

4th International Conference Organic Rice Farming and Production Systems  
Tohoku Univ., Sendai, Japan, 4 September 2023

***Session 1 :***

**Trends in Organic Rice Production  
- Japan, South Korea, Thailand and France**

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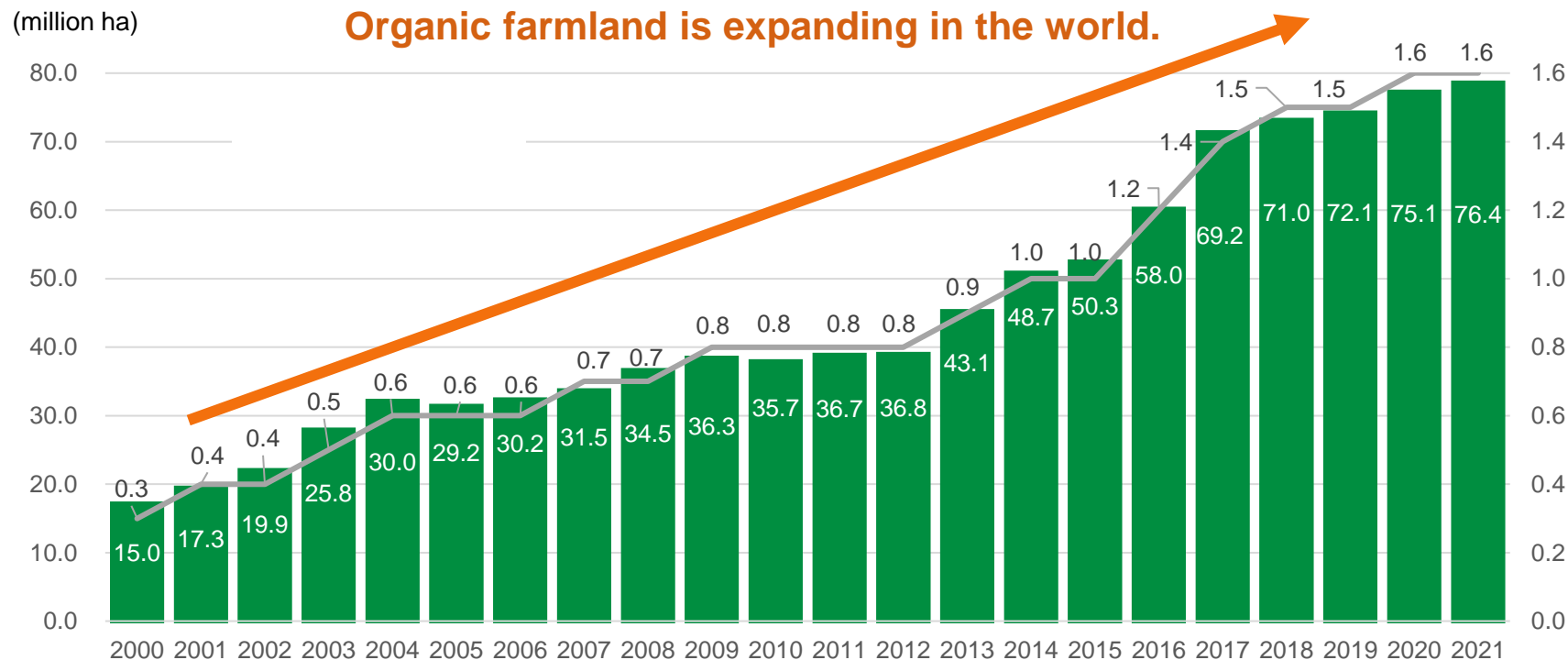
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# Trend of Organic Farmland in the World

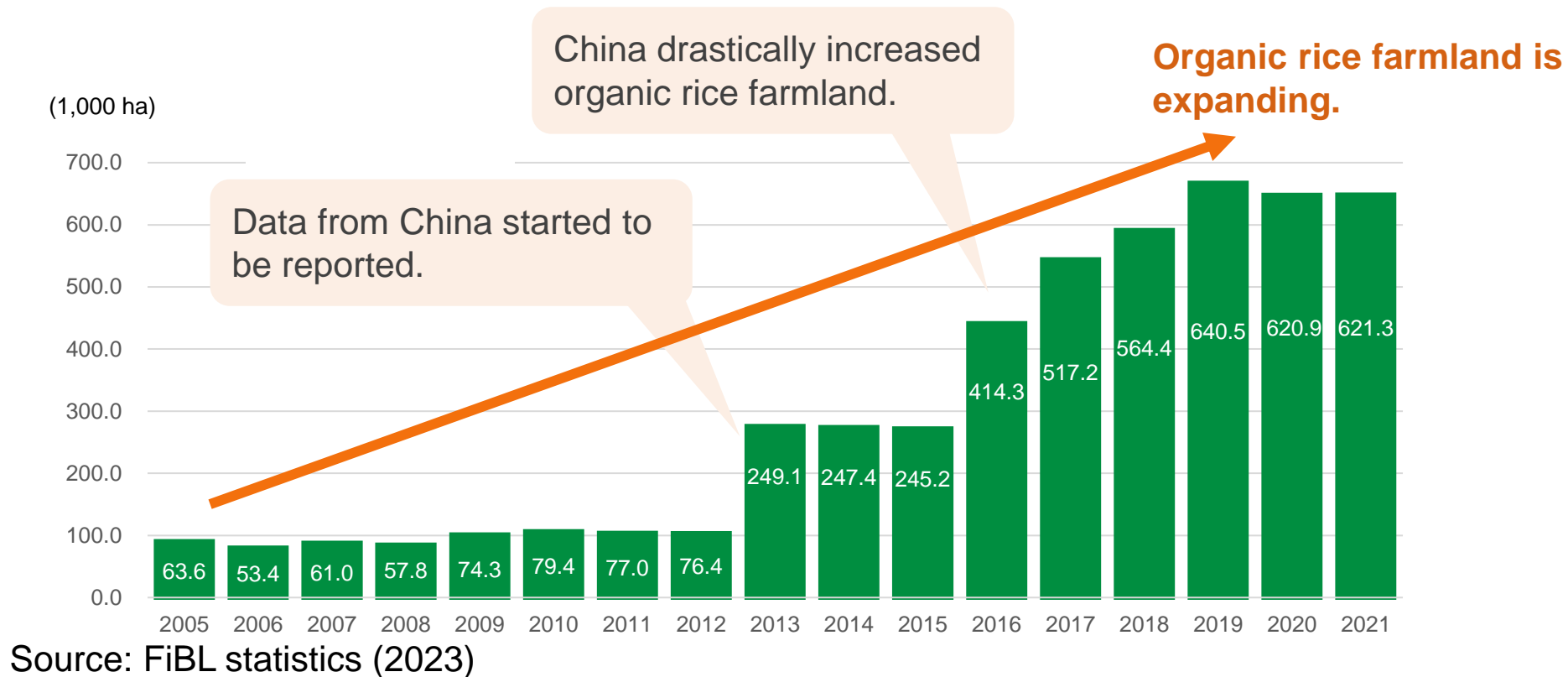


Source: FiBL-IFOAM-SOEL Surveys 2001-2023

**Fig. 0-1. Trend of Organic Farmland**

(図0-1. 世界の有機農地面積の推移)

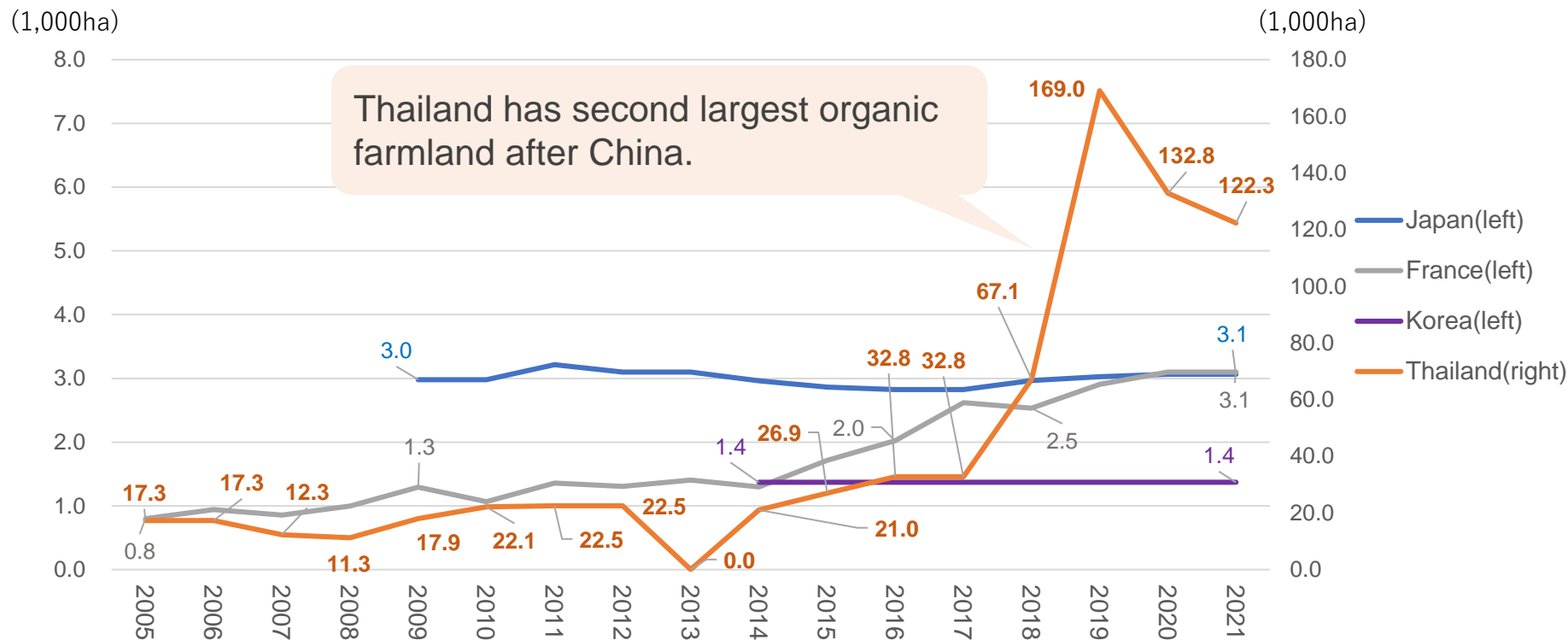
# Trend of Organic Rice Farmland in the World



**Fig. 0-2. Trend of Organic Rice Farmland**

(図0-2. 世界の有機米生産面積の推移)

# Trend of Organic Rice Farmland in 4 countries



Source: FiBL statistics (2023)

**Fig. 0-3. Trend of Organic Rice Farmland in 4 countries.**

(図0-3. 4か国の有機米実施面積の推移)

# Organic Rice Production

Especially in Asia monsoon area, rice farming play an important role in food production.

In this Session, the presenters provide bird's eye view of the organic rice production in

- **Japan**
- **South Korea**

And **regional organic rice production economy** in

- **Yasothon Province in Thailand**
- **Camargue area in France**

**Session1: Trends in Organic Rice Production- Japan, South Korea, Thailand and France**  
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# **The Prevalence of Organic Rice Production in Japan:** An Overview from the Census of Agriculture and Forestry

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# 1

## Background

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# Strategy for Sustainable Food Systems, *MIDORI*

(MAFF, 2023a)

“MIDORI”, the medium-long term strategy will pave the way for the future.

- Enhancing engagement of stakeholders at each stage of food supply chains
- **Promoting innovation to reduce environmental load**

By2050, MAFF aims to achieve;

- **Zero CO<sub>2</sub> emission from fossil fuel combustion in agriculture, forestry and fisheries**
- **50% reduction in risk-weighted use of chemical pesticides by dissemination of the Integrated Pest Management and newly-developed alternatives**
- **30% reduction in chemical fertilizer use**
- **Increase in organic farming to 1 million ha (equivalent to 25% of farmland)**
- At least 30% enhancement in productivity of food manufacturers (by 2030)
- Sustainable sourcing for import materials (by2030)
- 90% and more superior varieties and F1 plus trees in forestry seedling
- 100% of artificial seedling rates in aquaculture of Japanese eel, Pacific bluefin tuna, etc.

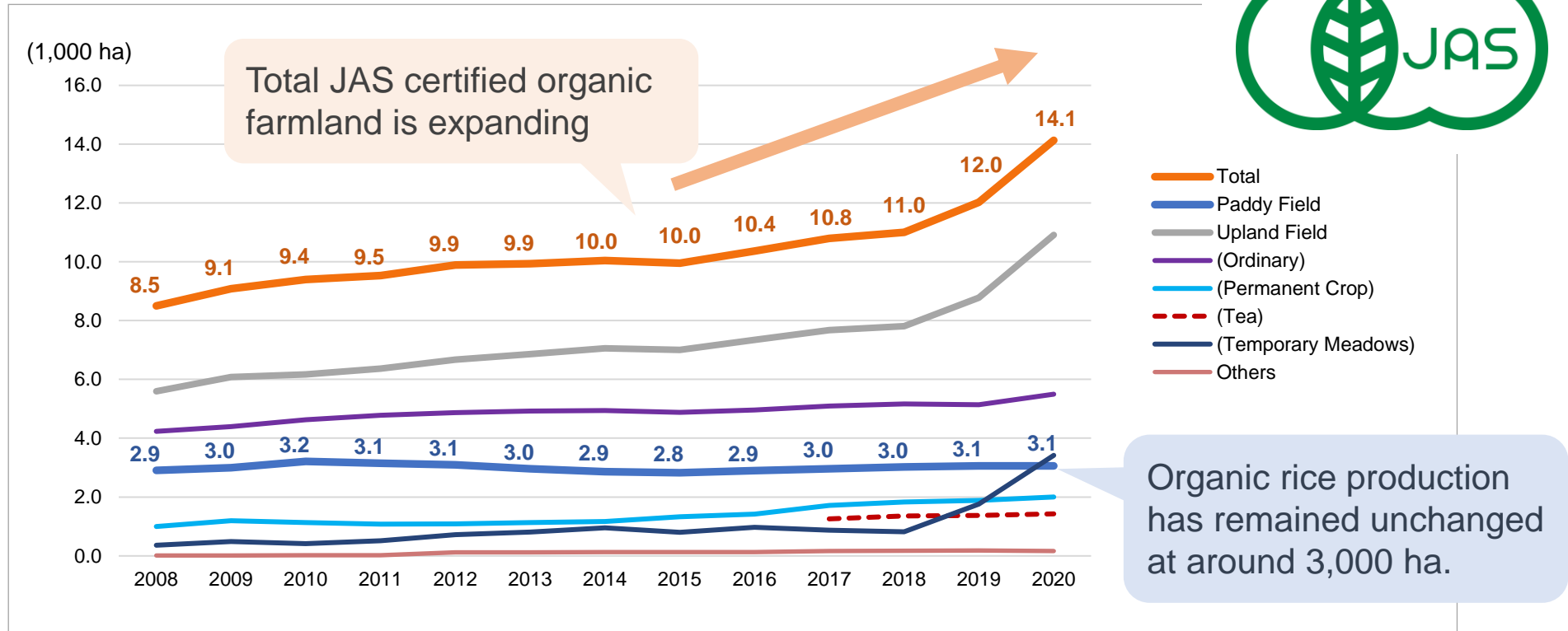
MAFF (2023a)

**2****Overview of Organic Rice Production in Japan**

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# From JAS\* Certification

(\* JAS: Japanese Agricultural Standards)

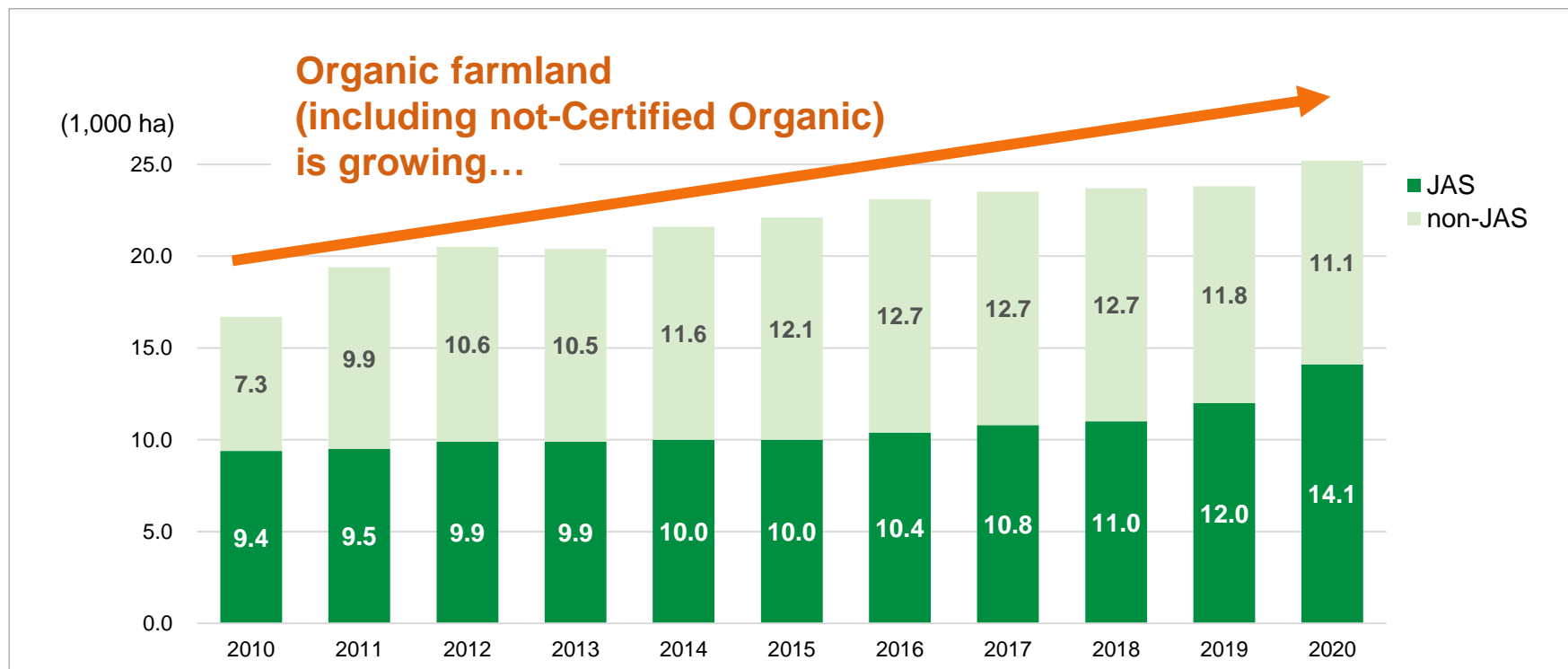


Source: Stats. of JAS certification in each year

Note: Tea is included in Permanent Crop.

**Fig. 1. Trend of JAS Certified Organic Farmland** (図1. JASを取得したほ場面積の推移)

# Trend of JAS Certified and Not-Certified Organic



Source: MAFF (2023b)

**Fig. 2. Trend of Organic Farmland (including not-Certified Organic Farmland)**

(図2. 有機農業実施面積の推移(JASを取得していないほ場を含む))

# From the Census of Agriculture and Forestry

- ✓ The survey was conducted by the Census of Agriculture and Forestry in order to understand the introduction of organic farming practice as a whole, not only certified by JAS.

Note: Organic agriculture as captured by the Census of Agriculture and Forestry could include “self-described” organic agriculture.

### Table 1. Introduction of Organic Farming (OF) Practice by Census (in 2020)

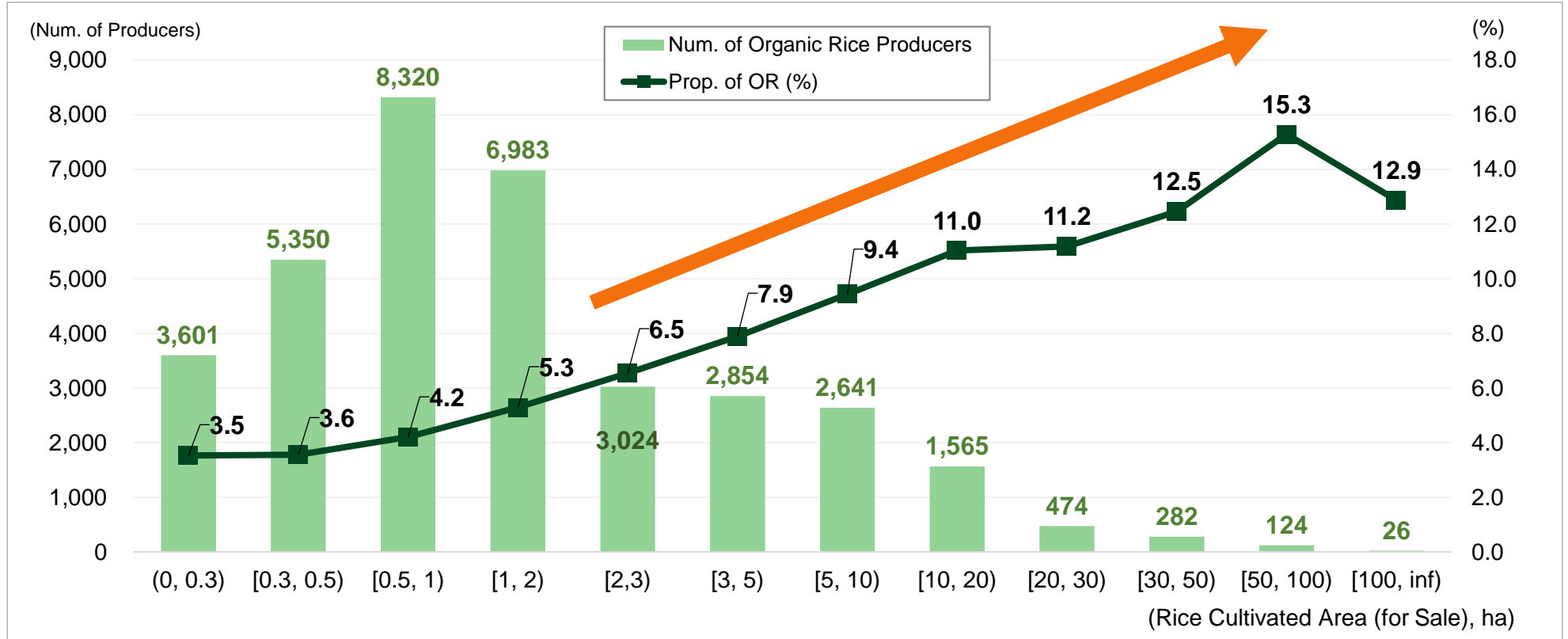
(表1. 2020年農林業センサスによる有機農業の実施状況)

	Num. of Producers	(Prop. of OF)	Cultivated Area (ha)	(Prop. of OF)
Num. of Producers	1,075,705	-	-	-
Cultivate Rice	713,792	-	1,285,654	-
<b>Organic Rice</b>	<b>35,244</b>	<b>4.9%</b>	<b>60,624</b>	<b>4.7%</b>
Cultivate Maize	49,731	-	132,084	-
Organic Maize	2,862	5.8%	5,122	3.9%
Cultivate Vegetables	282,543	-	264,734	-
Organic Vegetables	24,647	8.7%	18,435	7.0%
Cultivate Fruits	172,528	-	126,819	-
Organic Fruits	12,750	7.4%	9,630	7.6%
Others	-	-	-	-
Other Organic	6,598	-	21,458	-

# By Prefectures

Link to the Webpage of map  
(tentative)

# Organic Rice Producers in Each Scale

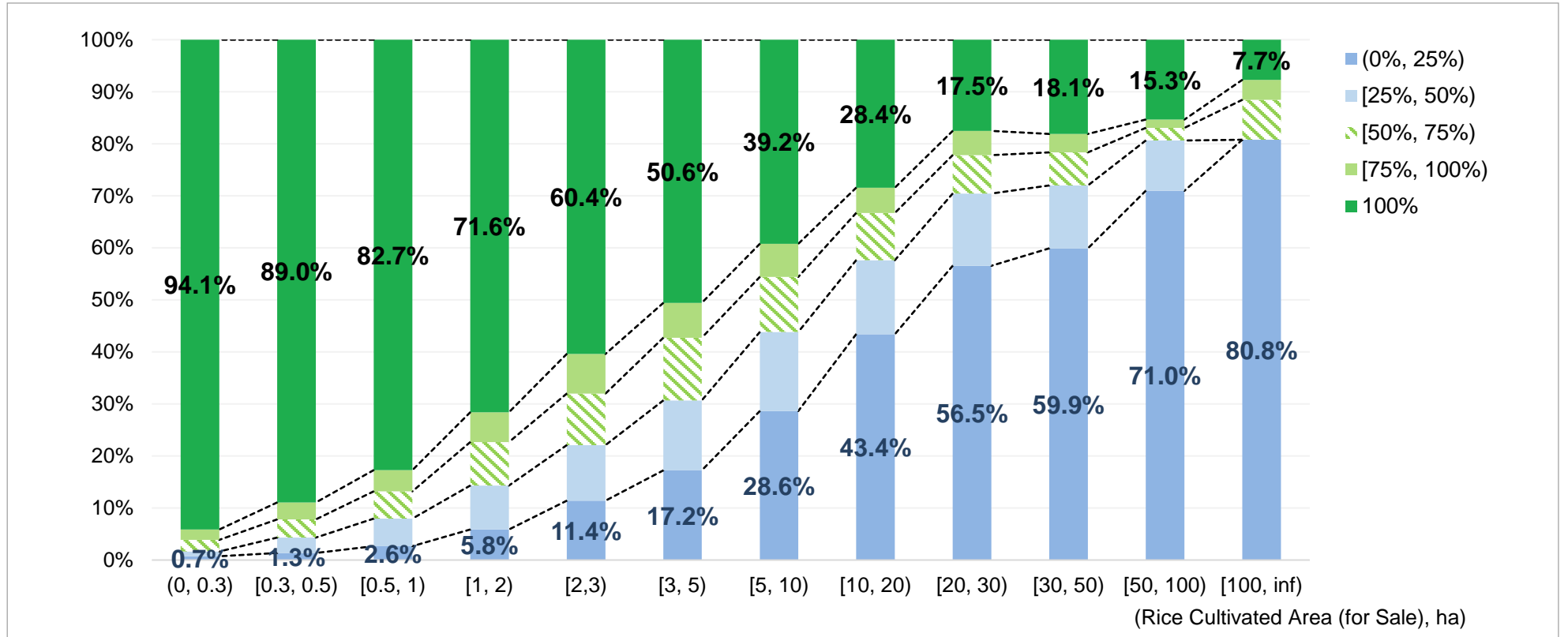


**Fig. 3. Organic Rice (OR) Producers in Each Scale (Rice Cultivated Area)**

(図3. 水稲作付面積規模別の水稲で有機経営を行う経営体数)



# Percentage of Organic Farmland in Organic Producers



**Fig. 4. Percentage of Organic Farmland in Each Scale (Especially in Organic Rice Producers)**

(図4. 有機農業実施経営体における水稲作付面積全体に占める有機面積の割合)

**3****For Farther Expansion**

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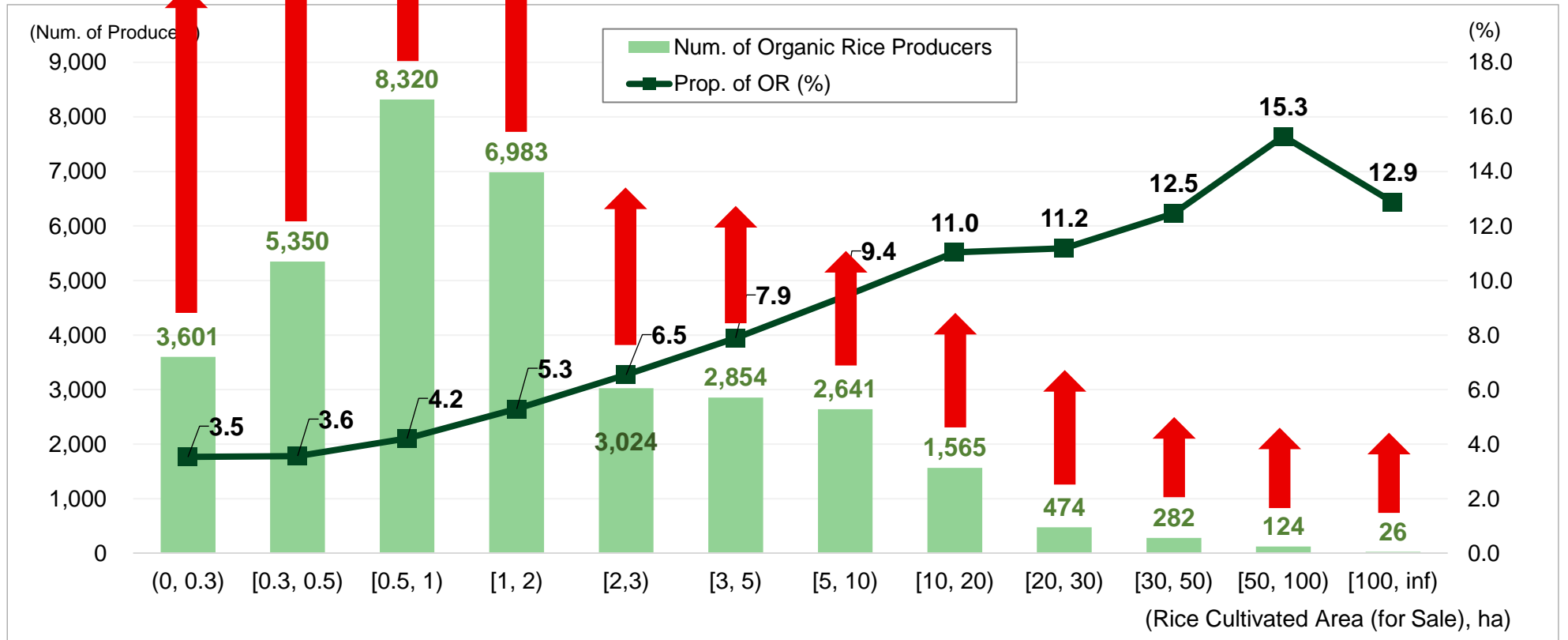
# What is Needed?

These results suggest that it is necessary to consider both.

- **increasing the number of organic producers**
- **Increasing the area of organic farming for each producer**

∴ Larger producers tend to introduce organic farming practice  
but they introduce organic farming only in a small part of their plot.

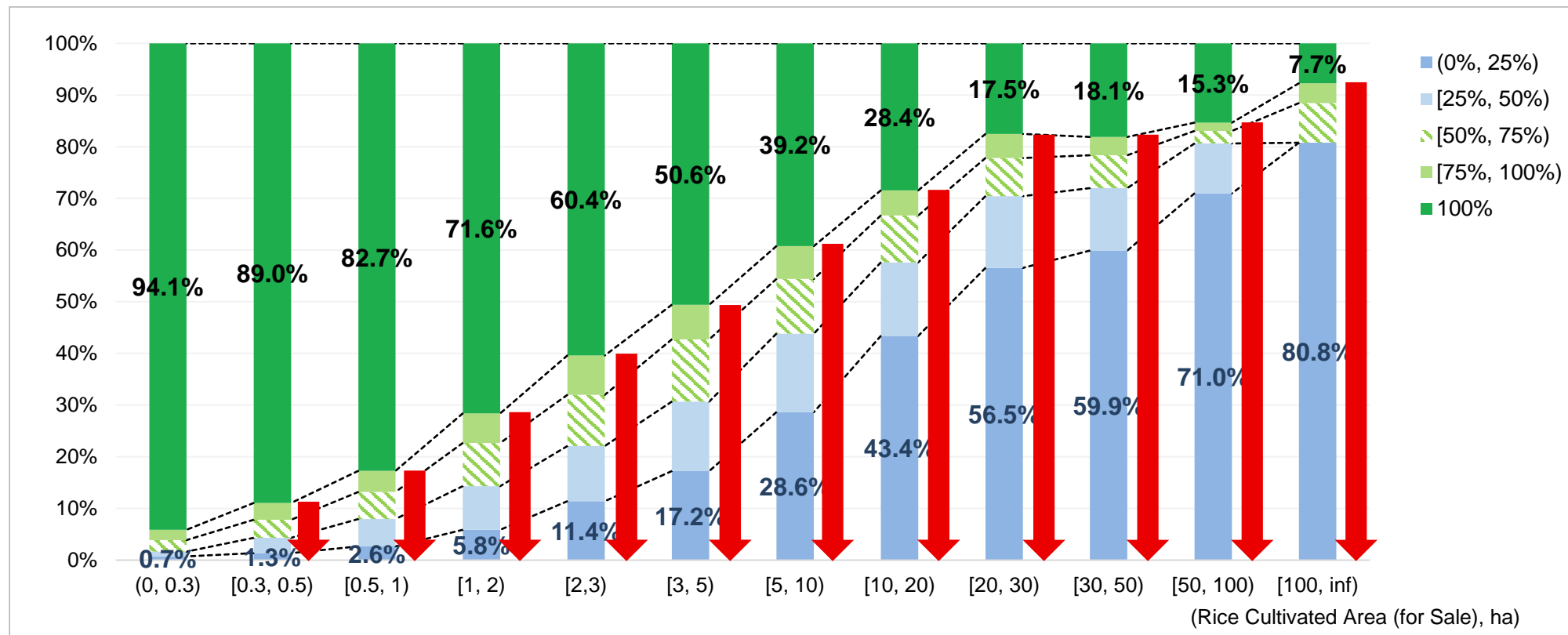
# Organic Rice Producers in Each Scale



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# Percentage of Organic Farmland in Organic



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(図4. 有機農業実施経営体における水稲作付面積全体に占める有機面積の割合)

# References

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