

3-5. Cooperation Project (#5)

● Promotion on smart irrigation system technology for fruits

- The Department of Agricultural Extension (DOAE) is considering a site for a pilot project to promote smart irrigation system technology for fruits in Thailand
- Progress:
- Training of Thai government officials in Japan is scheduled to start in October.

The pilot project on smart irrigation system technology for fruits in Thailand



- Intended location : Rayong Province
- Size: 0.4-0.7 hectares
- Demonstration Technology: Precise Irrigation Sensors and Controllers

3-6. Cooperation Project (#19)

- **Japan-MAFF (Forestry Agency) funded ITTO Project on Sustainable Wood Use Promotion in Timber producing countries**

(1) Overview of project

- Malaysia's wood industry is heavily export-oriented and its local wood supply chains are not well-organized. On the other hand, international trade policies and regulations pressing the industry to comply have been increasing in recent years.
- The project includes various activities ; improvement of the policy framework to drive domestic wood consumption, development of wood products to meet consumers' needs, research on demands and supply in the market, and feasibility analysis of mandatory timber certificate.

(2) Expected effect

- Improvement of capacity to produce high value-added wood products.
- Making the wood industry more resilient by breaking away from dependence on exports through development of the domestic markets.

(3) Progress

- Malaysia: The project was started in July 2024 and the completion is scheduled in December 2025.

Development of modern designed wood furniture



Support for small wood processing companies



These photos are on the similar project in Viet Nam.

3-7. Cooperation Project (#20)

- **Activities to establish circular agriculture through public-private partnerships to train trainers to teach cultivation techniques and to utilize food residues as fertilizer**

(1) Overview of the project

- Conducting demonstrations of cassava cultivation technology developed by private company.
- Based on the results of the demonstrations, compiling cultivation techniques and creating a manual for farming extension service.
- Conducting training of trainers to provide guidance to farmers in Thailand and disseminating the experiences throughout ASEAN.

(2) Expected effect

- Improvement of productivity and farmer's income
- Establishment of sustainable agriculture based on correct cultivation knowledge

(3) Progress

- Thailand: The preparation of manuals and training of trainers are scheduled to start in Kamphaeng Phet Province in JFY2024.

Demonstration of cultivation



Extension service for farmers



Cooperation project (#21)

● Capacity building activities of durian farmers

(1) Overview of project

- A Japanese start-up is participating in a large-scale production of durian in Pahang, Malaysia through technical assistance for the introduction of smart-agricultural practices.

(2) Expected effect

- Paving the way for establishing knowledge base and overall capacity with respect to smart durian production with the aim of contributing to farm income and sustainability.

(3) Progress

- Malaysia: Demonstration activities are underway on different practices, including those involving the use of drones, climate/soil data, tree identification with QR codes. Exploring collaboration with local research institutions to facilitate demonstration activities. Online meetings took place involving Malaysian government agencies and the start-up company concerned.



3-9. Cooperation Project (#22)

- **Food value chain development project (Promotion and marketing of ASEAN/national GAP and GAqP in the region, capacity building for pesticide residue analysis, etc.)**

(1) Overview of the project

- Overall Objective: Recommendations and guidelines on ASEAN-GAP, SPS, GAqP and PPP for promotion of FVC in ASEAN are utilized by stakeholders in ASEAN and AMS.
- Project Objective: The enabling environment for promotion of FVC in ASEAN is enhanced.

(2) Expected effect

- Output 1: Measures are developed for the marketing and promotion of national and ASEAN GAPs.
- Output 2: Capacities of pesticide residue analysis necessary to strengthen SPS measures in AMSs are improved.
- Output 3: Food safety on fishery sector is improved by promotion of GAqP and development of ASEAN guidelines and relevant principles on fisheries inspection mechanism.
- Output 4: Strategies for promoting PPP based FVC are developed.

(3) Progress

- After the “Planning Phase” for the first 6 months, formulation of the project plan for the entire cooperation period was discussed in the 1st Joint Coordinating Committee Meeting held on 9 July 2024.

**Field Study on QGAP
in Thailand**



**Field Study on SPS
Measures in Singapore**



**Seminar on ASEAN
GAP**

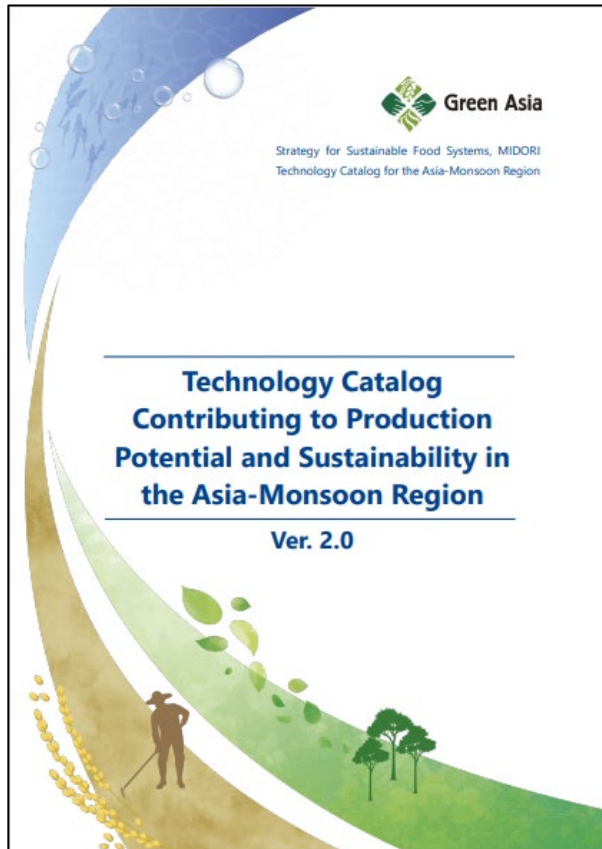


1st JCC Meeting

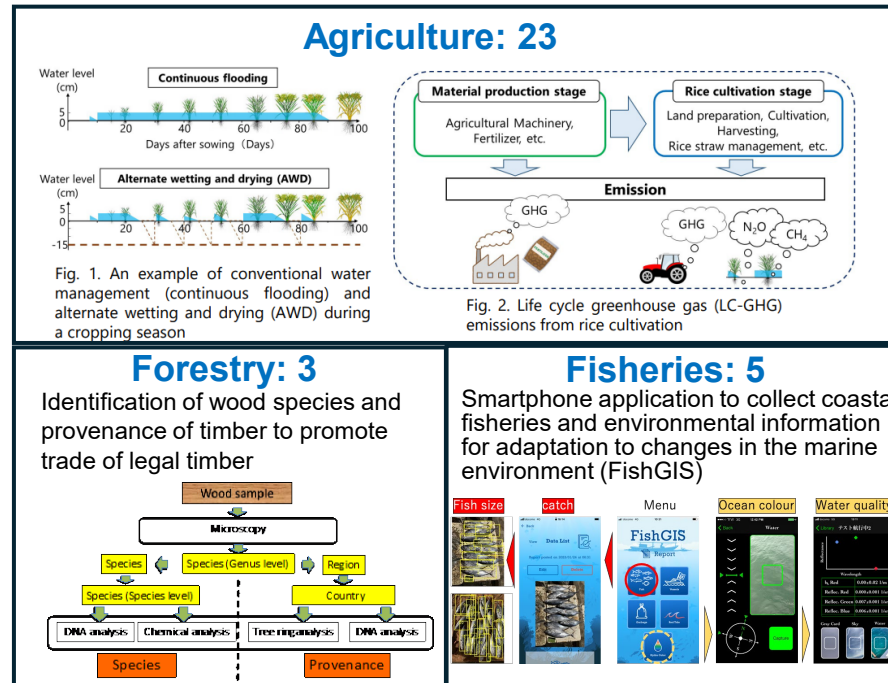


3-8. Cooperation Project (#11-18)

Technology Catalog Contributing to Production Potential and Sustainability in the Asia-Monsoon Region Ver.2.0



A compilation of 31 applicable technologies in the Asia-Monsoon Region (Scalable technologies)



Stages of Food System	Ver.2
Procurement	O(5)
Production	◎(27)
Processing and distribution	O(1)
Consumption	—

Areas of Contribution

- Greenhouse gas emission reduction
- Chemical pesticide reduction
- Climate disaster mitigation
- Food loss and waste reduction
- Chemical fertilizer reduction
- Biomass utilization
- Labor productivity enhancement
- Resource management
- Forest conservation

- Featured on the ASEAN Secretariat's website
- Adopted in the ASEAN-Japan MIDORI Cooperation Plan