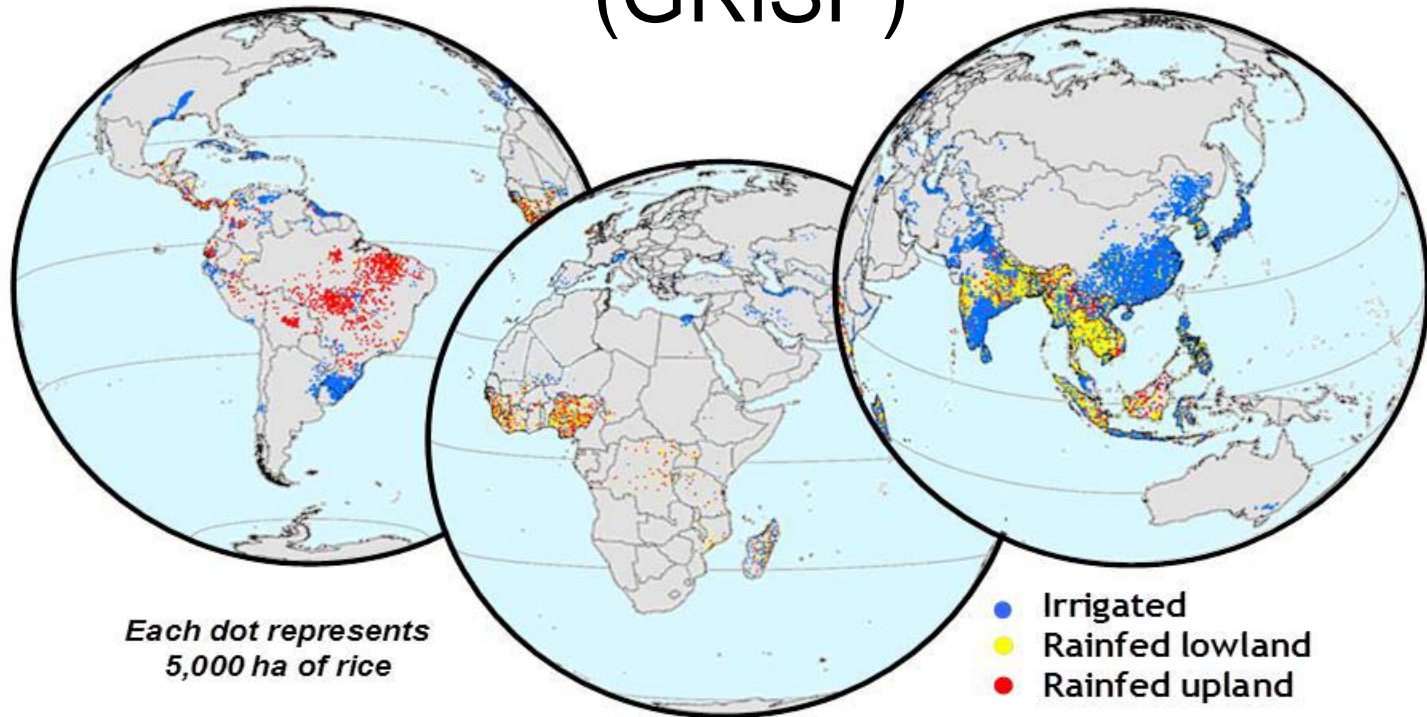
- Soaring and highly volatile rice prices
 - Relatively low levels of global stocks
 - Current rice exporters may turn into importers
- Relying on the world market to supply rice to African consumers is becoming a very risky, expensive and unsustainable strategy
- It may lead to severe food insecurity and civil instability
- Turn this into an opportunity for Africa

CG Reform

- Consultative Group of International Agricultural Research (CGIAR)...
- Is a group of donors funding 15 IARC...
- Being transformed into a “Consortium”...
- And a separate “Fund” for financing...
- All international agricultural research... through large, global programs called...
- Consortium Research Programs (CRP)...
- Involving CG centers and IARC.

CGIAR Thematic Area 3:
Sustainable crop productivity increase for global food security

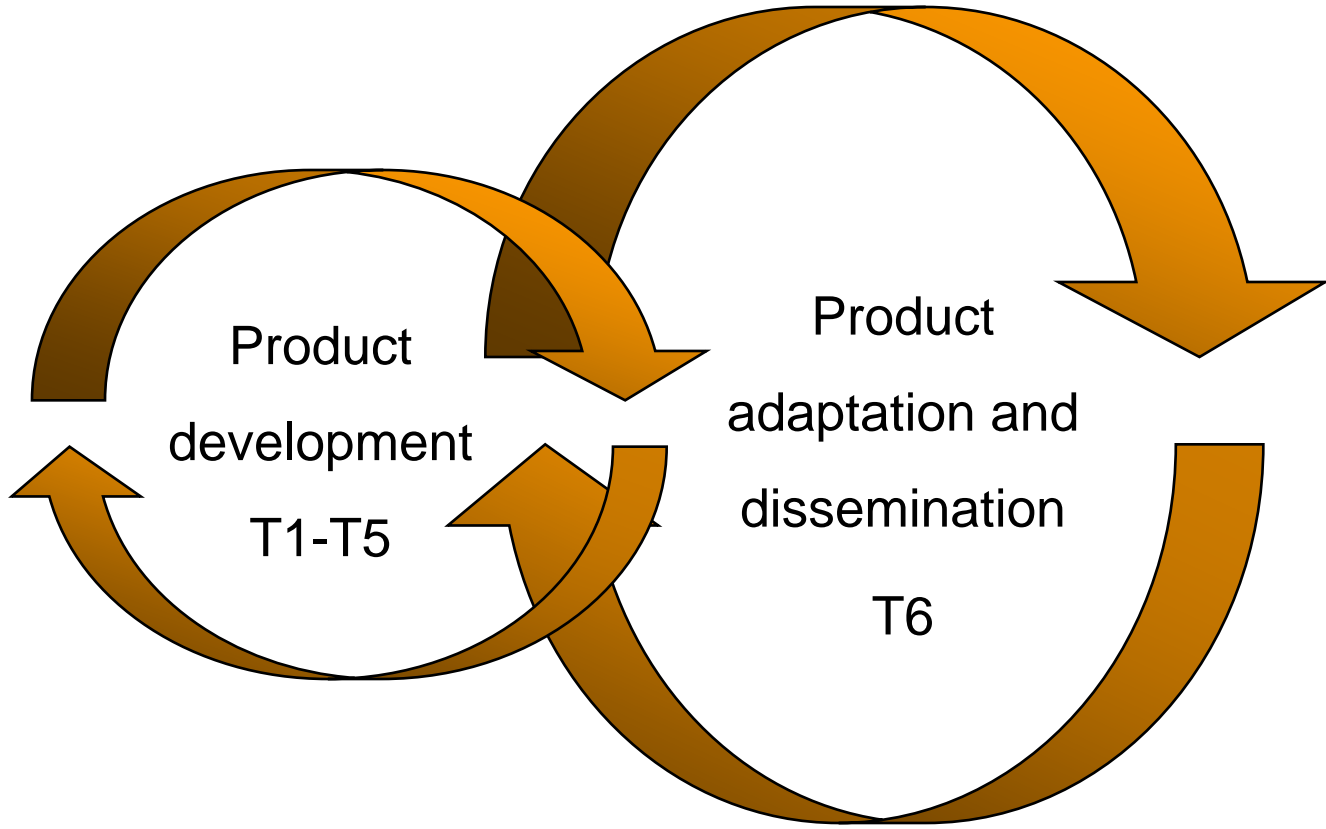
A Global Rice Science Partnership (GRiSP)



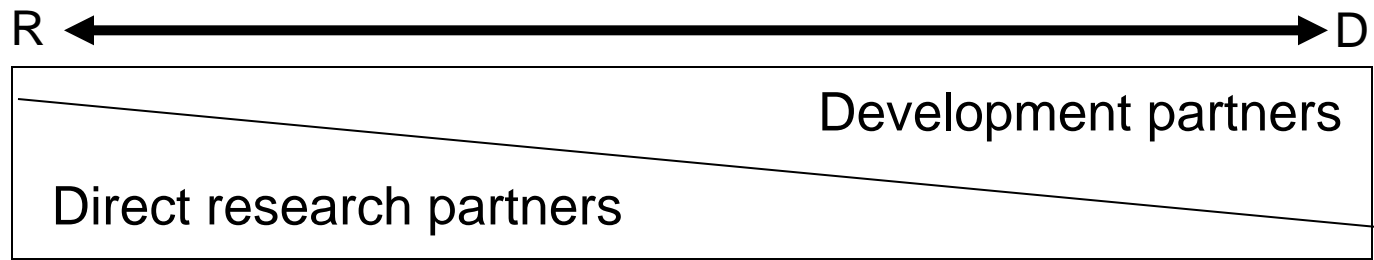
An evolving alliance of IRRI, AfricaRice & CIAT
with Cirad, IRD, JIRCAS and hundreds of research and
development partners worldwide



Ex-ante assessment, priority setting, information & targeting (T5)



Ex-post impact assessment (T5)

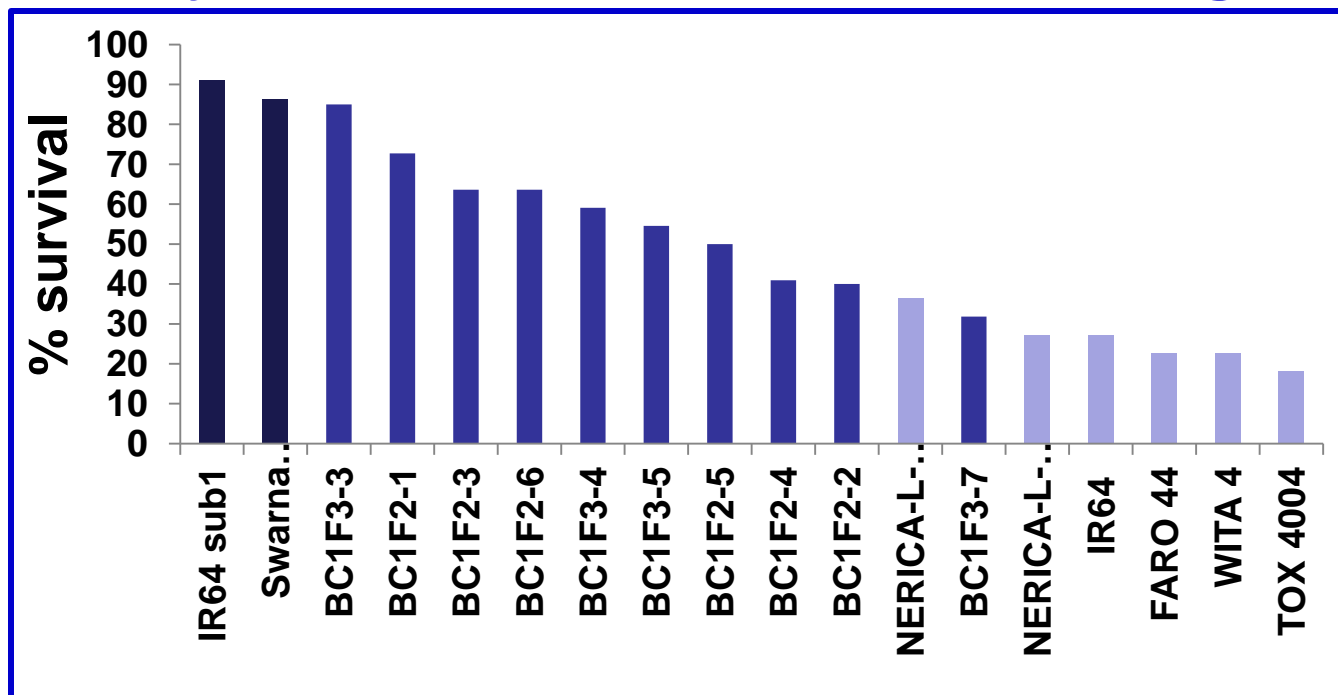


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Submergence and other flood-tolerant rice

Efficacy of *sub1* in African Genetic Background



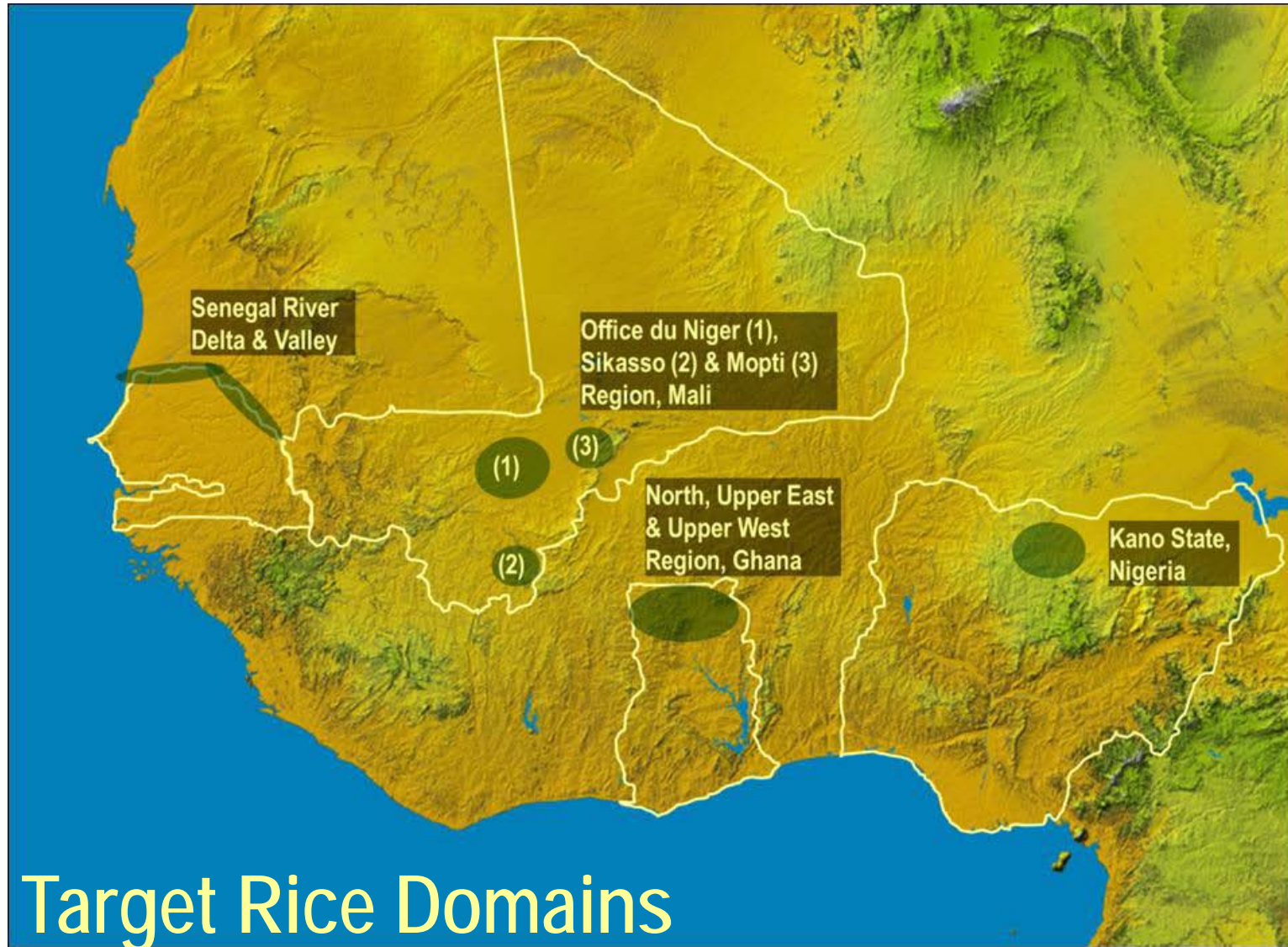
Survival (%) of WITA 4 x Swarna *sub1* progenies

***sub1* works in the genetic background of an elite African variety!**

Breeding Status (MAS)

- WITA 4 x Swarna *sub1* BC2F1
- NERICA L-19 x IR64 *sub1* F1
- FARO 57 x Swarna *sub1* BC1F1

Nutrient Manager tools for web and/or cell phone

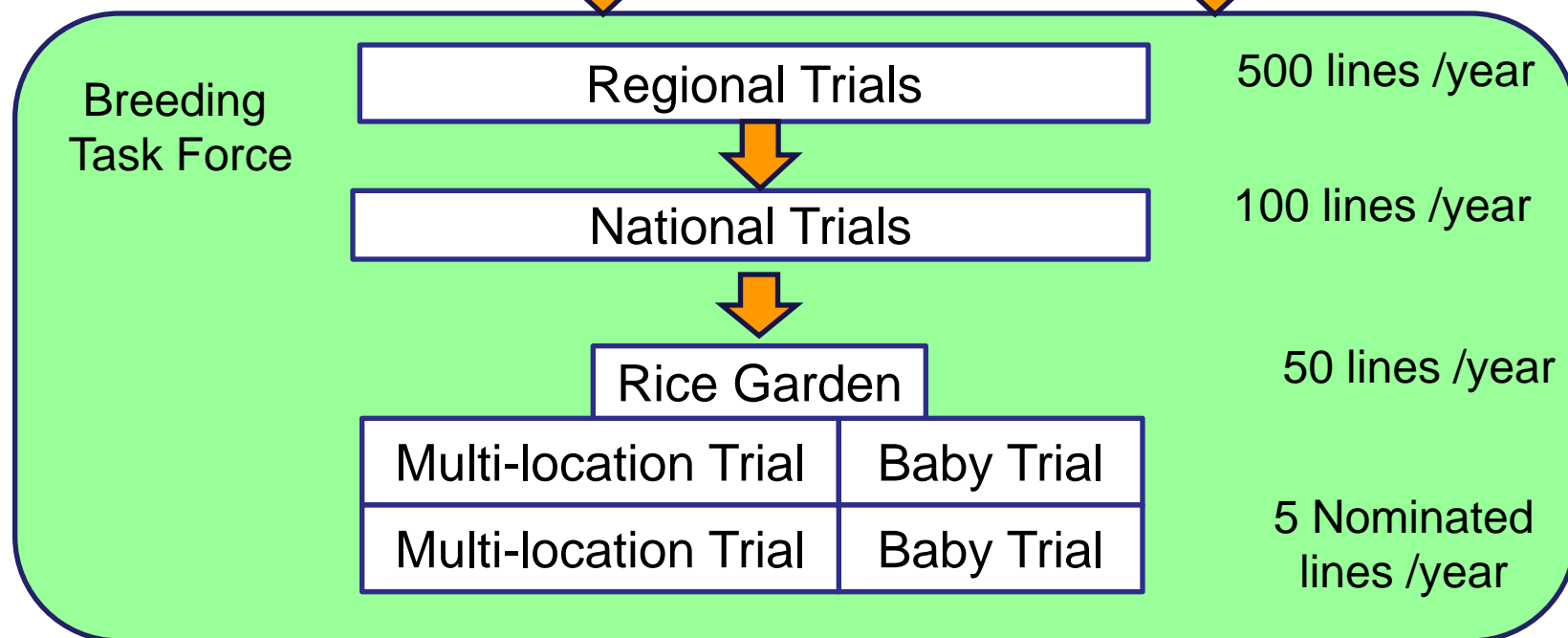


Multi-stage Regional Trial Network

African Rice Breeding Task Force

Lines developed by ongoing Projects
STRASA, GSR, GCP, Japan Rice
Breeding etc

Varieties developed by
NARES, IRRI, CIAT



Recommendation to Target Country



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Mechanization



Laser land leveling and bunding equipment manufactured and demonstrated in Mozambique



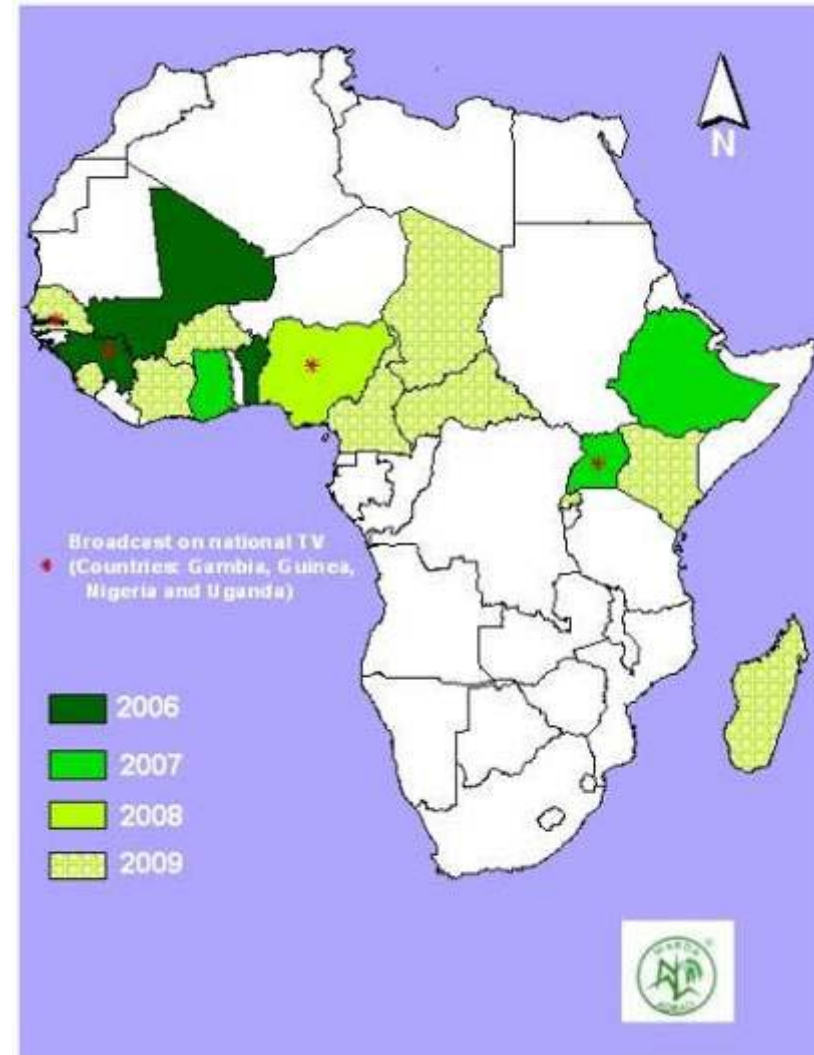
Mechanization

Mini-combine harvester tested and built in Senegal and Mali



Videos

- Cashing in With Parboiled Rice (12:37)
- Improving Rice Quality (13:26)
- Seed Preservation Techniques (07:05)
- Well-Dried Seed is Good Seed (06:20)
- Seed Cleaning By Floatation (06:35)
- Spotted Seed Means Diseased Seed (07:29)
- Managing Soil Fertility for Healthy Rice (18:44)
- Rice Weed Management (17:00)
- Rice Transplanting (14:15)
- Rice Seedbed Preparation (17:42)
- Land Preparation (10:23)



Rice sector development hubs

- Partnerships involving large groups of farmers (typically 3,000 to 5,000 farmers) and other value chain actors, such as rice millers, input dealers and rice marketers
- ‘Proof of concept’ approach to rice value chain development and sustainable management of natural resources in rice-based systems
- These hubs are testing grounds for new rice technologies and follow a ‘reverse-research approach’, i.e. starting from the market.
- Hubs will represent key rice ecologies and different market opportunities across African countries and will be linked to major national or regional rice development efforts to facilitate out-scaling.

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What does GRiSP mean for CARD?

Research organizations in CARD (AfricaRice and IRRI) have aligned research efforts on the African continent, with AfricaRice in the lead in Africa and IRRI in Asia and globally

→ tremendous gains in efficiency and efficacy in terms of research product development (themes 1 and 5)

Role of CARD (Secretariat)

CARD (Secretariat) can assist with the out-scaling of research products (GRiSP Theme 6) by:

- Advocating the importance of rice research to sensitize governments, donors, private sector...
- Proposing concrete interventions to boost Africa's rice research and extension capacity and help mobilizing funds
- Maintaining an overview of rice sector development efforts in Africa, allowing to identify best-bet regions for placing 'Hubs'

Take Home Message

- Boosting the Africa rice sector is crucial to feed Africa and avoiding another rice crisis through:
- Re-enforcing and leverage of NARS capacity through the Task Force mechanism
- Capturing global synergies through GRiSP
- Establishing rice sector development hubs to do ‘proof of concept’ work with private sector, NGOs, national partners
- Building on country and regional initiatives to boost the rice sector (CARD)

Thank you



AfricaRice

GRiSP

www.AfricaRice.org