## Discussion framework and guiding question

The discussion framework helps participants to keep our goals (data-driven policy actions and consumer trust in the food system) in mind, providing the following three discussion themes:

> Accuracy of primary data:

In this session, speakers and participants will discuss the bottleneck to ensure the accuracy of data, in particular from the perspective of measurement methodology and standardization (with examples of specific calculation tools).

- ✓ What is the bottleneck to disseminate the one measuring method?
- ✓ What are the challenges to make a guideline at farm level or for agriculture?
- > Access to secondary data inventory:

In this session, speakers and participants will discuss how to develop an accessible and easy-to-use data inventory, and how to incentivizes data measurement and reporting.

- ✓ What is the most important factor for the data inventory (Accessibility, UI, UX, affordability/free to access)?
- > Consistency in green claim and labelling:

In this session, speakers and participants will share green claims and ecolabels in their respective economies and discuss how they can help to build consumer trust in the food system.

- ✓ Does your economy have economy/voluntary green claim/labelling?
- ✓ How does it help consumer to make sustainable choice?
- ✓ Does it have pragmatic/scientific evidence on what the label indicates (carbon free/GHG reduction)?

## Graph1. Discussion framework

	Graph 1. Discussion framework						
	Current Status	Challenges (gaps)	Possible Actions	Guiding Questions	Goals		
Accuracy of primary data	There are various measuring methods and services Most of them applied GHG Protocol	Although it follows GHG protocol, there is divergence in the outputs among methods	Disseminate the authorized method     Make an additional guidance at farm level	<ul> <li>What is the bottleneck to disseminate the one measuring method?</li> <li>What are the challenges to make a guidelines at farm level or for agriculture</li> </ul>	Data-driven policy action:  • Clear targets with quantified indicators		
Access to secondary data inventory	There are national or sub-national level inventory	Lack of farm level data inventory	<ul> <li>Building reporting system from farm</li> <li>Provide incentive to measure and report</li> </ul>	What is the most important factor for the data inventory (Accessibility, UI, UX, affordability/free to access)?	Indicators should be standardized		
Consistency in green claim and labelling	There are various green claims and labelling systems without standard	• Lack of consistency	mechanism for fair and consistent green claims	Does your economy has national/voluntary green claim/labelling? How does it help consumer to make sustainable choice? Does it have pragmatic/scientific evidence on what the label indicate (carbon free/GHG reduction)?	Consumer trust in the food system:  Clear and easy to understand green claims and ecolabels  Access to evidence of these claims and labels		

## 1. Speakers

Graph2. Speakers List

No	Name	Job title/organization	Economy	Theme	Presentation title
1	Mr. Shunsuke Tsuboi,	CEO, Sagri	Japan	1. Accuracy of primary data	Promoting carbon farming through the utilization of smart agriculture method using satellite data and AI in the APEC region - Japanese startup, Sagri approach in APEC
2	Dr. Yasuhito Shirato	Senior researcher, National Agriculture and Food Research Organization	Japan	2. Access to secondary data inventory	Modelling soil carbon for National GHG inventory, NDCs, and decision-support tool
3	Mr. Wes Hanson	Agricultural Economist, U.S. Department of Agriculture	United States		Quantifying Greenhouse Gas Fluxes In Agriculture and Forestry: Methods for Entity- Scale Inventory (Second Edition)
4	Mr. Li Xun	Principal Scientist, China Agricultural Machinery Distribution Association	PRC		Building a low-cost and accessible data infrastructure for small stakeholders
5	Dr. Michael Crawford	CEO, Cooperative Research Centre for High Performance Soils	Australia		Improving access to soil data for improved decision making
6	Ms. Katina Dove Hanson	Acting Senior Advisor, U.S. Department of Agriculture	United States	3. Consistency in green claim and labeling	Expanding Climate-Smart Markets through Partnerships for Climate-Smart Commodities in the U.S.
7	Mr. Masayuki Oda	MAFF officer, Ministry of Agriculture Forestry and Fisheries	Japan		Visualization of Environmental Burden Reduction Efforts in Japan



Workshop on Addressing Food Security Challenges by Promoting Data Driven Policymaking Trujillo, Peru Aug 17, 2024