



**CSAM**

Centre for Sustainable  
Agricultural Mechanization



**NIAM**

# 10<sup>th</sup> Regional Forum on Sustainable Agricultural Mechanization in Asia and the Pacific

*Gender Mainstreaming in Sustainable Agricultural Mechanization*

28-30 November 2023; Shanghai, China

## **Agricultural Mechanization and Smart farmer “WOMAN” in Thailand**

Ms. Phakwipha Sutthiwaree

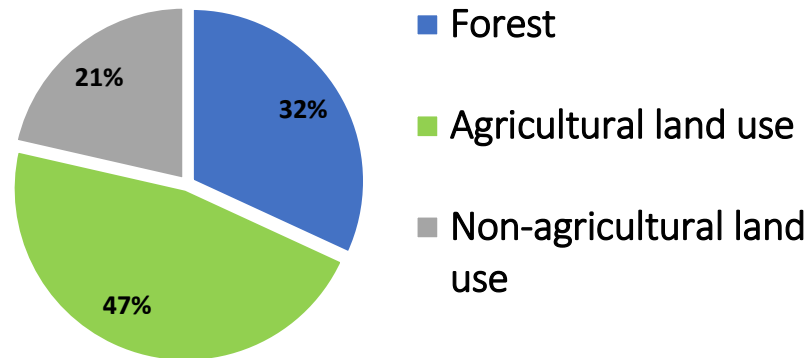
Agricultural Engineer/Director of Agricultural Engineering Research Center of  
Chantaburi Department of Agriculture, Agricultural Engineering Research Institute

## Agriculture and Agricultural Mechanization Status in Thailand

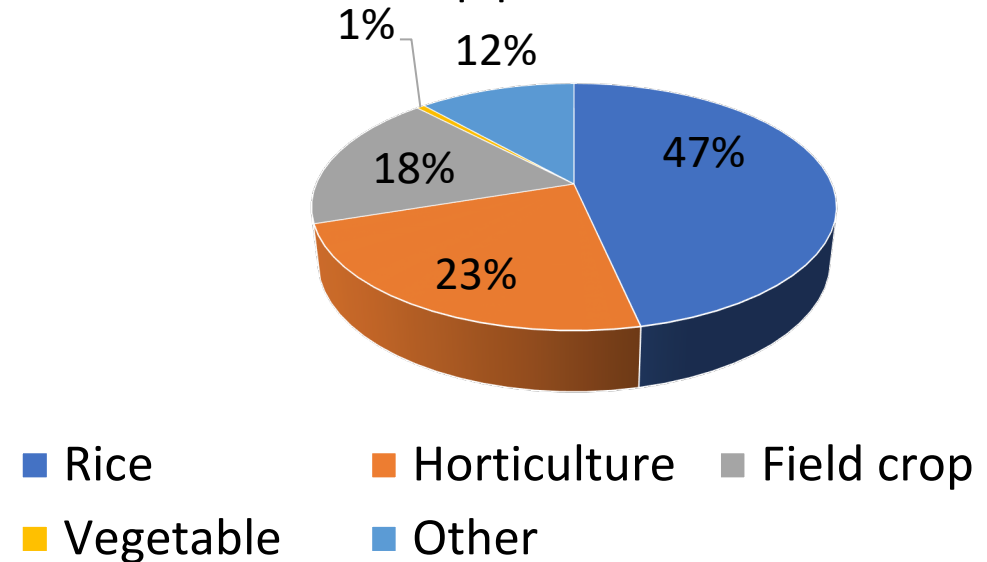
National population 66.09 million

Farmer popular 25.2% of total population

Land used in 2022

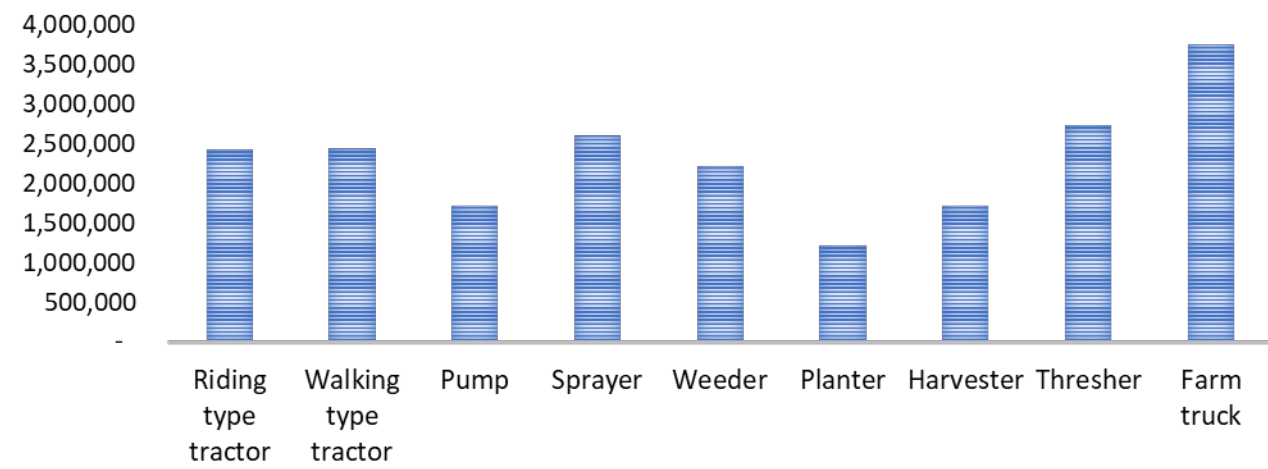


Main crop planted area



# Agriculture and Agricultural Mechanization Status in Thailand

## AGRICULTURAL MECHANIZATION IN THAILAND



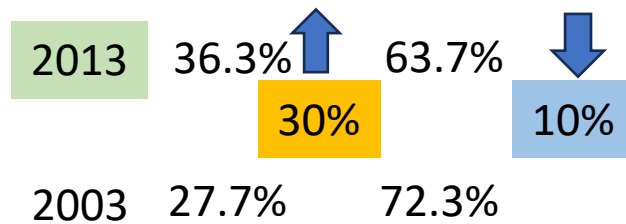
# Agriculture and Agricultural Mechanization Status in Thailand

- Smart Agriculture in Thailand

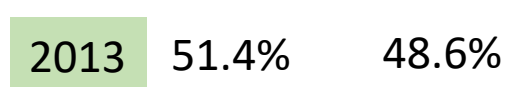


## Gender gaps in Thailand

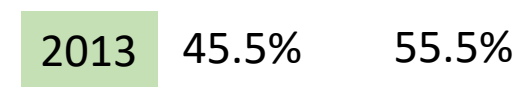
Farmer's gender ratio



Land's owner ratio

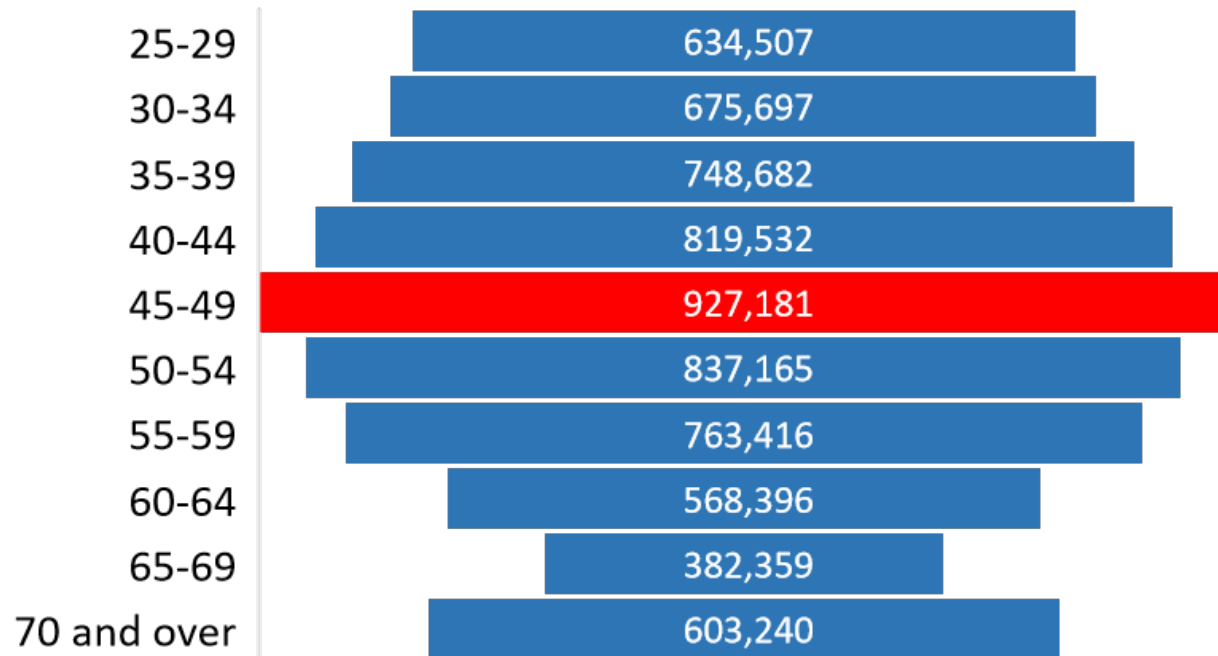


Agricultural permanent worker ratio

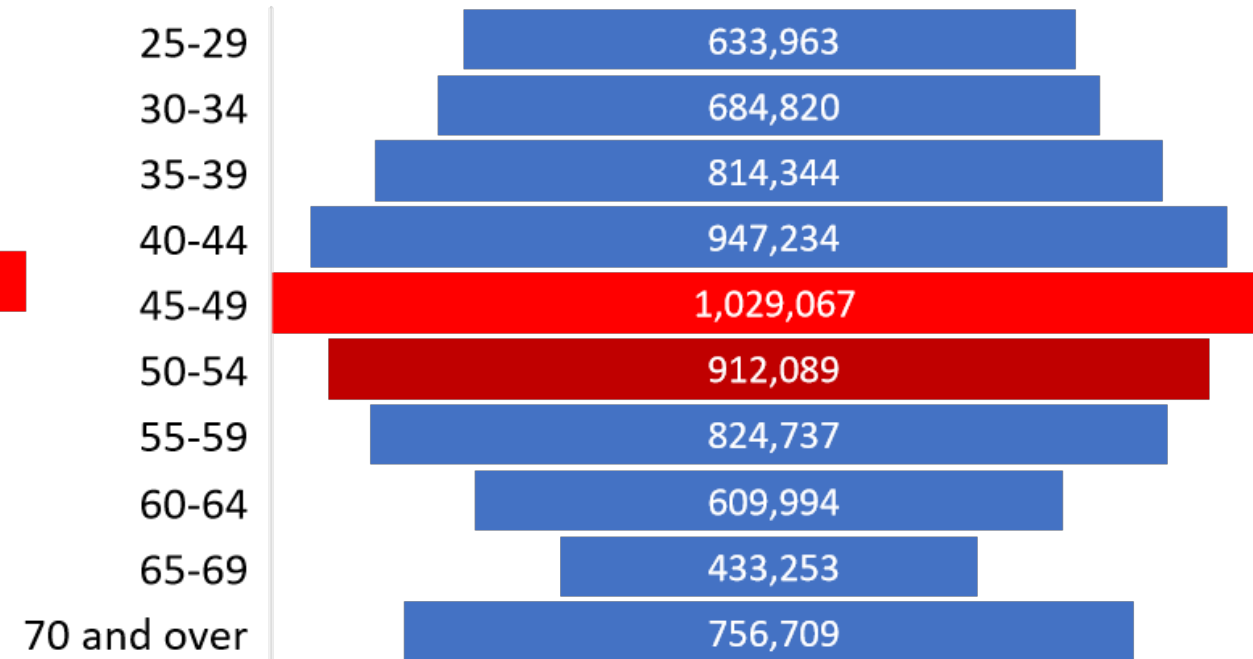


## Gender gaps in Thailand

Total man farmer

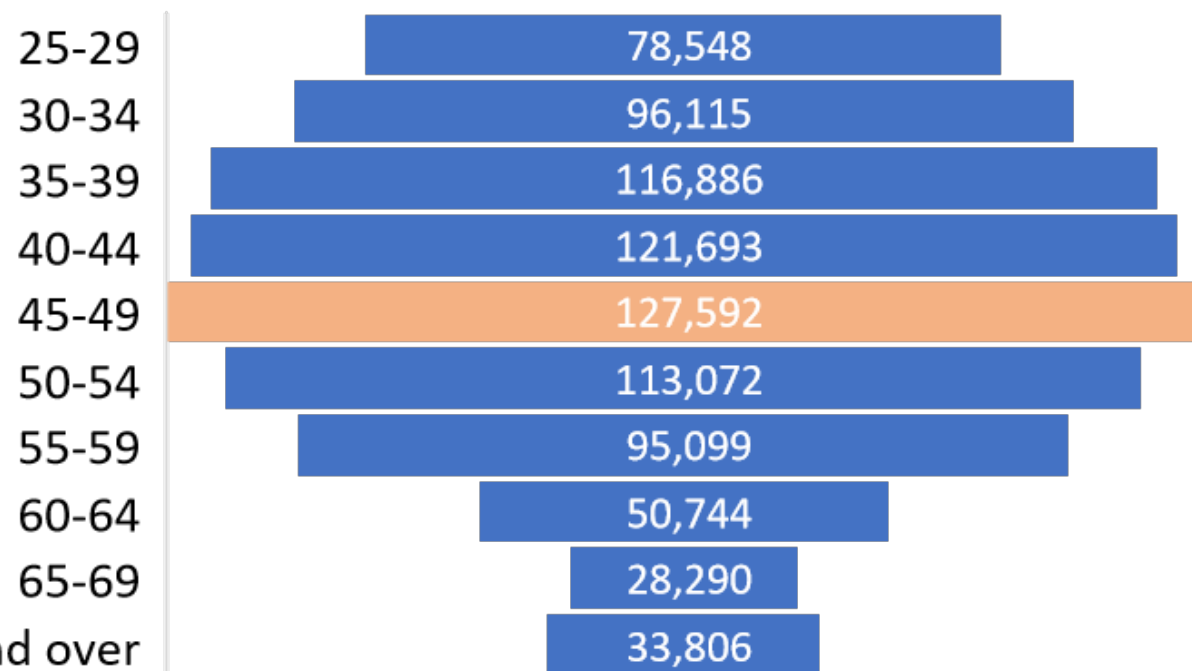


Total woman farmer

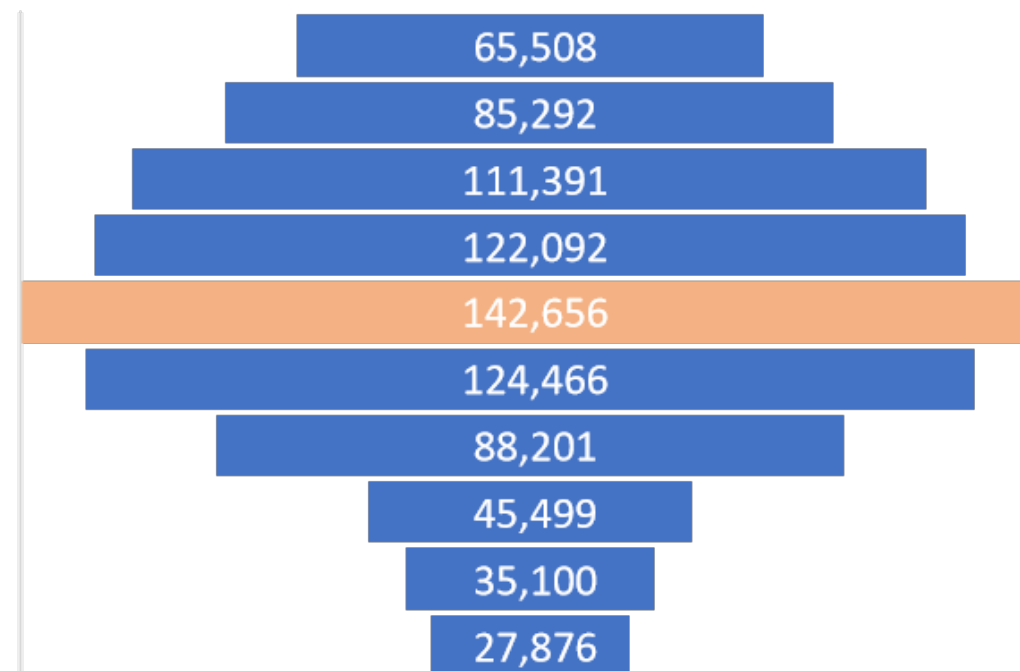


## Gender gaps in Thailand

### Total part time man farmer



### Total part time woman farmer



## Case study ” Smart woman farmer”

### Young Smart Farmer (YSF)

- : modern technology adopt in agricultural management
- : creation, innovation idea as new agricultural enterprise
- : self-reliable
- : network community
- : be a leader of agricultural





## Case study " Smart woman farmer"

1) คุณพกา มาศ เพิ่มแสงสุวรรณ เจ้าของไร่ทรงสุวรรณ



Organic farm  
Healthy food  
Modern trade

2) คุณทศพร เขมาชะ



Vegetable, "Fuk maew" healthy food

3) คุณณวิรัชญา มณีรัตน์



Livestock  
Vegetable

## Case study " Smart woman farmer"

4) คุณวันเพ็ญ นิสภาภณิชย์ เจ้าของไร่สบายจิต



Banana and bamboo Organic farm

5) คุณพภัสสรณ์ จีระราพันธ์



Vegetable  
Organic farm-  
Organic Space Thailand  
Wear me natural

6) คุณศิริวิมล และคุณวิลาสินี กิตะพานิชย์ เจ้าของไร่รื่นรมย์



ภาพจาก <https://www.posttoday.com>

Organic farm  
Restaurant hotel  
Activity for sustainable Agriculture

## Case study " Smart woman farmer"

7) คุณสุภารัตน์ คำมุงคุณ



Nurse->\_> vegetable, seedling,  
greenhouse for mushroom

8) คุณกาญจนา ลากุล เจ้าของนโมฟาร์ม



Soilless vegetable, organic farm

9) คุณรัชดา นุ่มหอม



Mixed farm  
New theory agriculture  
Fishery farm

## Case study " Smart woman farmer"

10) คุณบุญชอบ โมกข์ทอง



Cassava farm by new technology adopted

11) คุณธัญลักษณ์ จวงนาพิทักษ์กุล



System crop – Vegetable, lemon, melon,  
Mango, mushroom, cassava, bananb

12) คุณขวัญชนก และคุณเชษฐกานต์ เหล่าสุนทร เจ้าของแมคคีนีน้าฟาร์ม



Organic rice

## Recommendation & Suggestion

1. Agricultural machinery type
2. Smart agricultural system and smart modern agricultural mechanization
3. Value added of agricultural products

# Thank you



**CSAM**

Centre for Sustainable  
Agricultural Mechanization



**NIAM**