Engaging with Academia and Research Institutions (ARIs) to support Family Farmers and Food System Transformation During and Post COVID-19 Pandemic in Asia
Higher Educational Challenges in Promoting Aqua-ecology in Thailand and Lao PDR

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https://www.youtube.com/watch?v=2YW3-Xi2Qew
Technology & innovation

Teaching

Outreach

Service

Research

FOCUS
Luang Prabong
Chiang Mai
Philosophy of Sufficiency Economy

“Green”
“Sustainable”
“Eco-Friendly”
“Ethical”
“Fair Trade”
“Clean”
“Organic”

A. Miles (2017) Agroecology and Sustainable Food Systems
CHALLENGE: Making Sense of Agroecology from a fishery perspective

CHALLENGE: How to scale small holder systems to make a national, regional, global contribution?
New Markets
Competitive prices
Branded Products
Higher returns
Balancing the education of “farmers” for both small-scale and corporate opportunities.

MJU Ag Graduates

60-70% Agribusiness
20% Private
10% Other

...also balancing SMART farming with AGROECOLOGY ideals
...role of agribusiness in the direction of food production
Supported to learning and mud crab bank aquaculture: The way of managing wild-caught mud crab (*Scylla olivacea*)

- **Mangrove forest**
  - An abundance of the ecosystem and increase the population of aquatic animals in the mangrove forest.

- **Local fishermen used mud crab trap**
  - Increased crab catches rates: The incurred interest will be if the mud crab is released back in nature and local fishermen caught increases.

- **For soft mud crab**
- **Feeding from young crab to adult**
- **For sale & sea food**
- **“Mud Crab Bank”**
  - Female crabs (more than 300 g by weight) are donated from Kampong fishermen
  - Decrease mud crab population and a lack of mature stage crab to the ecological system.

- **Selective harvest** | **Ecology based** | **Community participation**

Activities at AGR5D hatchery
COVID 19-21 impacts

Low infection rates
Decreased Tourism
Diminished Exports
Labor Shortages
Supply Chain Woes

Yet...
Inherent Resilience in Rural Areas
HOW CAN WE HELP & CONTRIBUTE?
Thank you