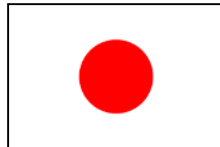


International Workshop on  
“Scaling up and out of climate-smart  
technologies and practices  
for sustainable agriculture”  
in Japan, 2019

Agriculture, Forestry and Fisheries Research Council Secretariat (AFFRCS),  
Ministry of Agriculture, Forestry and Fisheries of Japan



**MAFF**  
Ministry of Agriculture, Forestry and Fisheries



9<sup>th</sup> Meeting of Agricultural Chief Scientists  
(18<sup>th</sup> – 19<sup>th</sup> February 2020, Khobar, Saudi Arabia)

# 1. Rationale and Objectives



At the 8<sup>th</sup> MACS-G20, G20 members supported the proposal from Japan to hold an **international workshop** to share the experiences of G20 countries and invited guests, and the latest information and facilitate research collaboration in the development and scaling up and out of **climate-smart technologies and practices** for sustainable agriculture.



## 2. Summary of activities



Phase	Title	Timeline
1	8 <sup>th</sup> G20-MACS	April 2019
2	Collection and analysis of case studies	August - October 2019
3	International workshop held	November 2019
4	Final report compiled and submitted to 9 <sup>th</sup> G20-MACS	February 2020
5	Further activities TBD	

# 3. Participants to the WS



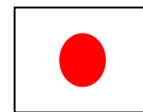
14 countries

- Australia
- Canada
- China
- France
- India
- Indonesia
- Italy
- Japan
- Netherlands
- Republic of Korea
- Russian Federation
- Saudi Arabia
- United Kingdom
- United States of America
- (Brazil: video presentation)

1 international organizations

CGIAR CCAFS

## 4. Main lessons learned from country experiences



### (1) Collaboration with policy

Research institutes can facilitate scaling up and out of climate-smart technologies and practices **by collaboration with national/local agricultural policy.**

### (2) Collaboration with private sector

Research institutes can facilitate scaling up and out of climate-smart technologies and practices **by co-designating business models with the private sector.**

### (3) Collaboration with farmers

Scaling up and out of climate-smart technologies and practices can be accelerated **by engaging farmers in the center of development, introduction and on-farm trials of technologies.**

### (4) International and regional collaboration

**International and inter-regional research collaboration** can facilitate scaling up and out of climate-smart technologies and practices.

## 5. Findings



Research organizations can significantly contribute to sustainable agriculture, and eventually to transformation of the food system.

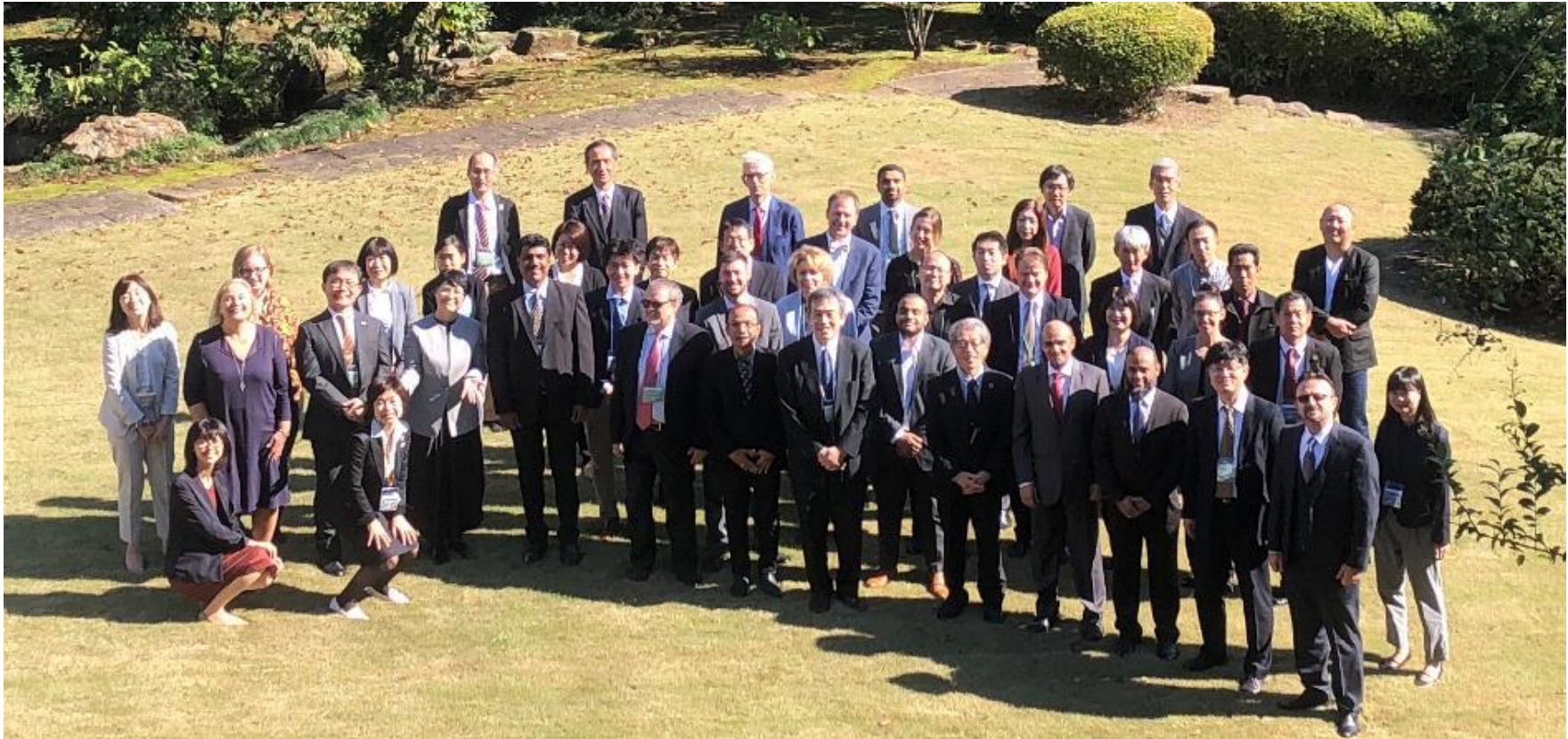
1. **Acceleration of** scaling up and out of climate-smart technologies and practices **is a priority** in the agriculture sector.
2. Research organizations should introduce **landscape-level approaches** covering the entire agricultural and social landscape.
3. Research organizations should provide **on-site evidence** to stakeholders, through monitoring and data collection. It is also important to provide **evidence-based advices** and support **capacity building of stakeholders**.
4. It is efficient and effective for scaling up and out of climate-smart technologies that research organizations collaborate with **policy makers, private sectors, farmers** and **international and foreign research institutes**.

## 6. Opportunities and the ways forward



1. Further discussion is required on approaches for scaling up and out of climate-smart technologies and practices.
2. Research organizations can contribute to scaling up and out of climate-smart technologies and practices by collaborating with policy makers.
3. Research organizations can contribute to scaling up and out of climate-smart technologies and practices by collaborating with the private sector.
4. Research organizations can accelerate introduction, scaling up and out of climate-smart technologies and practices by engaging farmers in the center from the initial stage of research.
5. Research organizations can accelerate scaling up and out of climate-smart technologies and practices by international and inter-regional collaboration.

# 7. Conclusions



- ◆ Workshop completed in accordance with the proposal at 8<sup>th</sup> MACS.
  - ◆ Further activities to be decided in consultation with stakeholders
- Follow-up activities including conducting further analysis of the case studies and organizing a second workshop are being considered.



# 【 Field Trips 】



Participants visited several sites in Chiba on November 7<sup>th</sup> 2019.



# 【 Report 】



***Thank you for  
your attention!***



**Final Report on the  
“International Workshop on  
Scaling up and out of Climate-  
smart Technologies and Practices  
for Sustainable Agriculture”**

Summary of the Workshop -

February 2020

All the information, including the Final Report and Presentation Materials of the workshop is available at;

[https://www.maff.go.jp/e/policies/env/climate\\_smart\\_ws\\_2019.html](https://www.maff.go.jp/e/policies/env/climate_smart_ws_2019.html)

