

# Reimagining Food Systems - Coping with Uncertainty and Shocks (REFOCUS) Food System toward Resilience



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Poon Thiengburanathum, Pongtip Thiengburanathum (Chiang Mai University)

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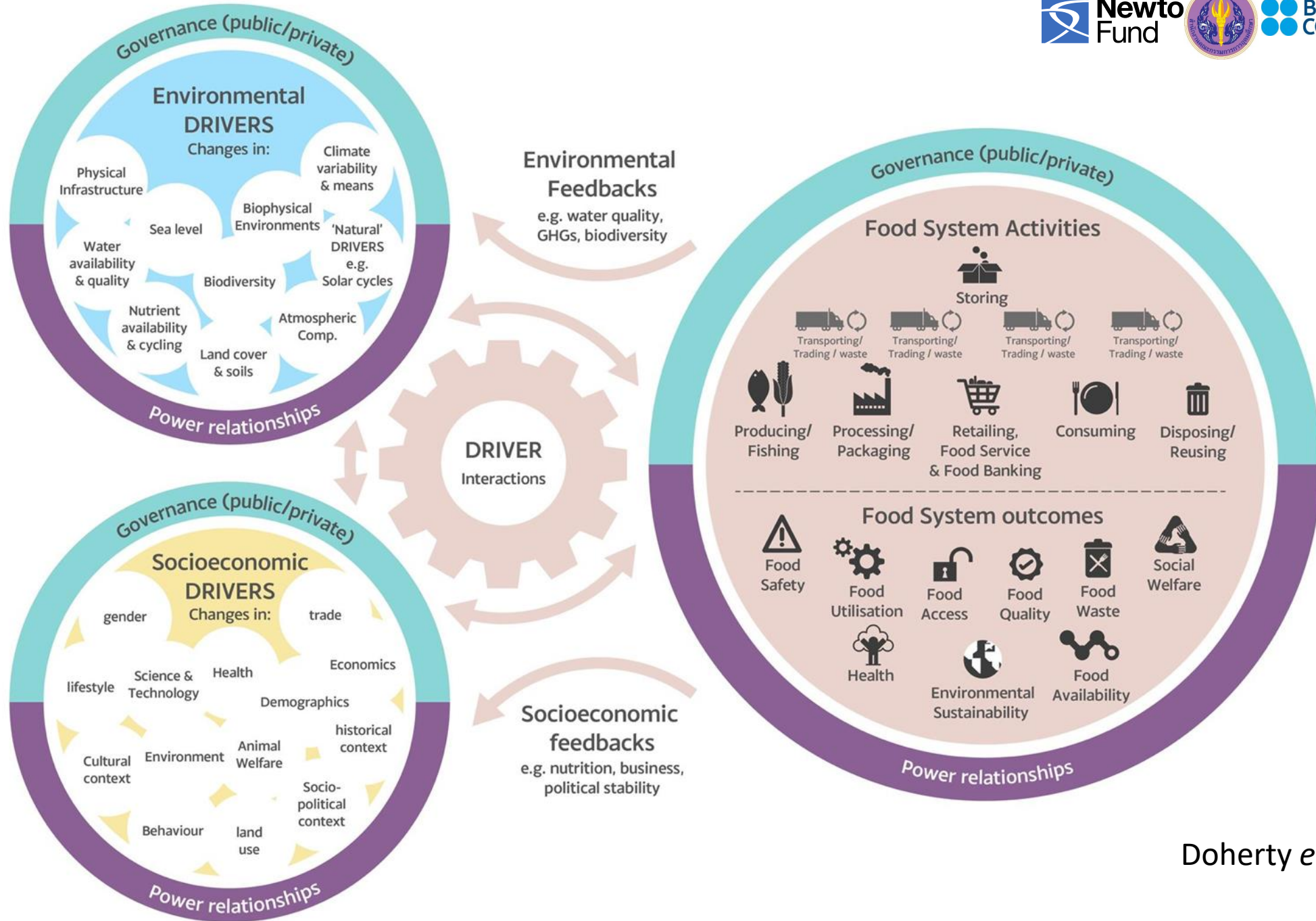
Richard Friend (University of York)

# Project introduction – the problem statement









Doherty *et al.* (2019)





What did the project specifically do?



## Test and refine tools through a series of multi-stakeholder workshops (farmers, consumers, private sector, government) at local & national levels

- Prepare materials for diagnosis and dialogue – supporting training
- Document lessons learned (video, policy briefs, peer review papers)
- Dissemination – wider audience, wider application



Co-develop, test and apply tools for participatory diagnosis and dialogue of food systems fragility and resilience

- Identifying components of food systems (natural resources, infrastructure, technologies, institutions, actors)
- Assessing fragility and criticality of failure
- Resilience self-assessment and dialogue tools





	High business	Consumers	Middle man	State
High business	High business High business High business	High business High business High business	High business High business High business	High business High business High business
Urban Consumers	Urban Consumers Urban Consumers Urban Consumers	Urban Consumers Urban Consumers Urban Consumers	Urban Consumers Urban Consumers Urban Consumers	Urban Consumers Urban Consumers Urban Consumers
Middleman	Middleman Middleman Middleman	Middleman Middleman Middleman	Middleman Middleman Middleman	Middleman Middleman Middleman
State	State State State	State State State	State State State	State State State

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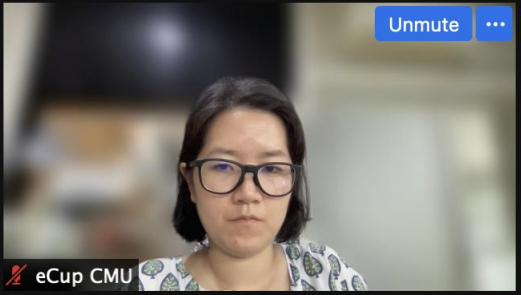
Zoom Meeting

Recording

View



Vincent



eCup CMU

Unmute



WRM



Poon T



Joint & Gent



NATTAPHOL - ECUP



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Proud



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parichard kasamsuk



Sudarat Ploy



Weraphong

Unmute Stop Video

Participants 14

Chat

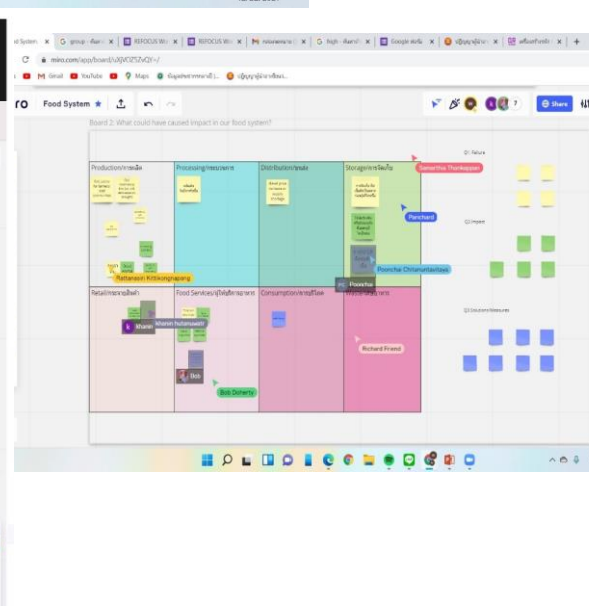
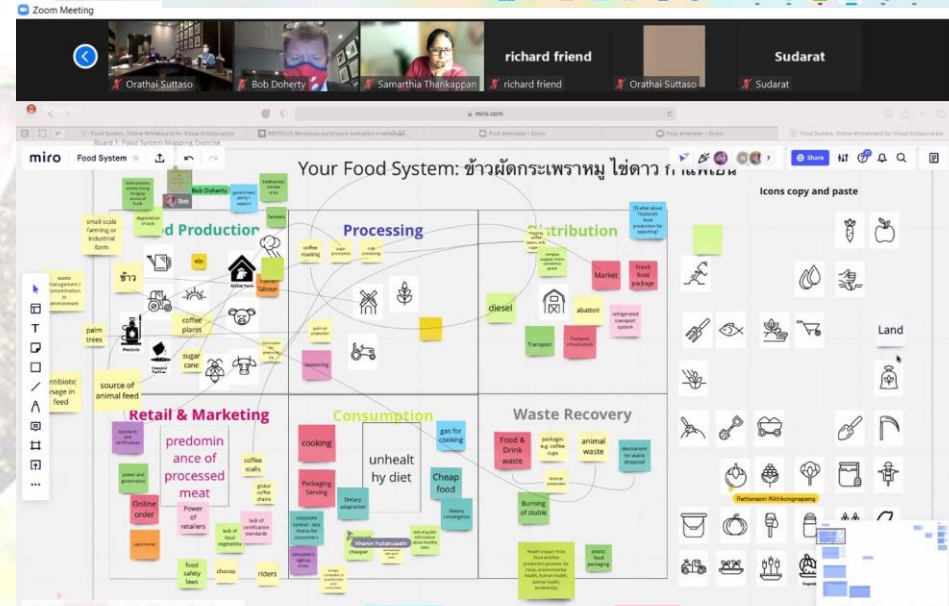
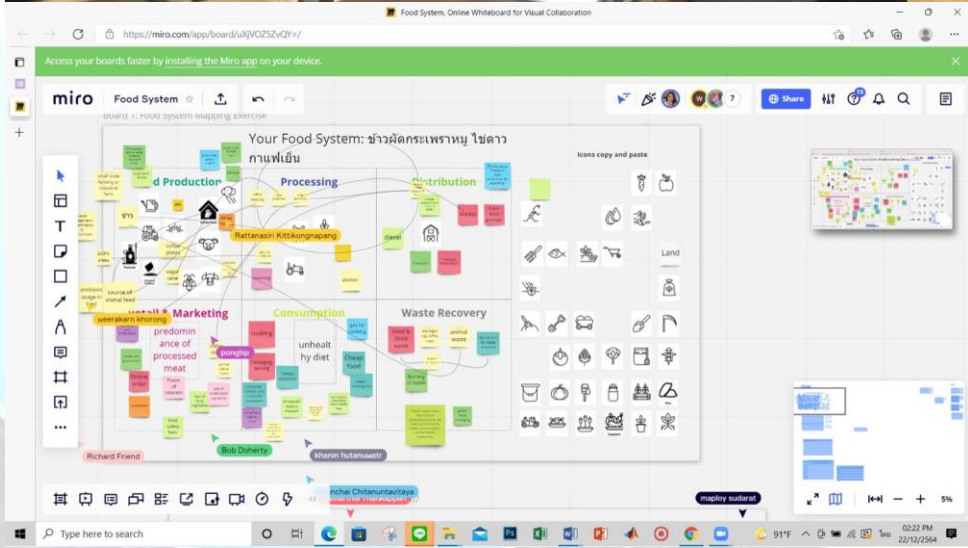
Share Screen

Record

Reactions

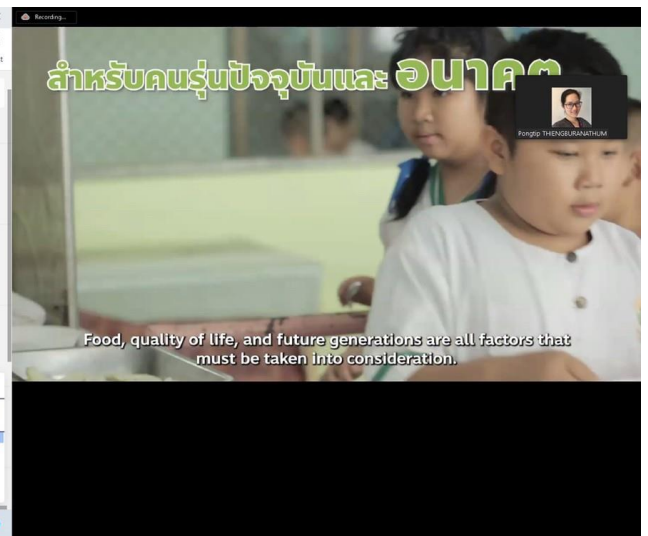
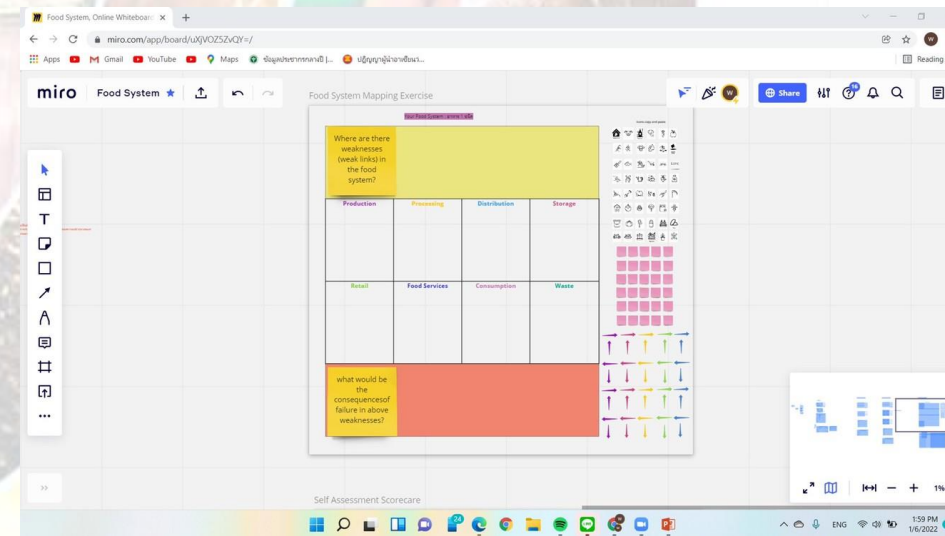
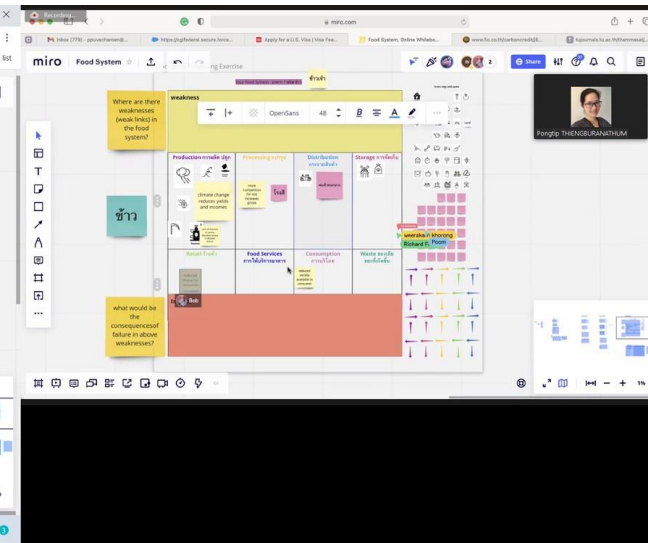
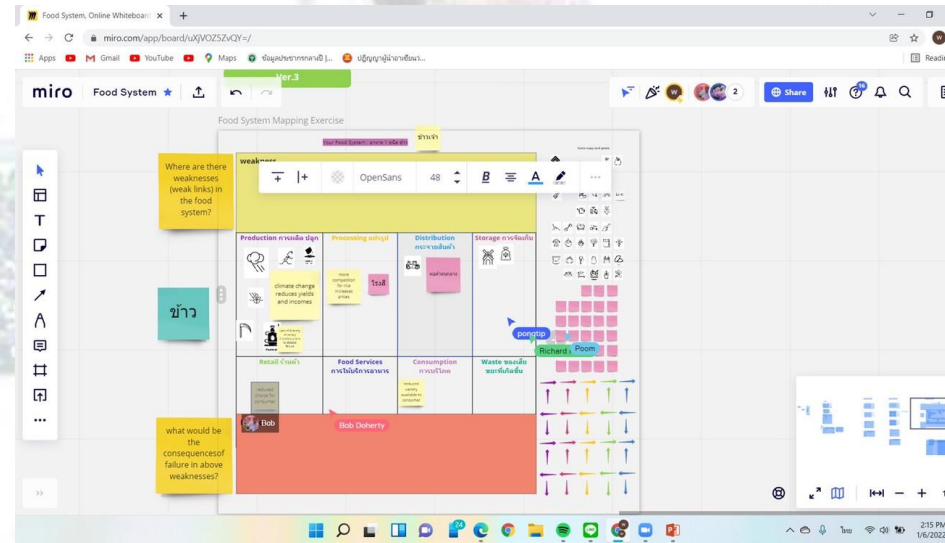
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# First Hybrid Workshop to develop and test the tool : December 22, 2021, Bangkok



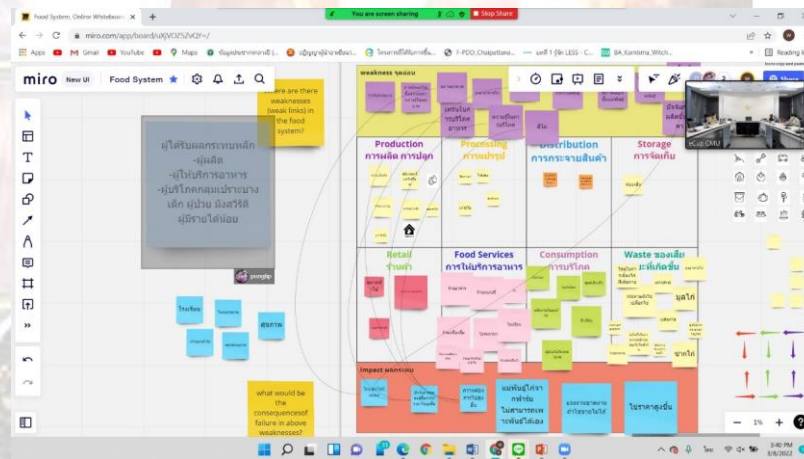
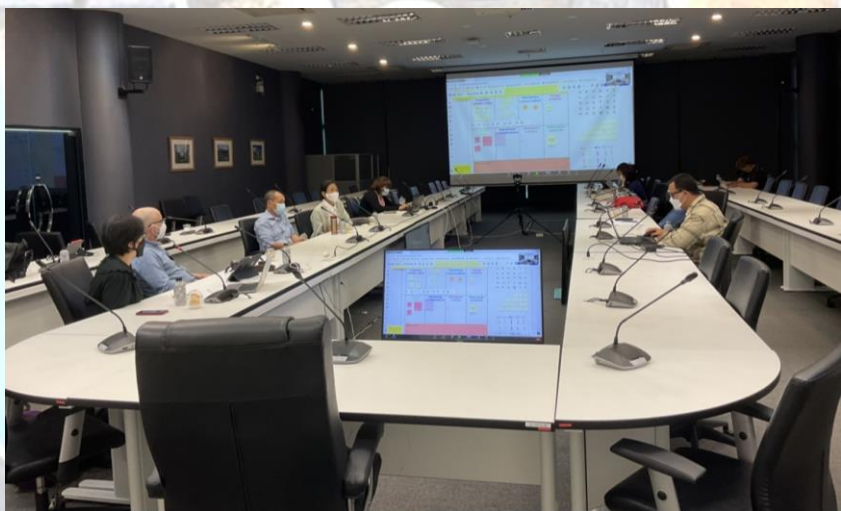
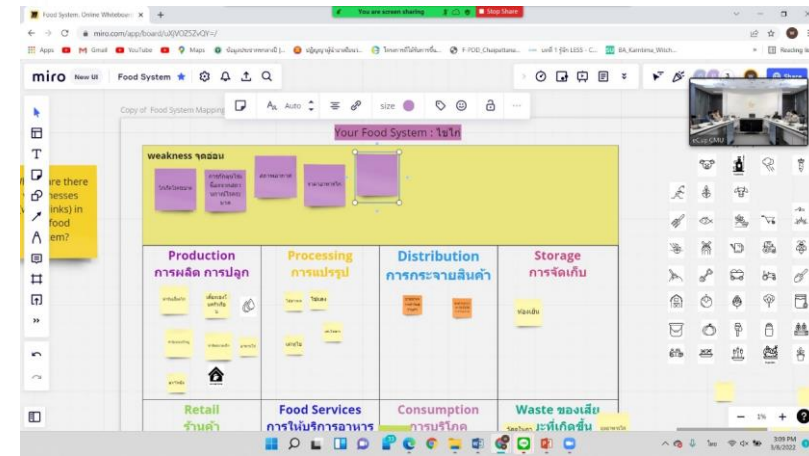
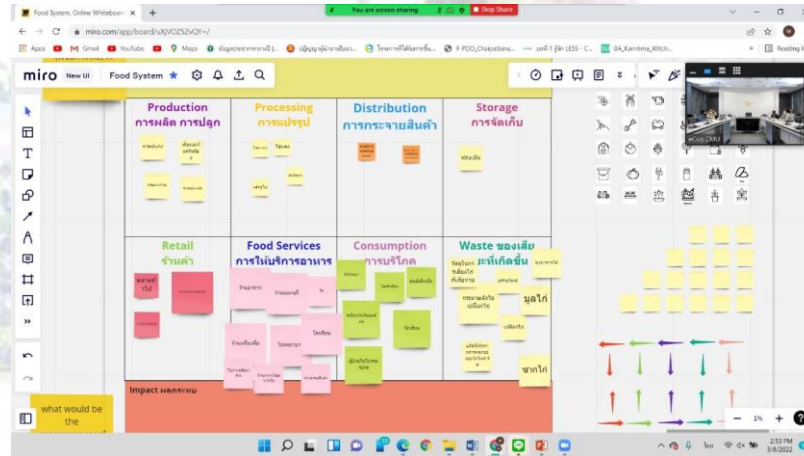


# 2nd Hybrid Workshop : January 6, 2022, Chiang Mai





# 3<sup>rd</sup> Hybrid Workshop : March 8, 2022, Chiang Mai



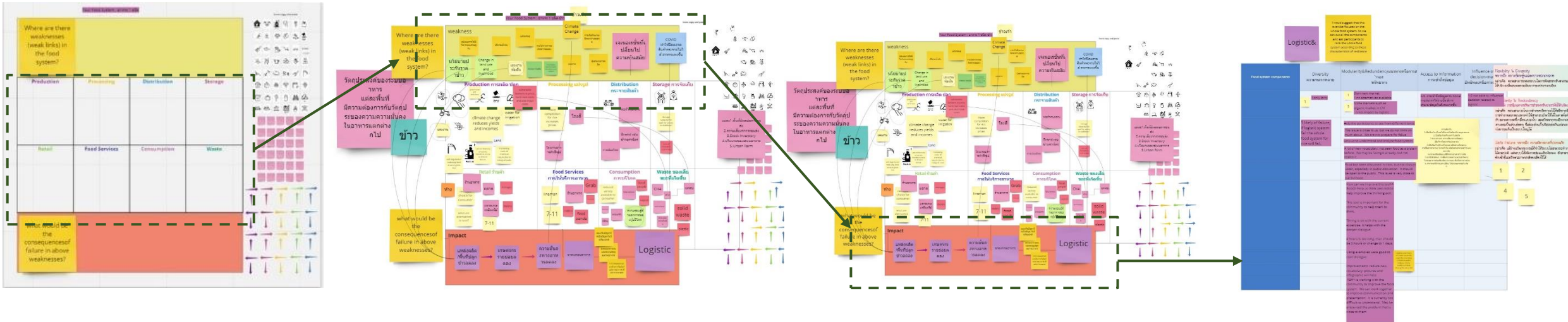
Food system components	Diversity of actors/roles	Access to information	Influence over decision-making	Flexibility & Resilience
Production made on-farm	1	1	1	1
Processing on-farm	2	2	2	2
Distribution on-farm	3	3	3	3
Storage on-farm	4	4	4	4
Retail on-farm	5	5	5	5
Food services on-farm	6	6	6	6
Consumption on-farm	7	7	7	7
Waste on-farm	8	8	8	8

Additional notes on the board include 'Modularity of what and who?' and 'Scale factors: 1-5 (1=low, 5=high)'. A legend for 'Flexibility & Resilience' is also present.



# Food Systems Mapping tool

## 4 steps tool on Miro Platform



- Board 1: Food System Mapping Exercise
- All participants chooses 1 particular food type such as rice, chicken egg, fish, and onion etc.
- Identify stakeholders involve in their food system of the chosen food.

- Board 2: Identify potential weakness in the food system.

- Board 3: What potential impacts could have stem from the identified weaknesses?

- Board 4: Self assessment score card allow the participants to gives score on the component of food system for each four characteristics of resilience.

What was the  
outcomes? What did  
you learn?





# Lesson Learned



- Knowing food vs. food system, Gaps exists in understanding food as a system.
- Difficulties of defining boundaries of food systems
- Tendency for stakeholders to focus on familiar issues and general problems
- The scale, scope and complex inter-dependencies of the system cannot be identify, which illustrates how far beyond our own control current food systems are.

# Expected Outcome



## Potential Agencies

- Chiang Mai Provincial Administrative Organization: Responsible for local policy direction
- Mae Hia Municipality: Tool testing area, and initiate pilot site for local organic vegetables, leaves and small branches bank or organic compost, which also support those who lost their jobs due to Covid-19 pandemic
- Thai City Farm: Expansion of sustainable food system network

## Project Benefits

- **Community, Society, Public:** Better Understanding the food system to increase food security. Improve the well-being and quality of life including creating sustainability in sustainable food production for the community Prepare for future climate change crises
- **Economics:** Understanding the vulnerabilities of the food system and identify commercial opportunities for the private sector or community enterprises
- **Policy aspect:** to reduce the vulnerability of the food system in Thailand to make Thai's food system more resilient to uncertainties and strengthening food supply chain. It is a linkage of policies in many sectors together from agriculture, logistics, food industries, and service industries. Pricing and retailing mechanisms of food in commerce food safety and nutritional value in the public health sector including environmental and ecological impacts arising from food activities.
- **Academic:** Online tools (websites), research summaries videos, academic papers on flexible food systems and policy-making tools published in international journals.



# Q & A

for more information please  
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