RICE: Second phase CGIAR Research Program on Rice

General outline

Shifting role CORRA?

Bas Bouman, GRiSP Director (IRRI)
CONTENT

I. GRISP and accomplishments
II. Foresight analysis: what next?
III. The new CGIAR Research Program RICE
IV. CORRA – GRISP - RICE
Increase rice production that is **affordable to poor** and **profitable to farmers** and value chain actors; **better quality** and **more nutritious**!

But... future: less and more expensive resources, more hostile environment (climate change), need to be **sustainable and safeguard environment**.

⇒ CGIAR Research Program on Rice (GRiSP 2011-2016)
AN ASTONISHING ACCOMPLISHMENT

Area (1000 ha)
Production (paddy 1000 t)
Yield (t/ha)

Yield: 50 kg/y
Production: 9,250,000 t/y
Area: 700,000 ha/y

GRISP CONTRIBUTION

Assumptions and risks

- **Assumption:** product actually delivers its benefits
- **Assumption:** product responds to a need on large scale; markets absorb product; benefits accrue to adopters
- **Assumption:** product responds to farmers' needs
- **Risk:** practices are not adopted
- **Risk:** products not adopted
- **Risk:** product not adopted

Enabling actions

- **See early action at development of improved practice**
- **Awareness campaigns, demonstration fields, marketing by private sector, penetrate remote areas (identification of target domain – see below)**
- **Involvement of partners in product development; capacity building of partners; development of business models; demonstrated benefits to adopters**
- **Conduct of Needs and Opportunities Assessments; target domain identification, involvement of farmers in development of product (participatory approaches); develop technologies with local R&D partners**
"If I hadn't had the foresight not to go to work years ago, I probably would be replaced by a computer by now!"
1 billion people extremely poor and 650 million hungry depend on rice – more coming
DEMAND FOR RICE STILL STRONG

Additional rice needed: 63 million tons by 2030

Mohanty; Estimated March 2016
THREATENED SUSTAINABILITY

Less land
Less water
Less labor
Heat
Drought
Floods
Salt
Pests
Income growth in Asia, 1990-2013

Source: Sam Mohanty, 2015; Data source: World Bank (2014)
IN DEVELOPMENT ‘HOT SPOTS’

1. Accelerated Structural Transformation
   - Integration of rural and urban economies
   - Changing labor dynamics (scarcity, price increase, feminization, ageing)
     - Incipient land market dynamics
     - Incipient land consolidation
     - Mechanization
     - Consumer demand quality

2. Strengthened value chains
   - Longer reach, but tighter
   - Direct sourcing; supermarket revolution
   - Quality control
   - Marketing
CGIAR Rice Agri-Food Systems Research program (RICE 2017-2022)

16 Annexes + Companion Document + support letters

Addendum

Performance Indicator Matrix

Submitted 31 July 2016 to CGIAR System Council
**Reduced Poverty**

**SRF Targets**

- **100 million** Farm households with improved practices
- **17 million** People out of poverty

**Improved Food and Nutrition Security for Health**

**SRF Targets**

- **30 million** People out of hunger
- **17 million** People out of malnutrition

**Improved Natural Resources Systems and Ecosystem Services**

**SRF Targets**

- **35 million** People out of poverty
- **14 million** People out of poverty
- **5% improved** Water and nutrient use efficiency
- **200 Mt CO₂-eq** Less emission per year
- **150 million** People out of malnutrition
- **8 million** People out of malnutrition
- **12 Mt CO₂-eq**
FIVE FLAGSHIP PROJECTS

- Impact and Equity Acceleration
- Farming Systems
- Global Rice Array
- Value Chains
- New Rice Varieties
OUTP LUT S: PRODUCTS & SERVICES

QTL: Pup1
MANAGEMENT AND GOVERNANCE

I. Rice Program Planning and Management Committee (DDG-R, flagship project leaders, gender expert, communications lead, ME&L lead)

II. Independent Steering Committee (CGIAR-mandated); GRiSP Oversight Committee -> ISC
What about CORRA, GRISP, RICE?
RICE

I. A CGIAR Research Program, led by IRRI
II. Constrained in partnerships by ‘CGIAR’ particulars (data management, intellectual asset controls, CGIAR priorities, CGIAR governance,..)

GRiSP

I. Open and inclusive partnership
II. Event-driven platform
III. Share information, exchange knowledge, foster collaboration, discuss policies, identify global issues and major R&D needs
IV. Elements former FAO-led International Rice Committee?
THANK YOU FOR YOUR ATTENTION
GRISP MECHANICS - 1

I. Main event: Regional/global Rice Congress

Research Conference

Ministerial roundtable

Techno-exhibit
More ‘dialogue’?
II. Regional chapters, with yearly meetings

- Asia: CORRA
- Africa: NEC, AfricaRice ministerial meeting
- Latin America and Caribbean: FLAR
- Temperate rice regions: ?
Bridging policy and research

• Inputs: National Rice Sector Development Strategies (simple standard format => easy analysis); CORRA member expert knowledge; IRRI/RICE analyses
• Mechanism: informed ‘horizon scanning’
• Outputs: Policy- R&D highlights:

✓ Main rice sector development objectives
✓ Main drivers of change
✓ Main implications for rice R&D
✓ Implications for IRRI/RICE
✓ Quick-check relevance RICE objectives