

# ESTABLISHMENT OF PPP TASK FORCE ON RICE IN VIETNAM

# 1.Necessity

- “ Rice production linkage is at risk of unsustainable situation.
- Lack of cooperation among actors
- Opportunities
  - Decision of MARD No 2258 /QĐ-BNN-HTQT dated 23/6/22 establishment of PPP task force on rice
  - The need of cooperation among stakeholders
  - “Leverage”: Agricultural technology, explosive IT, supporting policies...
  - Participation of 1 million ha project, the project on development of material zone



## 2. Functions

### PPP task force on rice

- “ An inter-sectoral coordination under Ministry of MARD including representatives of PP sector, close linkage among actors to manage and support the development of rice sector towards high competitiveness, high quality, safety and hygiene, added value, economic efficiency, sustainable society and environment.



## Office

- “ The office of PPP task force on rice includes staff from NAEC and experts to assist, if necessary, who are assigned tasks according decision of the task force
- “ The number of members and experts of the task force may change depending on the requirement of specific development period.
- “ Mission
  - 4 Conduct dissemination, communication and international cooperation activities.
  - 4 Be responsible for administrative tasks (dispatches, records, meetings, workshops...)
  - 4 Synthesize reports and plans on the activities and finance of the PPP Task force.





# Operational principle

- “ The PPP Task force on rice works on principle of democratic centralism and collective discussion of related issues on the basis of the conclusion that more than 50% of the members agree;
- “ The PPP Task force on rice organizes 2 meetings for members each year to report the result of activities, approve the next 6- month plan, and may convene an extraordinary meeting at the request of the Head of the task force;
- “ Funding for regular operation of the task force is based on the integrated funding the Departments, Institutes and representative agencies participating in the coordination board and support of members and donors.
- “ Sub-task forces actively allocate funds for regular activities when necessary.



# Duties and authorities

1. Research and propose to MARD the strategies and master plan to develop rice industry
2. Assist Minister in orienting and coordinating activities and resources to develop sustainable rice industry.
3. Assist Minister in coordinating departments and unit under Ministry and relevant organizations and individuals to develop Vietnam rice industry according to the law;
4. Assist Minister in directing the implementation the national master plan for sustainable development of rice industry according to Decision 555/QĐ/BNN-TT dated 26 January 2021 of MARD Minister approving the project on restructuring rice industry to 2025 and 2030;
5. **Participate in the 1- million ha paddy master plan**
6. Participate in evaluating programs and projects related to the rice industry;
7. Participate in organizing and conducting research, trade fairs, PPP promotion, market information, agricultural promotion in the rice industry;
8. Provide and share information, conduct training and capacity building for partners in the rice industry according to the law



# Organizational Structure

**1. Head of the PPP Task force on Rice: Director of NAEC and representative of Bayer Việt Nam Co Ltd; (Co-chair)**

**2. Members:**

- 01 presentative of Department of Crop Production
- 01 presentative of International Cooperation Department;
- 01 presentative of Agro Processing and Market Development Department;
- 02 national enterprises on rice;
- 02 international enterprises on rice;
- 02 cooperatives



# 4. Organizational Structure (cont)

## 3. The mechanism to select members:

The Chair of task force (NAEC) will send a documents to relevant agencies requesting the appointment of members, complete the dossier and submit to the Minister for making decision on the establishment of the Task force as follows:

### 1- Sub task force on policy

### 2. Sub task force on Market and production

### 3. Sub task force on Science, Technology and Agricultural Extension

Have functions to advise, assist task force in the management and administration of assigned tasks. It is composed of state and private representatives.

The operation regulation of the task force, organizational structure, functions, duties and operation regulations of professional sub task forces shall be prescribed by the Chair of task force.







## : Follow up activities

- „ Develop action plan
- „ Meeting to approve action plan
- „ Implement cooperation projects (NAEC and Bayer)
- „ GIZ and other parties





Xin chân thành  
cảm ơn!



# Vietnam Bayer Forward Farm The 1<sup>st</sup> establishment in ASEAN

Driving Rice Center of Excellence:  
Partnership with MARD, Vietnam

3-Mar- 2023



# The set-up to address the challenges

Holistic and tangible, demonstrating modern & sustainable agriculture in practice

- Implemented with farmers at their farms, strengthening credibility
- Located close to important agro- & social-political centers
- Giving insights with concrete on-farm information and science-based facts
- Local decision & resources for implementation; global guidance & resources for basic communication start-up and special projects
- A global network of 25 farms in 14 countries across Europe, Latin America, Asia and growing!

## INNOVATION & BEST PRACTICES IN ACTION

A knowledge platform to demonstrate innovative best practices for sustainable agriculture.



## FARMER COOPERATION

An authentic environment with selected independent farmers across the globe.



## INSIGHTS & DIALOGUE

A tangible experience giving insights & facilitating dialogue between farmers, all interest groups, and Bayer.





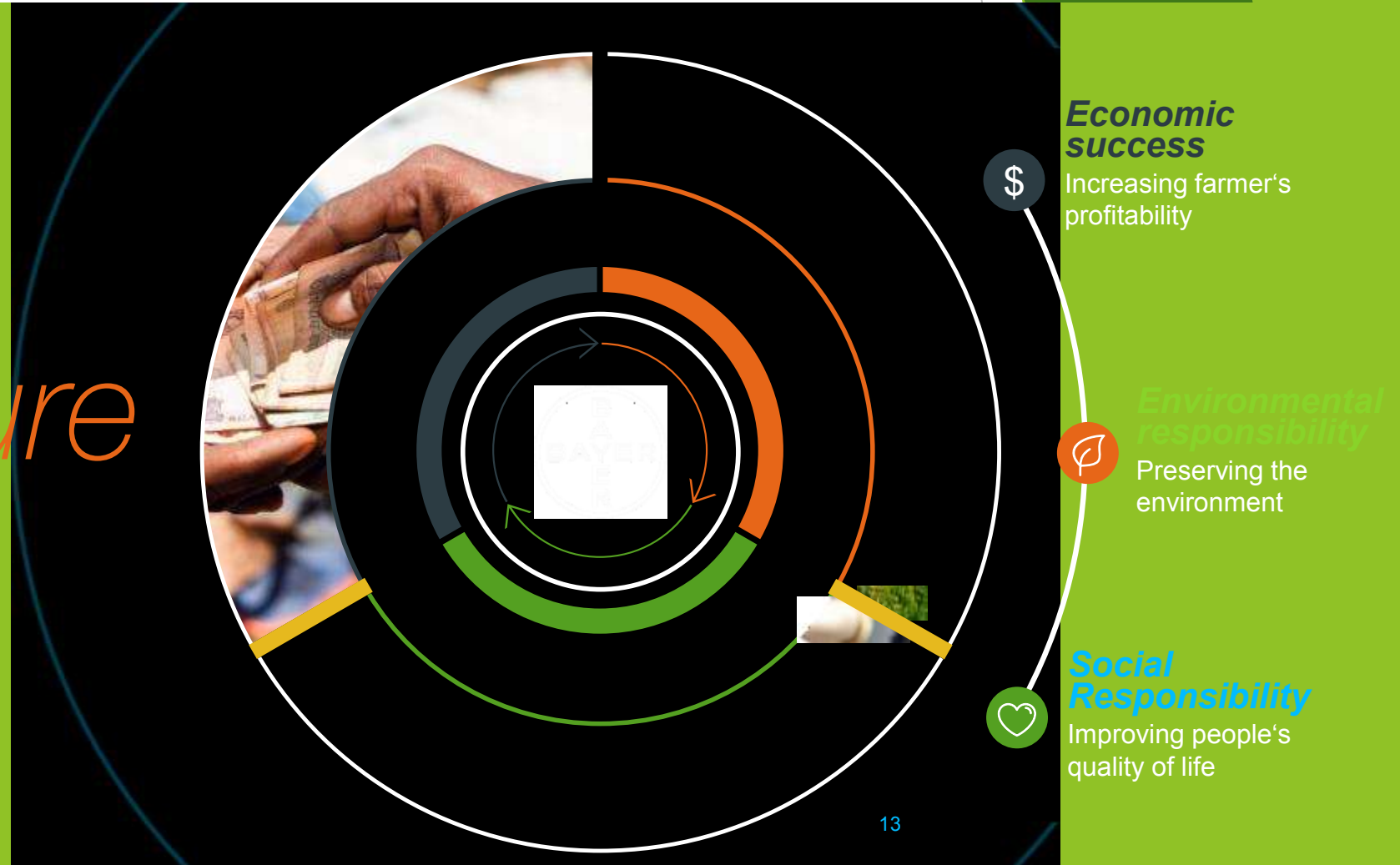


# The pillars of sustainable agriculture

/ At Bayer ForwardFarming, we take a holistic view on

## Sustainable Agriculture

that focuses on environmental, social and economic progress to overcome the global challenges in agriculture








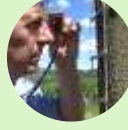




# Our contribution to sustainable agriculture

The essence of our business - built on innovation, best practices and care



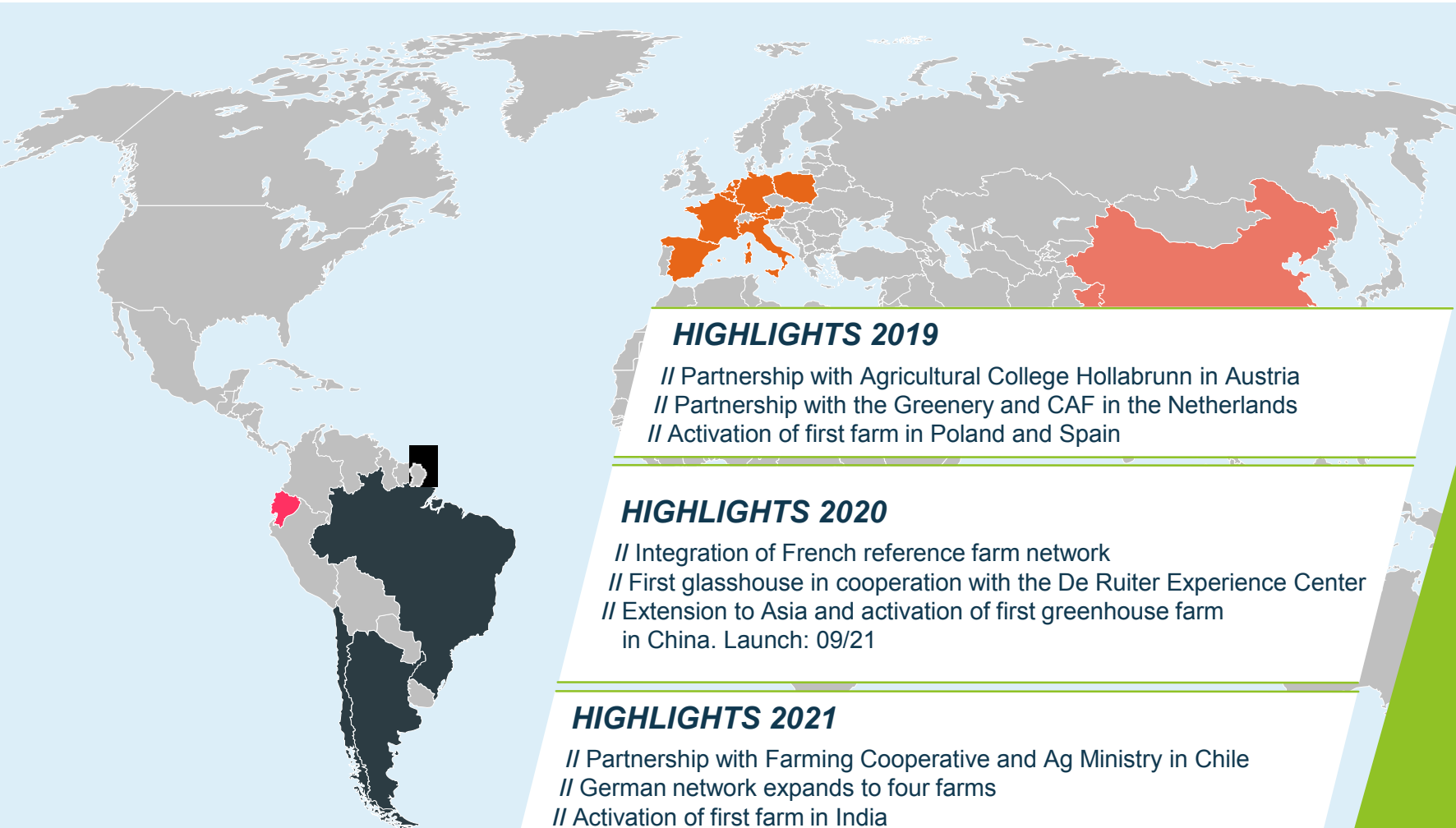
/// Showcasing Benefits

Care for crops	Care for planet & people	Caring together
Tailored solutions and agronomic	Proactive Stewardship	Fostering partnerships
 <b>Seed</b> Importance & benefits of high-quality seeds & Seed treatment solutions	 <b>Farmers safety &amp; welfare</b> Protection & technology (e.g., easyFlow, PPEs), education & training	 <b>Broaden expertise &amp; solution offers</b> Value chain, research centers, universities, other institutions
 <b>Innovative chemical &amp; biological crop protection</b> Importance & benefits, fostering integrated weed / disease / pest management	 <b>Optimizing applications</b> Calibration, drift reduction & new technologies (e.g., Drone)	
 <b>Digital solutions</b> Enabling smart & efficient task & resource management	 <b>Promoting biodiversity</b> Conservation tillage, Cover crops, refuge, crop-rotation	
 <b>Services</b> Related to above mentioned (e.g., variety choice, diagnostics & monitoring, digital expertise)	 <b>Reducing soil erosion</b> Conservation tillage, Buffer strips, micro dams	
	 <b>Water protection</b> Preservation & wastewater management (e.g., Phytobac®)	



# Bayer Forward Farming network

2022: 25 in 14 countries



## LATIN AMERICA (5)

Argentina (1) Chile (2)  
Brazil (1) Ecuador (1)

## EUROPE (18)

Austria (1) Italy (1)  
Belgium (1) Poland (1)  
France (6) Spain (1)  
Germany (4)  
Netherlands (3)

## ASIA PACIFIC (2)

China (1)  
India (1)



ForwardFarming builds on cross-functional collaboration to engage with our multiple stakeholders including customers



Innovations &  
Tailored solutions

Proactive Stewardship

Digital Farming

Knowledge Transfer

Sustainability



Bayer's Rice Centre of  
Excellence



Partnerships



Growers



Distribution



Food  
Chain



Research  
Insitutions



Authorities  
& Policy Makers



Media &  
General Public

Multiple stakeholders





# *Thank you!*



“ Join the conversation

“ [www.forwardfarming.com](http://www.forwardfarming.com)



# RIZE





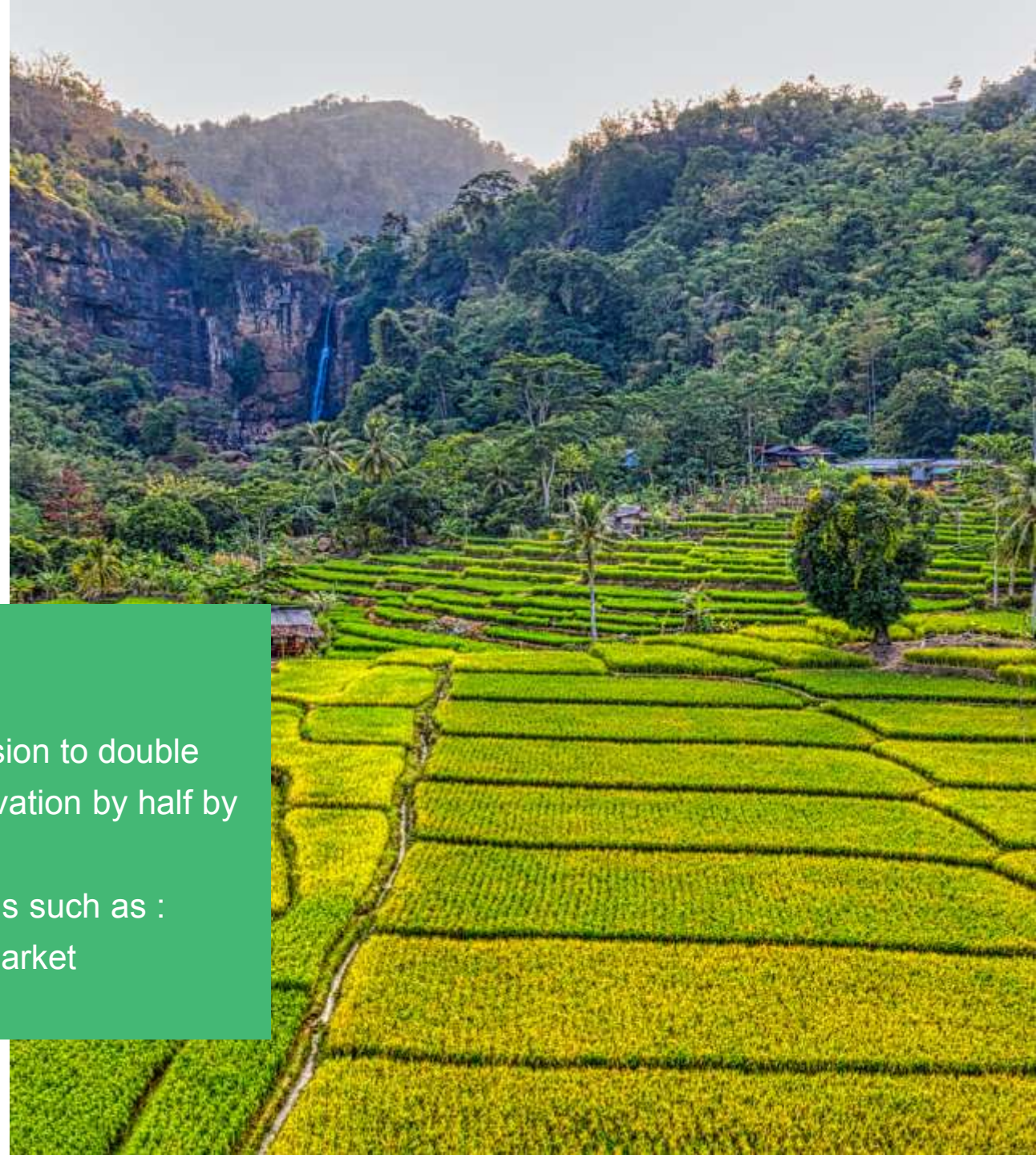
# We invest in people, not just the technology...



## Introduction

RIZE is an agritech startup backed by top VCs with the vision to double rice farmers income and cut GHG emission from rice cultivation by half by 2030.

RIZE provides solutions to all farmers agricultural problems such as :  
input financing, cultivation techniques, rice doctors, and market  
accessibility





... and seek out long-term partners for the infinite creation

RIZE's mission is to establish a platform that allows Asian farmers to cultivate rice in a scientific, efficient and ecologically friendly way.

RIZE's goal is to complete the standardization and digitization of 2 million hectares of rice in SEA by 2028, increase the income of rice farmers by 1.5 times, reduce 20 million tons of CO2 per year





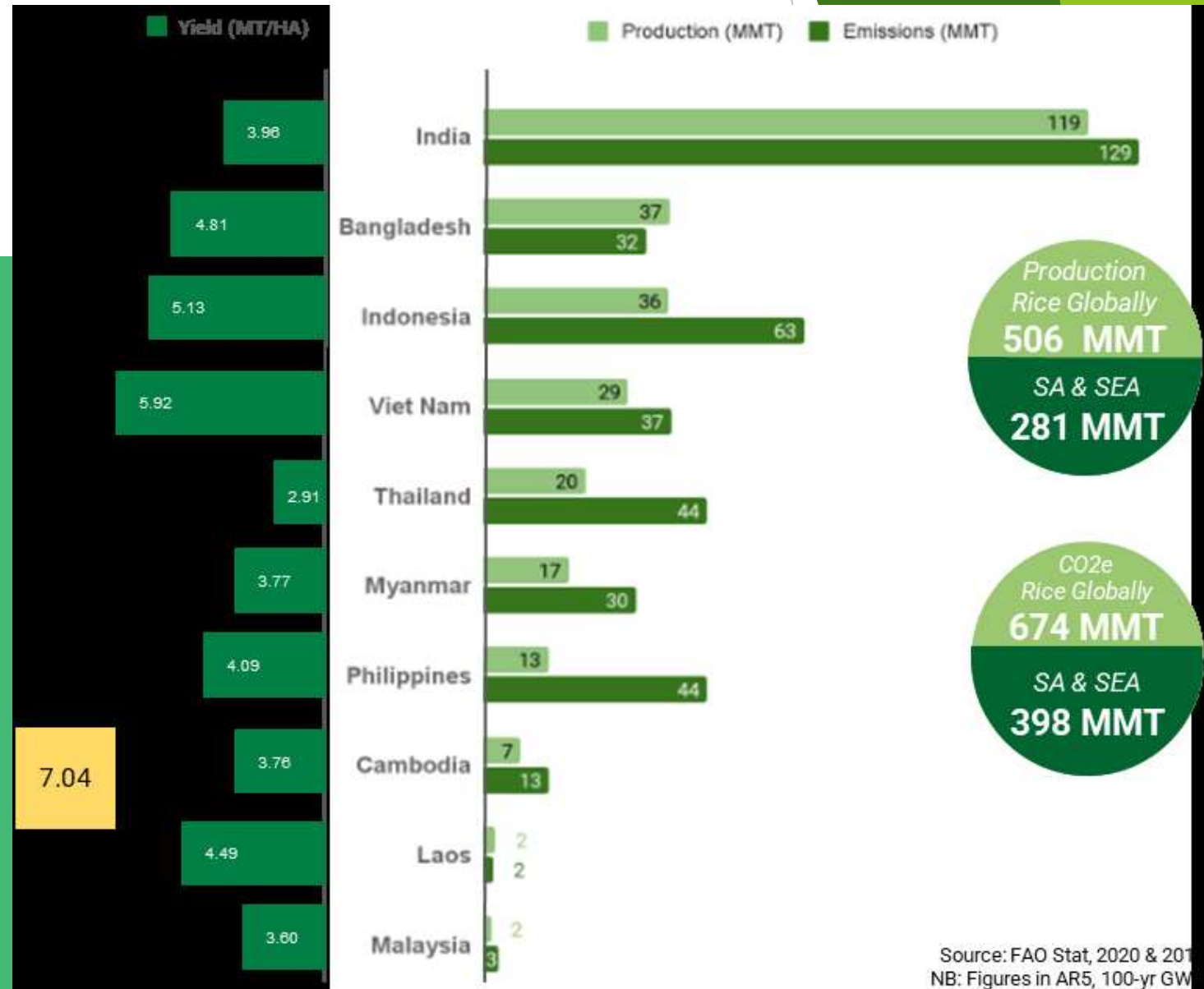
# Current situation

Emission reduction opportunity:

1.25

is the emission reduction potential  
(t CO<sub>2</sub>e/ha) adjusted lab results

We want to ramp up GHG reductions with today's science, while building rails for better future tech



Access directly to agri experts for diseases, suggestions to protect and improve yield

# High-level model



Connecting with off-takers



Financing input (allow farmer's leader order input directly app)



Virtual assistance for cultivation practices and techniques



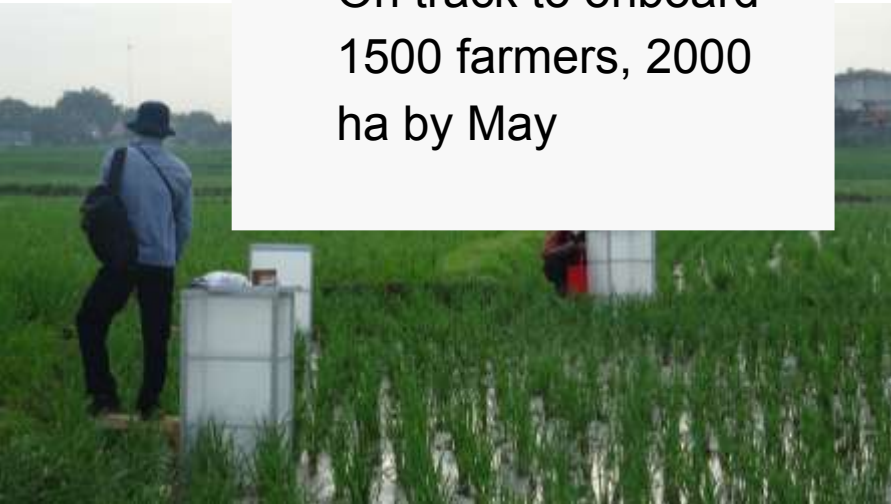
Providing an app for farmer's leader

# Traction sofar

## ► 01.

### Acquiring

- 60 farmers, 70 ha currently
- On track to onboard 1500 farmers, 2000 ha by May



## 02.

### Running experiment

76% reduction in emission



## 03.

### Enforcement and outputs

100% farmers happy with the result





# What We Offer...



# For Farmers



Connect with high  
quality fertilizer  
suppliers

Connect with  
reputable  
purchasing units



Farming techniques  
are suitable for the  
area

Diagnosis of pests  
and diseases on rice



Electronic farming  
book, making it  
easy to monitor,  
schedule machines,  
predict production.



Access to financial  
and insurance  
products specifically  
for rice.

# For Suppliers

RIZE helps to

- Connect and advise on high-quality products suitable for the region to farmers
- Provides a digital platform to help the unit sell directly to farmers at low cost

=> Helping the unit expand the market and increase revenue.







## Biggest Goal:

Transform the value chain of rice

## For Buyers

RIZE provides a digital platform that helps units/enterprises easily connect to the raw material area, plan purchasing and production, easily trace the origin and quality of inputs.





# Key Partners



Bill Gates' investment fund

Identification and investment in transformational climate solutions



International Rice Research Institute



Cuu Long Delta Rice Research Institute



Investment platform company that aims to accelerate decarbonisation, for future generations towards a net zero world.

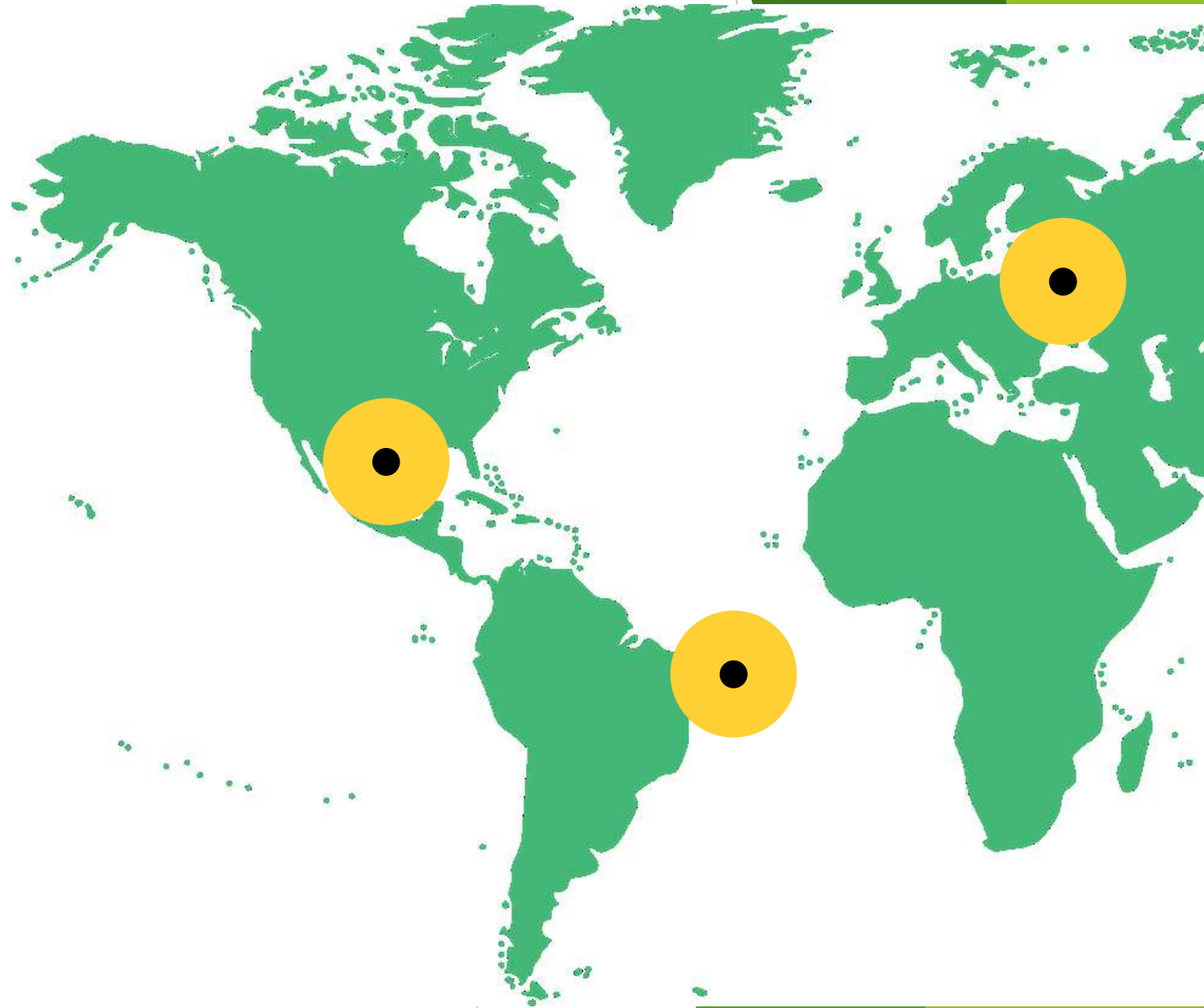


Singapore government investment fund

Regional knowledge, investment experience and market and resource access

We can't wait to go  
far together with  
you...

...and become the leader in the process  
of transforming the rice industry  
towards modernity and sustainability







# Contact Us



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# GENDER AND CLIMATE-RESPONSIVE VALUE CHAIN ANALYSIS ON THE RICE VALUE CHAIN IN VIETNAM

Dr. Nguyen Anh Phong  
AGROINFO/IPSARD

Can Tho, 3/3/2023



Canada





# CONTENT

Introduction

Key findings

Recommendations

# About the Project



- “ Project Name: ASEAN Green Recovery through Equity & Empowerment (AGREE)
- “ Fund Source: International Development Research Centre (IDRC)
- “ Timeframe: January 2022 to June 2024
- “ Consortium: Grow Asia, CPSA Cambodia, PPSA Philippines and PSAV Vietnam
- “ Objective: To inform a transition to a low-carbon economy in ASEAN’s agriculture sector that promotes livelihoods and green job opportunities for women in support of ASEAN’s COVID-19 recovery plan

# Rationale

“ Vietnam is the third largest rice exporter, in 2022, rice export more than 7.1 million tons, 3.46 million USD, but also heavily affected by climate change (WB 2021).

“ Women play an important role in agricultural production and in coping with climate change (agricultural work accounts for 36.1% of female employment (GSO, 2021)

Gender inequality in access to resources, opportunities, responsibilities, and rights, which may cause negative consequences, especially in limiting women's capability to take action to apply climate-smart initiatives in agriculture.



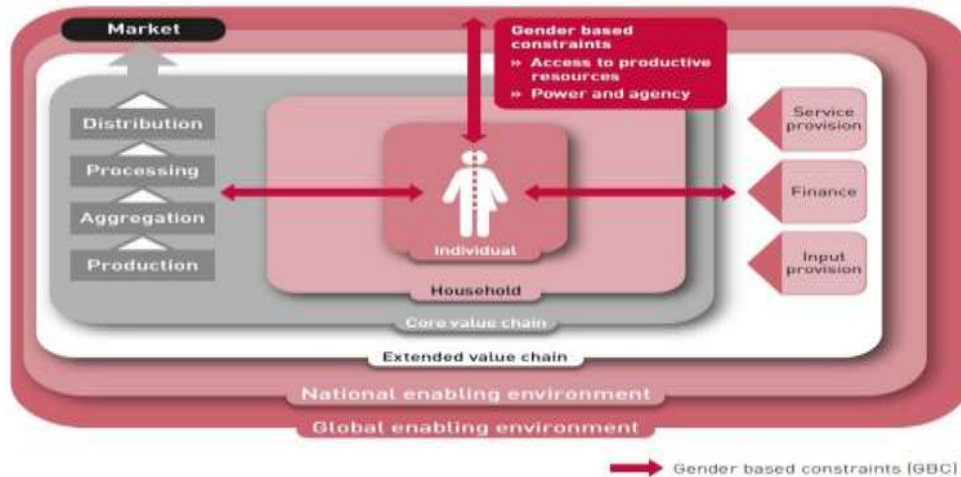
# Objectives

- To identify the roles of women and men in rice value chains, in climate mitigation and adaptation practice;
- To identify barriers and challenges that hinder women's and men's ability to participate in and access resources and opportunities in low-carbon rice value chains;
- To identify climate innovation practices or solutions that may help women and men overcome gender-based constraints in rice value chains;
- To identify entry points for promoting and scaling women's empowerment and gender transformation in low-carbon rice value chains.

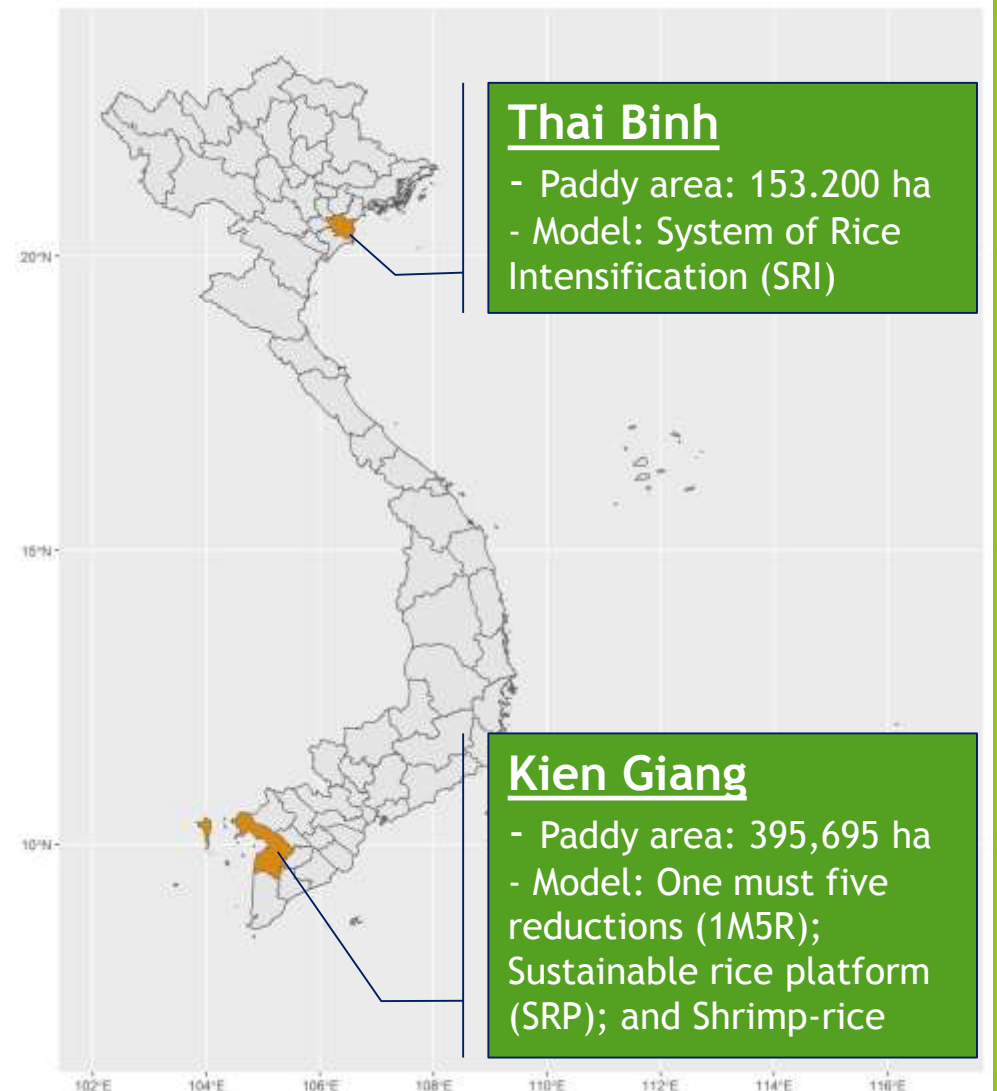


# Methodology

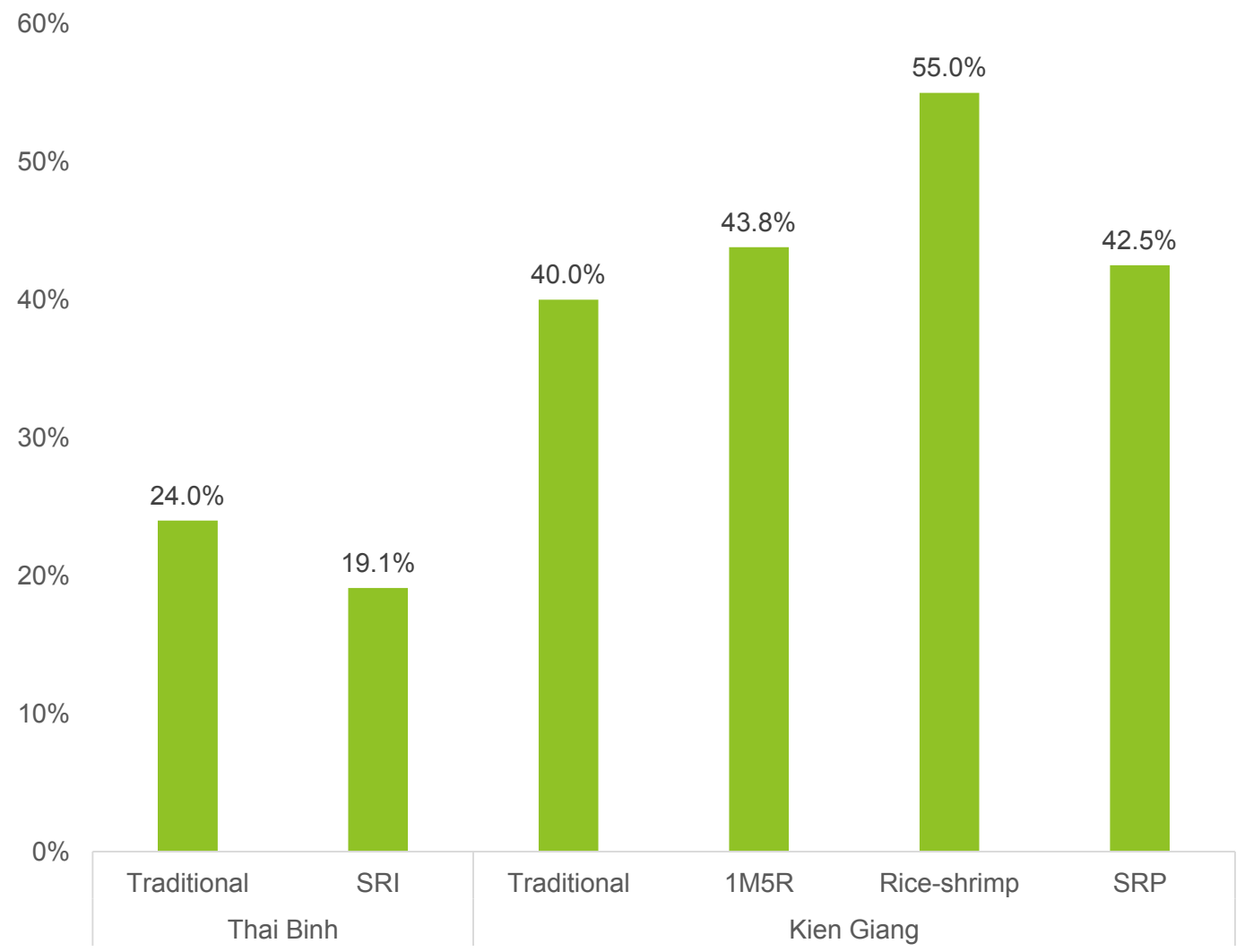
## FAO's Gender-Sensitive value chains (GSVC) framework



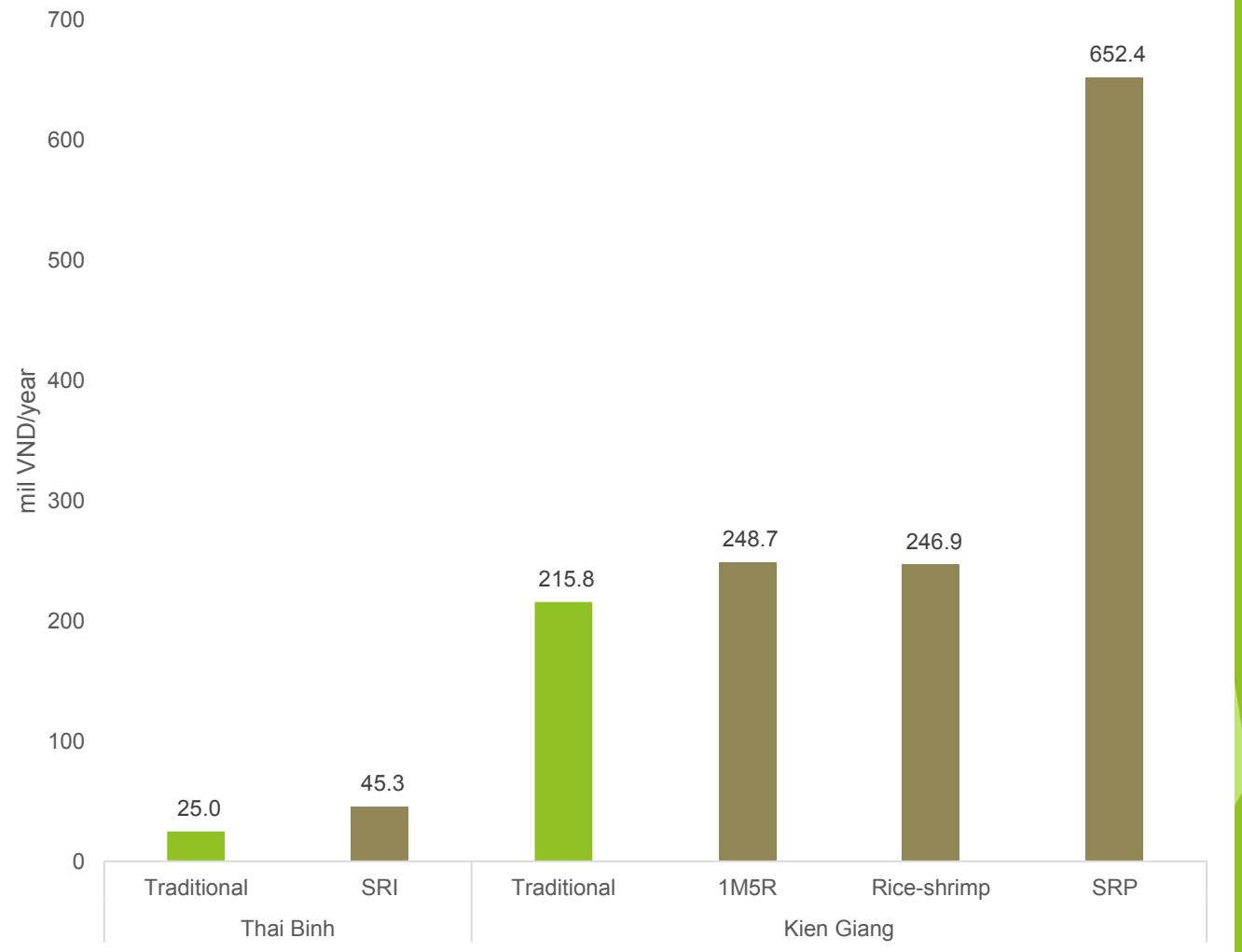
	Kien Giang (MRD)	Thai Binh (RRD)
<b>Focus group discussion (FGD)</b> (5 to 10 participants (50% female - 50% male))		
1M5R - 3R3I	01	
SRP	01	
Shrimp-rice	01	
IPM/SRI		01
Traditional model	01	01
<b>Key informant interview (KII)</b>		
SMEs, input suppliers, etc.	15	3
Farmer	50 (50% female)	10 (50% female)
Cooperatives/group	5	1



# The mechanization rate in farming by rice models



# Income from paddy of farmers by models



# Role of stakeholders (inc. decision making) in rice value chain by gender perspective – Thai Binh province

Farming activities	Traditional		SRI	
	Man	Women	Man	Women
Land preparation	60%	40%	43.8%	56.3%
Planting	13.8%	86.3%	19.8%	80.2%
Fertilizing	23.9%	76.2%	37.7%	62.4%
Pesticide-spraying	54.6%	45.4%	42.5%	57.5%
Harvesting	66.7%	33.3%	25.7%	74.3%
Transporting	83.6%	16.4%	53.6%	46.4%
Drying	39.2%	60.8%	30.8%	69.2%
Others (grass-cleaning or gap planting)	0%	100%	0%	100%
Average all stages	42.7%	57.3%	31.7%	68.3%

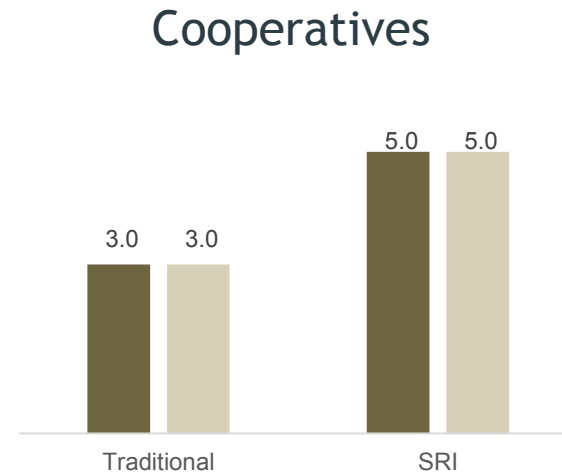
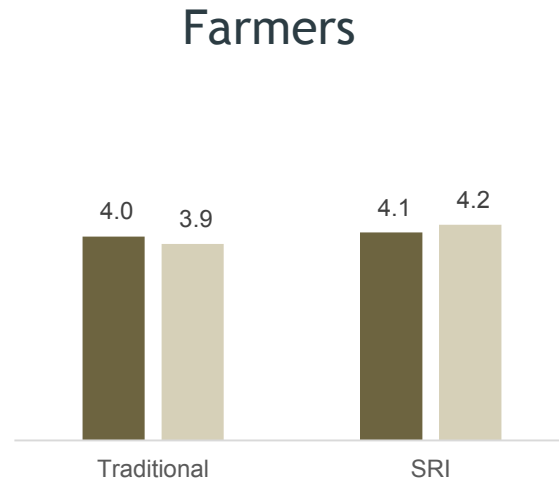


# Role of stakeholders (inc. decision making) in rice value chain by gender perspective – Kien Giang province

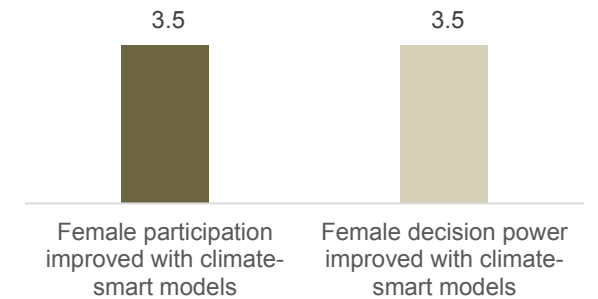
Farming activities	Traditional		1M5R		Shrimp-Rice		SRP	
	Man	Women	Man	Women	Man	Women	Man	Women
Land preparation	-	-	-	-	70	30	100	0
Planting	81.1	18.9	61.1	38.9	82.5	17.5	86.7	13.3
Fertilizing	92.2	7.8	66.5	33.5	96	4	99	1
Pesticide-spraying	95	5	96.7	3.3	93.3	6.7	100	0
Harvesting	100	0	-	-	-	-	80	20
Transporting	100	0	-	-	100	0	-	-
Drying	100	0	48.9	51.1	32.5	67.5	41.1	58.9
Others (grass-cleaning or gap planting)	66.7	33.3	40	60	55	45	0	100
Average all stages	90.7	9.3	62.6	37.4	75.6	24.4	72.4	27.6

# Stakeholders' assessment on gender perspective in climate-smart rice production models

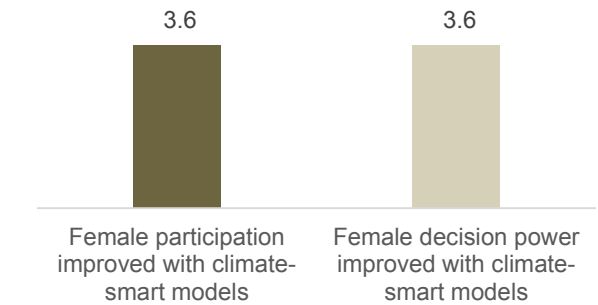
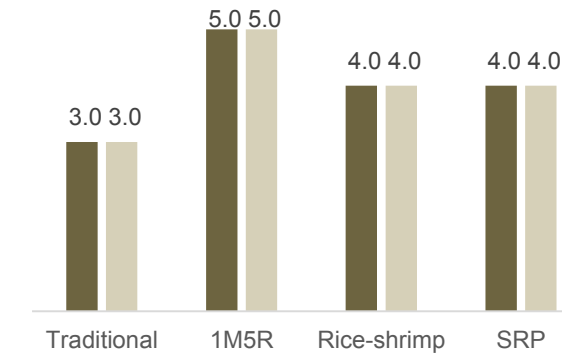
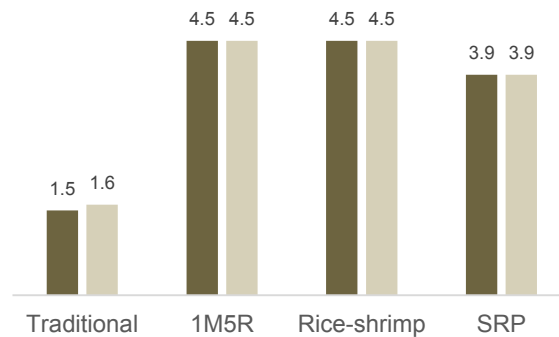
NORTH



SMEs, traders



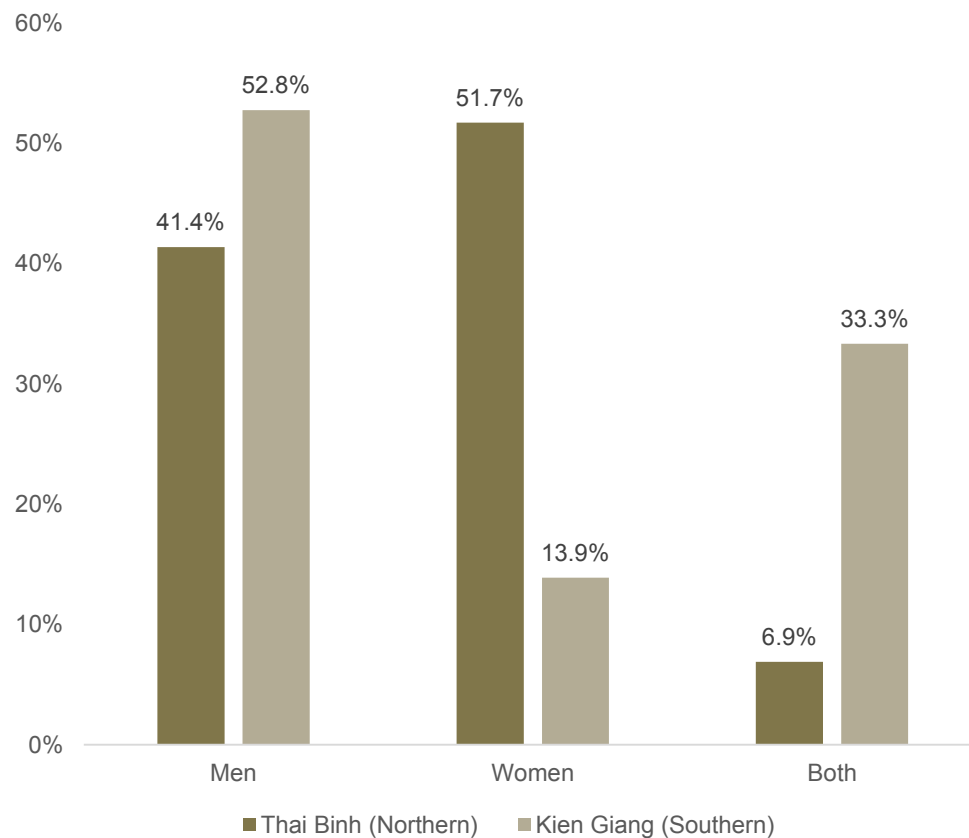
SOUTH



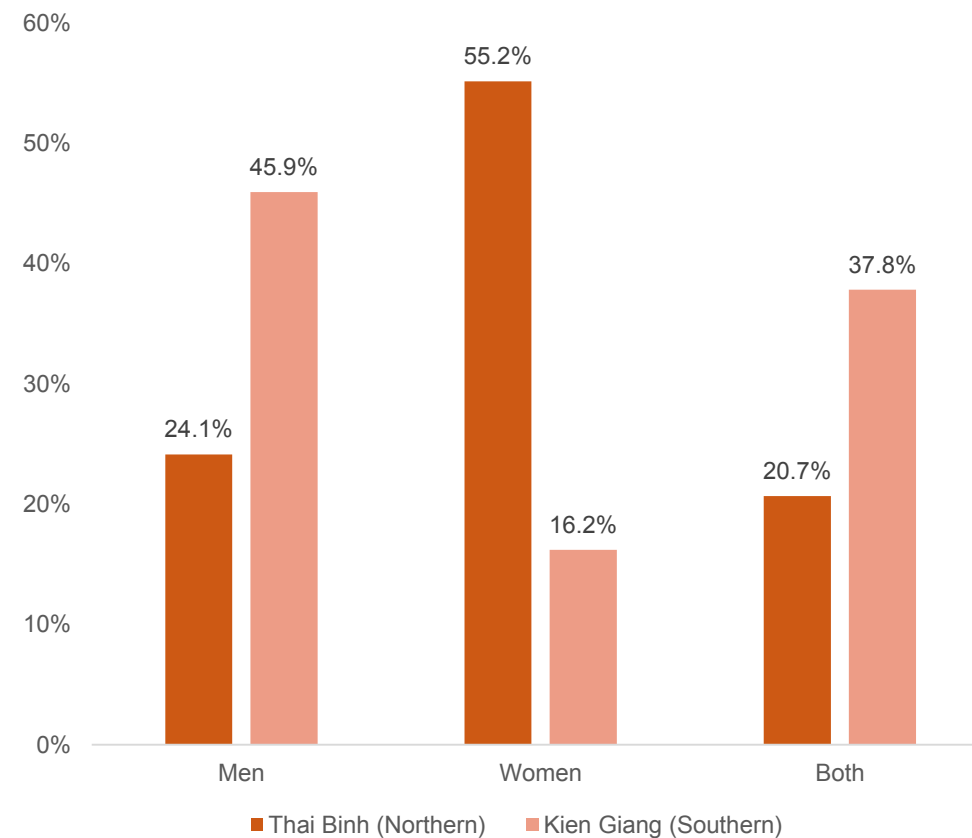
□ Most stakeholders **agree** that the climate-smart model can increase female participation and decision power in rice growing (The perception rate is greater than 3 (out of 5) points, which means around the “Agree” option)

# Decision power of joining farmer groups and deciding production methods

Farmers' decision power on joining farmer groups



Farmers' decision power on deciding production methods

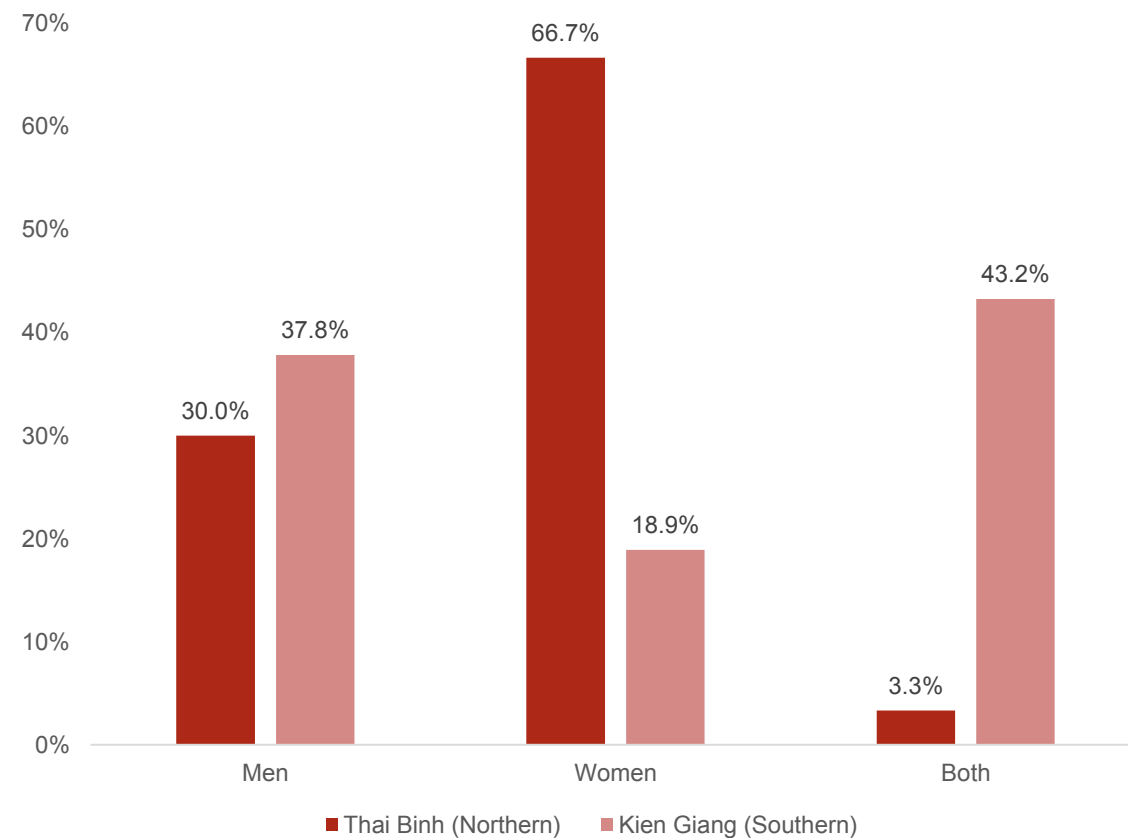


# Gender power on production and communication resources

The gender power in communication resources

Communication resources	Men	Women	Both
<b>Contacting traders</b>			
<i>Thai Binh (Northern)</i>	16.7%	63.3%	20.0%
<i>Kien Giang (Southern)</i>	59.0%	28.2%	12.8%
<b>Hiring mechanization services</b>			
<i>Thai Binh (Northern)</i>	27.6%	62.1%	10.3%
<i>Kien Giang (Southern)</i>	74.4%	17.9%	7.7%
<b>Buying input materials</b>			
<i>Thai Binh (Northern)</i>	14.3%	78.6%	7.1%
<i>Kien Giang (Southern)</i>	69.2%	12.8%	17.9%

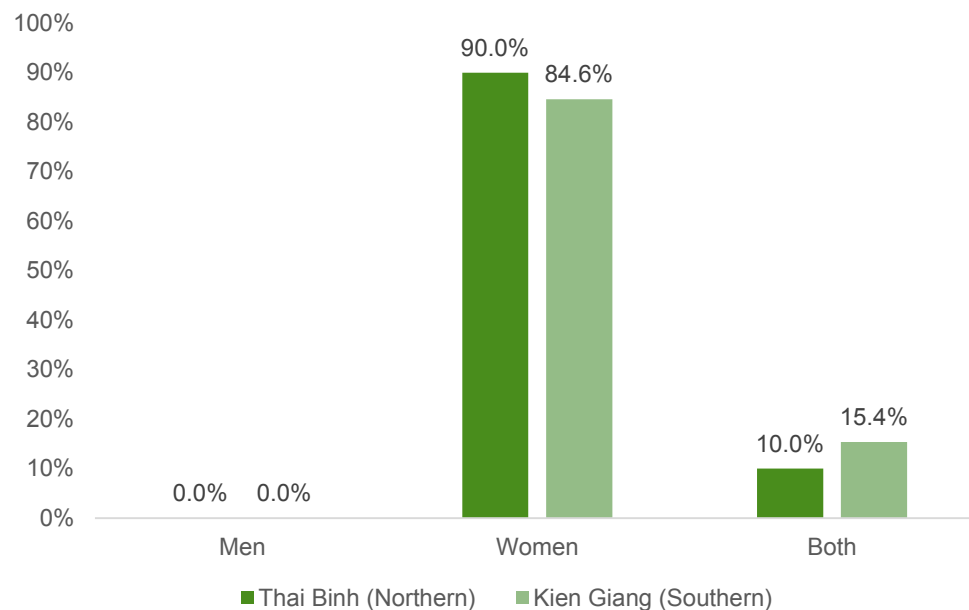
Farmers attending training courses by gender



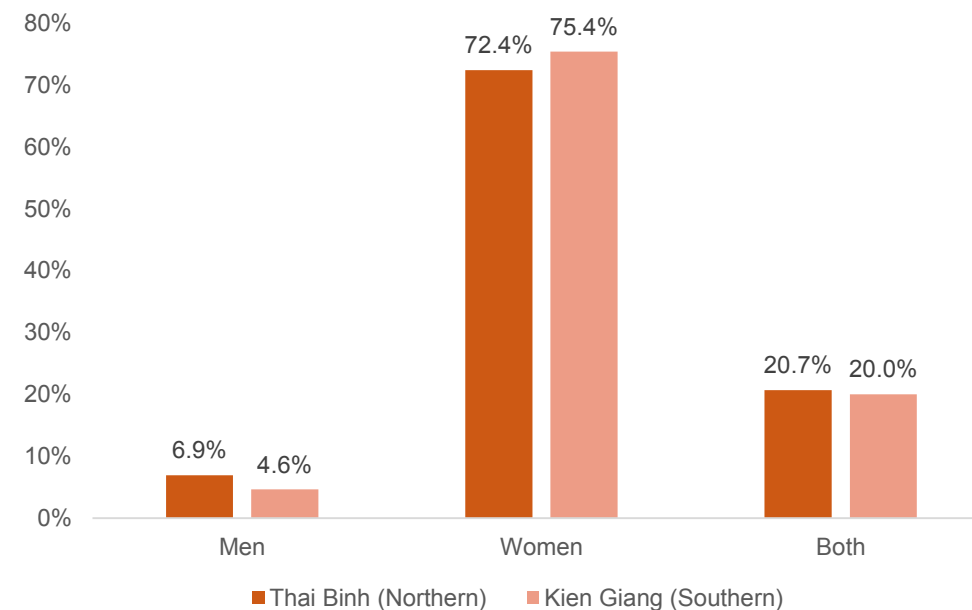


# Gender power on financial resources

## Farmers' power in keeping rice income



## Farmers' engagement in family expenditure



## Farmers' engagement in borrowing credit for rice production

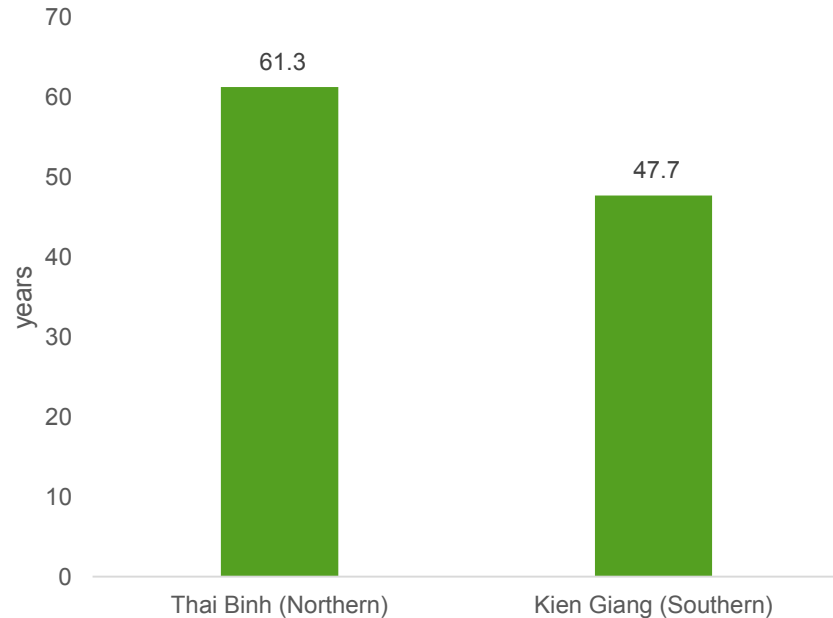
Borrowing credit	Borrowing	Men	Women	Both
Thai Binh (Northern)	33.3%	30.0%	70.0%	0.0%
Kien Giang (Southern)	75.0%	33.3%	20.0%	46.7%

# Gender power on the labor division

Other daily tasks	Men	Women
<b>Planting other crops</b>		
Thai Binh (Northern)	32.1%	67.9%
Kien Giang (Southern)	54.0%	46.0%
<b>Fishery activities</b>		
Thai Binh (Northern)	17.5%	82.5%
Kien Giang (Southern)	91.4%	8.6%
<b>Livestock-raising</b>		
Thai Binh (Northern)	21.5%	78.5%
Kien Giang (Southern)	35.0%	65.0%
<b>Agricultural hired jobs</b>		
Thai Binh (Northern)	25.0%	75.0%
Kien Giang (Southern)	50.0%	50.0%
<b>Off-farm jobs</b>		
Thai Binh (Northern)	76.1%	23.9%
Kien Giang (Southern)	95.0%	5.0%
<b>Housework</b>		
Thai Binh (Northern)	11.1%	88.9%
Kien Giang (Southern)	3.6%	96.4%
<b>Educating/taking care of the children</b>		
Thai Binh (Northern)	27.6%	72.4%
Kien Giang (Southern)	32.0%	68.0%

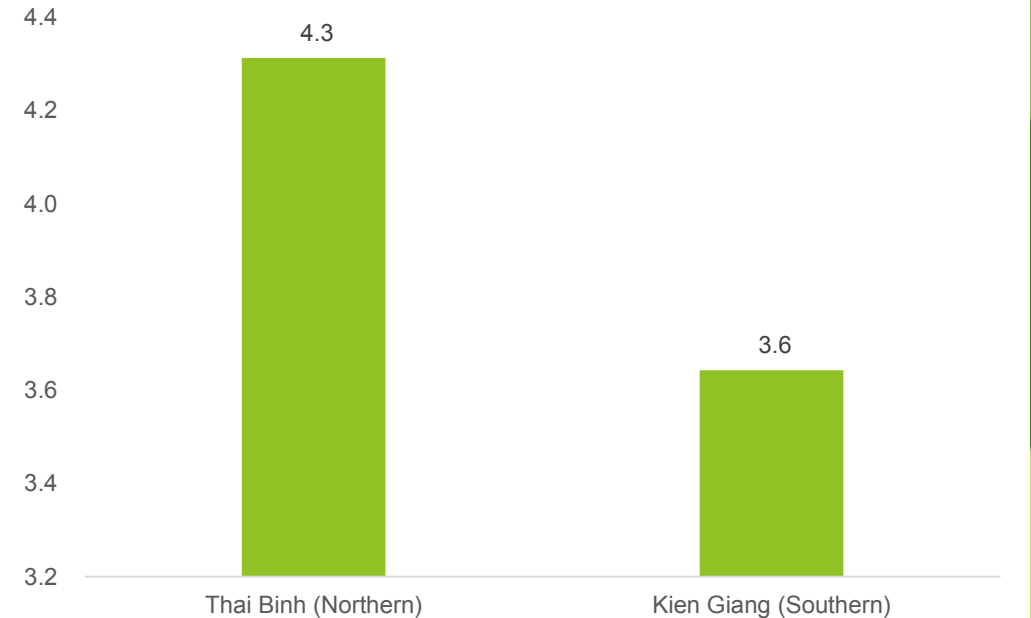
# The health care of farming workers

Average ages of rice farmers



□ The older the farmers are, the more health problem they may face. Indeed, the Northern farmers who are older tend to have strict comments on the lack of health care/guidance in training courses

Farmers' opinion on the necessity for health care and health protection guidance in training courses

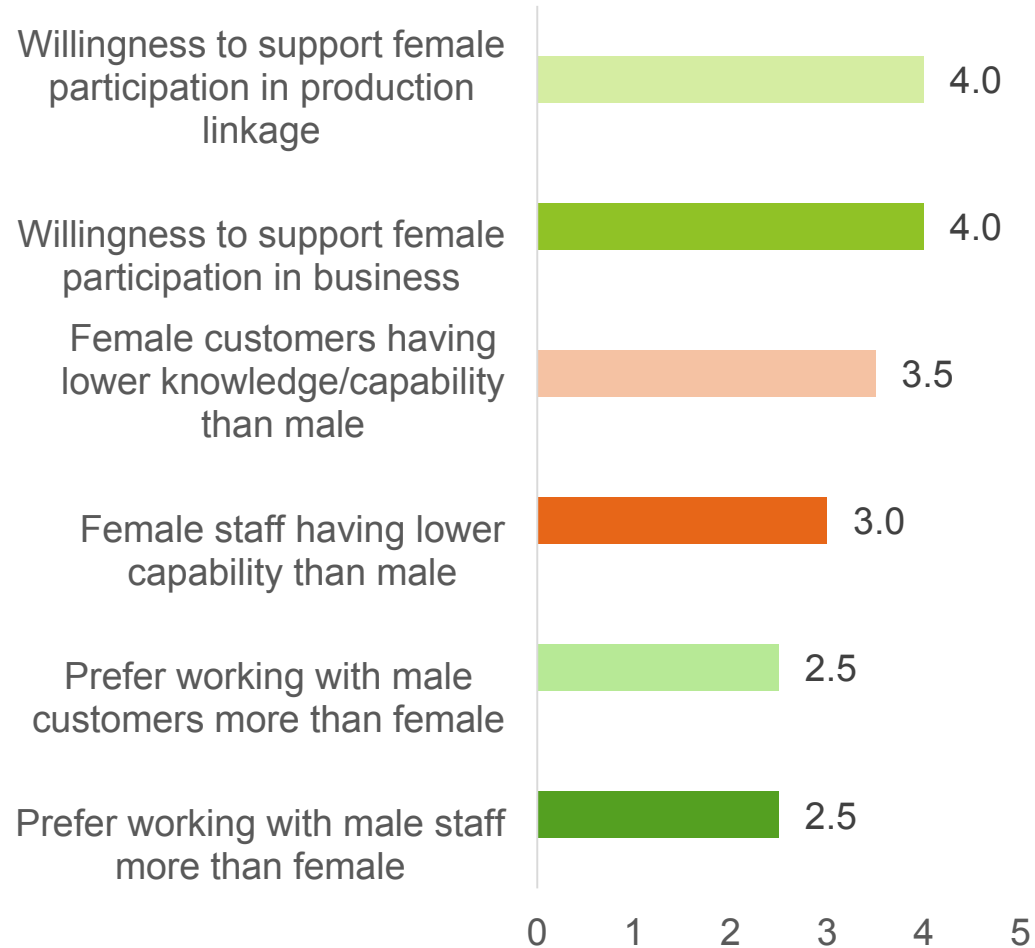


**Note:**

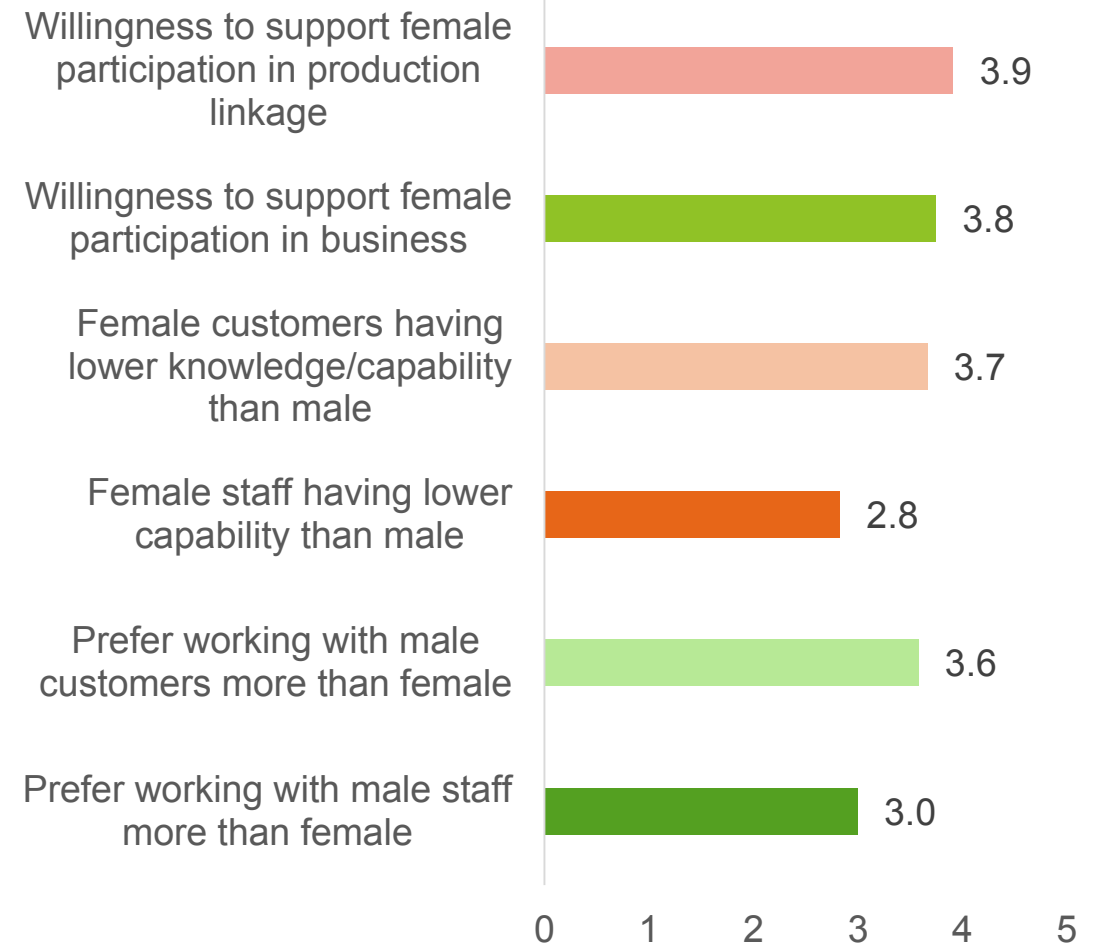
- Thai Binh: They rate 4.3 points, which means between 'Agree' and 'Strongly agree' for the statement that "women need more health care and health protection guidance in training courses"
- Kien Giang: farmers who are a little younger, their feedback is between 'Neither agree nor disagree' and 'Disagree'

# Traders' perceptions on gender preference, gender capability and willingness to support females

NORTH



SOUTH





# Key findings

In both regions, the climate-smart model sees more women participating than traditional models.

Still has gender stereotype which indicates the specific role of gender on perceptions and decision power in rice farming and rice business

Women labor lack information of off-farm work opportunities and are unequal in approach to vocational training courses and communication and discussion on work opportunities.

In Northern provinces, family labor share information on production and economic activities, but making decisions to take out the loan/credit is usually made by women (70%).

Women in the North seem to take responsibility for too many activities in their daily life rather than women in the South.

The negative effects of the working environment and chemical residuals to the health have not been paid due attention and yet to be propagated via training in public services and community activities.

# Recommendations

- “ Increasing the training should be a must, because it will promote the application of climate-smart models, then increase the farmers’ income in the context of climate change.
- “ The application of mechanization should also be focused to increase production efficiency, as well as reducing human workload, which surely helps women to have more time to enjoy their lives or earn more income from other production activities.
- “ Job-creating (non-farm jobs) in the local areas should also be paid more attention to help farmers to gain more income.
- “ It is necessary to run social communication campaigns to support more participation of the family labors in capacity building training courses, especially in the North.
- “ Measures for improving the capability of women's associations should also be launched.
- “ Regarding farmers’ health care, support towards increasing social insurance participation should also be considered.
- “ It is necessary to raise awareness and convince enterprises to invest more in developing their farmers’ community.



THANK YOU!