



A ROADMAP TO IMPACT:

THE PHILRICE STRATEGIC PLAN 2017-2022

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Challenges facing the Philippine rice industry



- Competing demands for water
- Extreme weather events
- Yield gap



- Cheaper rice from other countries
- Displacement of rice farm workers
- Aging farmers



- World population to reach 9B in 2050
- Philippine population to reach 120M in 2050
- Population growth rate in 2020-2025 is 1.5%

Vision of Duterte Administration



" It is my **moral obligation** to provide available and affordable food for my people. "

- Rodrigo Duterte



FEEDING MILLIONS

A map of the Philippines is formed by a collection of golden-brown rice grains. The grains are arranged to follow the outline of the archipelago, with some grains scattered around the main shape. The background is a light gray grid pattern.

A rice secure Philippines

Anchored on the
DA's vision of a
“food-secure
society where
farmers enjoy
decent and rising
standards of living”

Salient Features

- We plan for business unusual scenarios
- We move from production-intensive targeting to the development of the whole rice industry (**C**ultivation, **C**ommerce, **C**onsumption and **C**ompetitiveness)
- We identify strategic outcomes for the rice industry's growth through impact-oriented and partnership-driven R4D



Mission

“To improve the competitiveness of the Philippine rice industry and transform it to be more profitable, resilient and sustainable through responsive, balanced, environmentally-sound and partnership-based research, development and extension.”



Core values and attributes

Relevance and Responsiveness

Integrity and Innovativeness

Collaborative and Collective Spirit

Excellence and Equity



PhilRice's Impact by 2022

The country attaining a competitive rice economy with PhilRice and partners **generating and sharing cutting-edge agricultural innovations vigorously guided by science-based and supportive policies;**

resilient rice-farming communities benefiting from increased productivity and cost-effectiveness in a sustainable environment; improved rice trade through **efficient post production, better product quality and reliable supply and distribution system;** and responsible consumers having access to **safe, nutritious, and affordable rice and rice-based products.**



7 OUTCOMES

1. Increased productivity, cost-effectiveness, and profitability of rice farming in a sustainable manner
2. Improved rice trade through efficient postproduction, better product quality, and reliable supply and distribution system
3. Enhanced value, availability, and utilization of rice, diversified rice-based farming products, and by-products for better quality, safety, health, nutrition, and income
4. Science-based and supportive rice policy environment
5. Advanced rice science and technology as continuing sources of growth
6. Enhanced partnerships and knowledge management for rice research for development (R4D)
7. Strengthened institutional capability of PhilRice

OUTCOME 1

Increased productivity, cost-effectiveness,
and profitability of rice farming
in a sustainable manner



What we'll do | How we'll do it



SEEDS & VARIETIES

.....

Breed for
tolerance/resistance
to different abiotic
and biotic stresses



MACHINES

.....

Develop and
improve machines
for land
preparation, crop
establishment and
overall crop care



DECISION SUPPORT TOOLS

.....

Develop pest,
water, and
nutrient
management,
information
support systems

OUTCOME 2

Improved rice trade through efficient post production, better product quality, and reliable supply and distribution system



What we'll do | How we'll do it



POSTHARVEST MACHINES



Reduce postharvest losses from 16 to 10%



PRE-MILLING & MILLING PRACTICES



Achieve 65% milling recovery

OUTCOME 3

Enhanced value, availability, and utilization of rice, diversified rice-based farming products, and by-products for better quality, safety, health, nutrition, and income



What we'll do | How we'll do it



RICE WITH VALUE-ADDED TRAITS



Improve and develop specialty rices



VALUE-ADDED TECHNOLOGIES



- Improve shelf-life, safety, nutrition and market-value
- Develop more products with added value



AGRI-BIO SYSTEMS



Integrate, intensify and diversify rice-based farming

OUTCOME 4

A science-based and supportive
rice policy environment

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PhilRice urges policy-makers to

ING agriculture will improve the country's competitiveness, incre
and boost farmers' income, according to Sen. Cynthia Villar.

of the Senate Committ
low in modernizing
mechanization supp

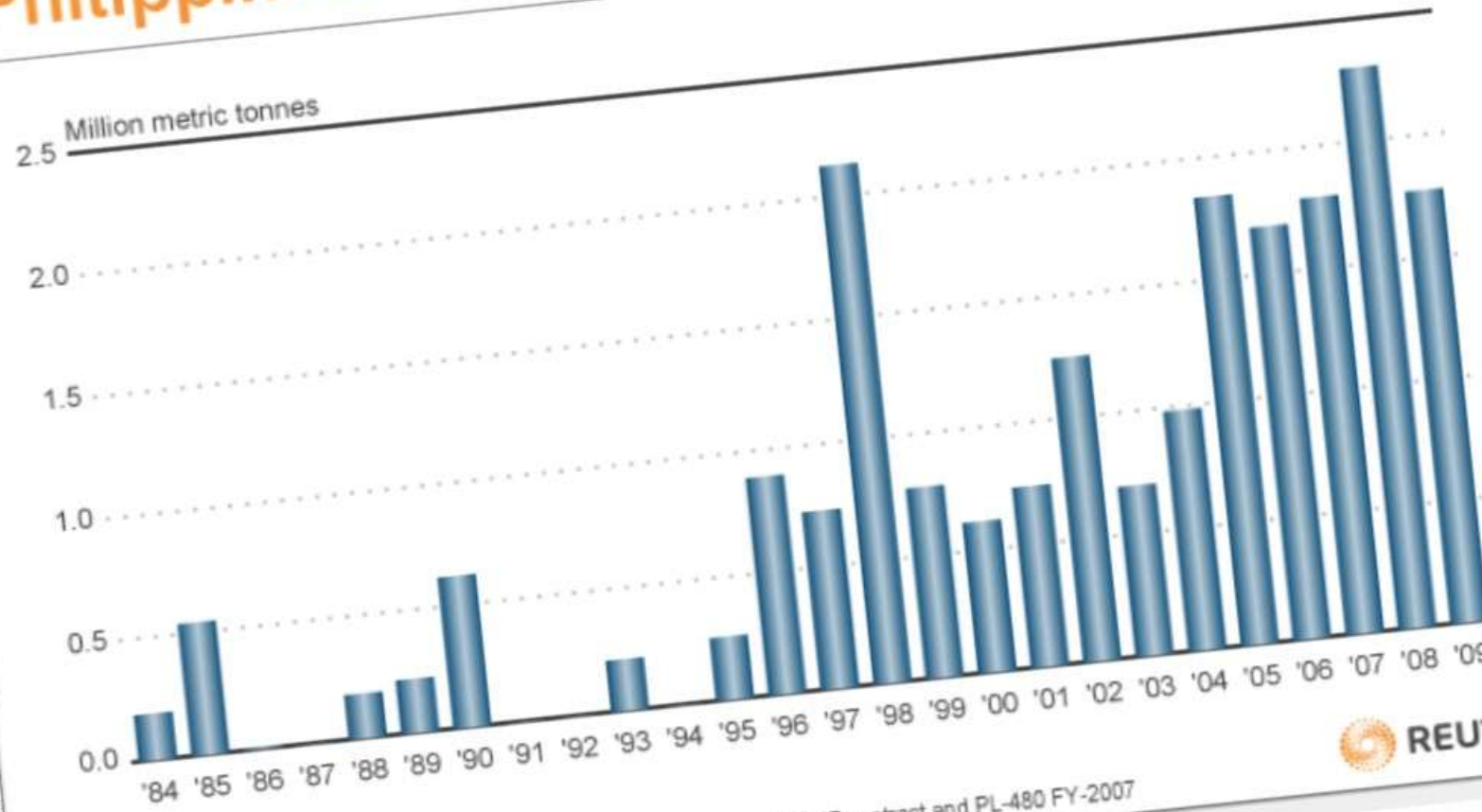
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cause it seems slow
ure modernization-re
lags behind its regio
th Korea, China and
at manufacture farm

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and fisheries machine
o achieve food security

that the National Econo
ment to invest in research
ob creation.

need to improve the glob

Philippine rice imports



Source: National Food Authority, * includes 24,975 mln tonnes balance of 2007 contract and PL-480 FY-2007



What we'll do | How we'll do it



SYSTEMS AND PROTOCOLS

- Rationalize seed production and distribution
- Promote mechanization
- Provide better access to credit and insurance



POLICY PAPERS

- Recommend interventions and programs to increase yields and reduce cost
- Analyze rice value chain
- Craft policies and ordinances on access/consumption of rice and other staples, farm waste management and others

OUTCOME 5

Advanced rice science and technology
as continuing sources of growth

What we'll do | How we'll do it

OUTCOME 6

Enhanced partnerships
and knowledge management
for rice R4D



What we'll do | How we'll do it



PARTNERSHIPS



- Nurture relationship with the existing network of more than 300 institutions, local and international collaborators
- Establish new partnerships to pursue new initiatives



KNOWLEDGE SHARING & LEARNING



- Conduct consultations and dialogues
- Institutionalize feedback mechanism
- Capacitate partners

OUTCOME 7

Strengthened institutional capability
of PhilRice

30
YEARS

GROUP AWARDS
BEST TEAM

UPLAND RICE DEVELOPMENT PROGRAM TEAM





What we'll do | How we'll do it



STAFF DEVELOPMENT

.....

- Double existing plantilla positions (RatPlan reduced plantilla posts from 422 to 286)
- Increase new and upgraded scientists, CESOs
- Send staff to degree/non-degree trainings



INNOVATIONS

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- Improve PhilRice governance
- Unify operational systems



BRANCH STATIONS

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- Strengthen branch stations
- Craft rice R&D plans for areas covered
- Develop infrastructure



REWARDS

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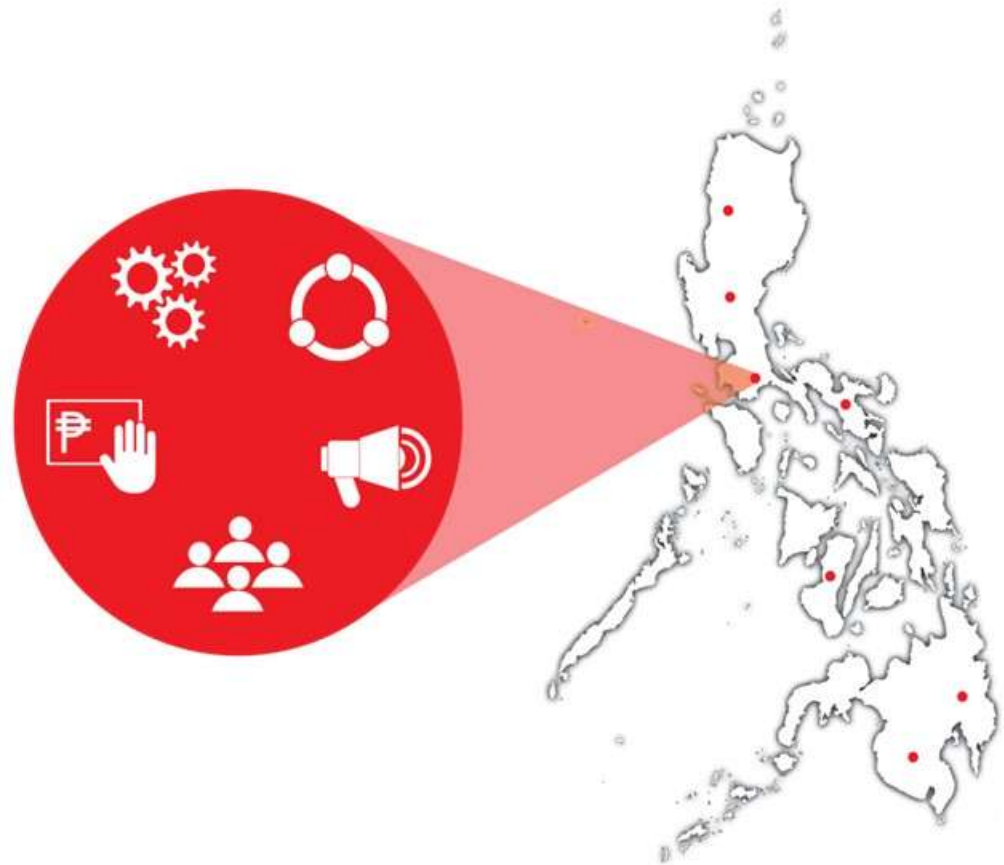
- Provide more sabbatical, postdoctoral, and training opportunities
- Develop competency-based human resource management
- Enhance incentives and rewards system

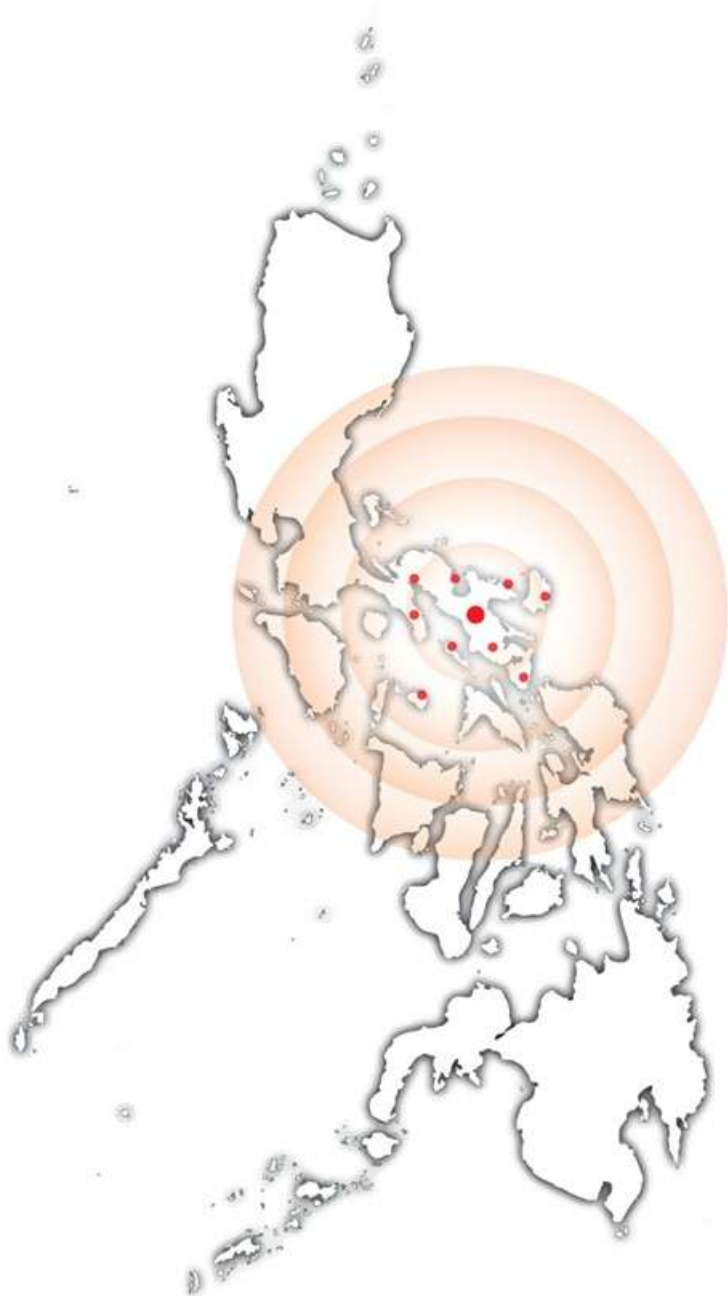


How will we translate
our scientific outputs
into development outcomes?

Rice Hubs

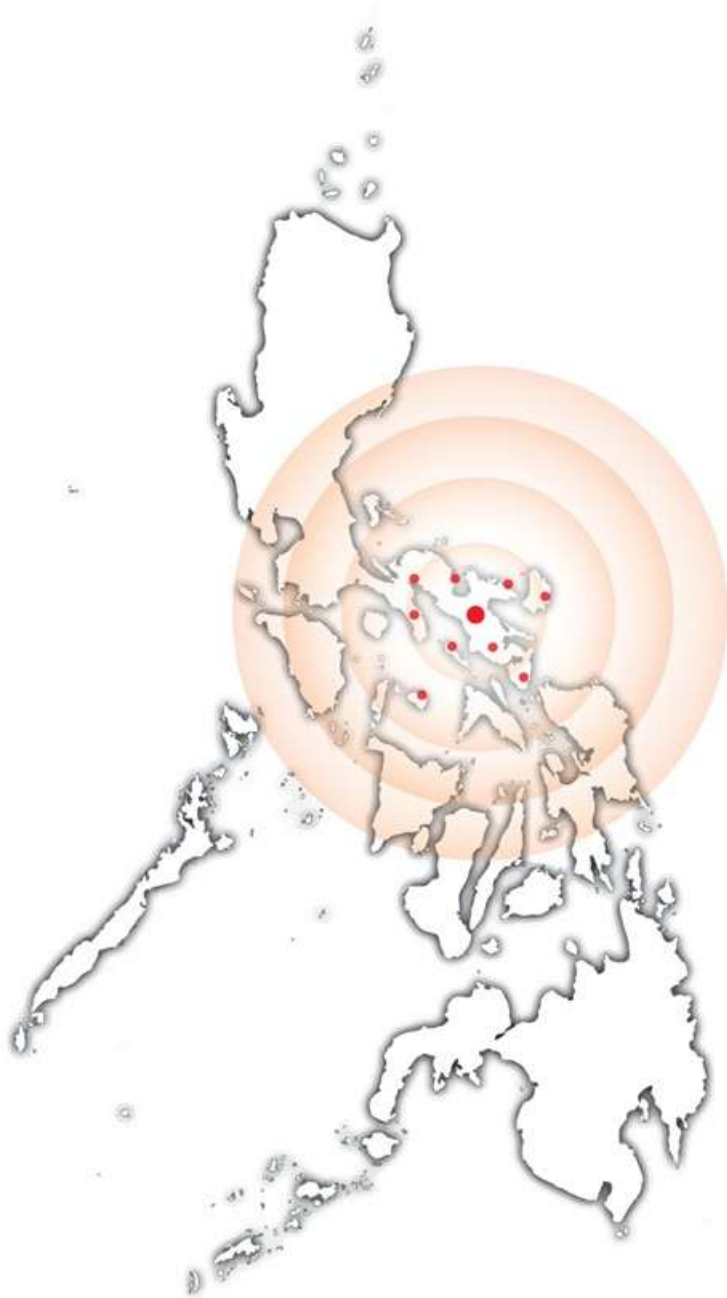
- ☞ A community of practice geared at developing **rice and rice-based industries** within a province to address farmers' needs
- ☞ Fountains of knowledge, technologies & services on rice production
- ☞ Holistic approach in building a local rice and rice-based enterprise
- ☞ Partnerships-heavy
- ☞ Menu of interventions
- 8 rice hubs nationwide managed by the branch stations
- ☞ Technology development, services, link to markets, access to financing





Rice Zones

- ☞ A potential expansion area of the rice hub with intensive rice and rice-based farming operations.
- ☞ Technology deployment from our menu of interventions
- ☞ About 112 rice zones in 6 years



How to identify the rice zones?

- ☞ Scoping studies
- ☞ Transdisciplinary encounters
- ☞ Focus provinces

Priority Provinces | Irrigated Areas

Area >50,000 ha, and Yield < 4 t/ha			Area >50,000 ha, and Yield > 4t/ha	
Oriental Mindoro	Bohol		Ilocos Norte	Pampanga
Palawan	Western Samar		Pangasinan	Tarlac
Albay	South Cotabato		Cagayan	Occidental Mindoro
Camarines Sur	Sultan Kudarat		Isabela	Negros Occidental
Antique	Agusan del Sur		Nueva Vizcaya	Leyte
Capiz	Lanao del Sur		Bulacan	Zamboanga del Sur
Iloilo	Maguindanao		Nueva Ecija	Bukidnon
				North Cotabato

*Red: above the national poverty index

Priority Provinces | Irrigated Areas

Area between 10,000 to 50,000 ha, and Yield < 4t/ha		Area between 10,000 to 50,000 ha, and Yield > 4t/ha	
Abra	Aklan	Apayao	Biliran
Ifugao	Guimaras	Kalinga	Southern Leyte
Aurora	Negros Oriental	Ilocos Sur	Zamboanga Sibugay
Batangas	Eastern Samar	La Union	Lanao del Norte
Cavite	Northern Samar	Quirino	Misamis Occidental
Quezon	Zamboanga del Norte	Bataan	Davao del Sur
Romblon	Davao del Norte	Zambales	Davao Oriental
Camarines Norte	Sarangani	Laguna	Compostela Valley
Catanduanes	Agusan del Norte		
Masbate	Surigao del Norte		
Sorsogon	Surigao del Sur		

*Red: above the national poverty index

Priority Provinces | Rainfed Areas

Area >50,000 ha, and Yield < 2.8 t/ha	Area >50,000 ha, and Yield > 2.8t/ha	
Cagayan	Ilocos Norte	Antique
Isabela	Pangasinan	Capiz
Nueva Vizcaya	Bulacan	Iloilo
Bohol	Nueva Ecija	Negros Occidental
Western Samar	Pampanga	Leyte
Lanao del Sur	Tarlac	Zamboanga del Sur
	Occidental	
Maguindanao	Mindoro	Bukidnon
	Oriental Mindoro	North Cotabato
	Palawan	South Cotabato
	Albay	Sultan Kudarat
	Camarines Sur	Agusan del Sur

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Kalinga	Biliran	La Union	Zamboanga Sibugay
Quirino	Eastern Samar	Aurora	Lanao del Norte
Batangas	Northern Samar	Bataan	Misamis Occidental
	Zamboanga del Norte		
Cavite		Zambales	Davao del Norte
Quezon	Davao del Sur	Laguna	Davao Oriental
Romblon	Sarangani	Camarines Norte	Compostela Valley
Catanduanes	Surigao del Norte	Masbate	Agusan del Norte
Aklan			Surigao del Sur

***Red: above the national poverty index**

A map of the Philippines is formed by a collection of golden-brown rice grains. The grains are arranged to follow the outline of the archipelago, including the Luzon, Visayas, and Mindanao regions. Some grains are scattered around the main shape, giving it a dynamic, falling appearance. The background is a light gray grid pattern.

A rice secure Philippines



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Thank you very much!