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**Plan of Action (POA) for ASEAN Cooperation on Agricultural Training and Extension
(2017-2020)**

**THE STRATEGIC PLAN OF ACTION ON
ASEAN COOPERATION IN AGRICULTURAL TRAINING AND EXTENSION (2016 – 2020)**

**STRATEGIC THRUST 1:
Enhance quantity and quality of production with sustainable, 'green' technologies, resource management systems, and minimise pre- and post-harvest losses and waste**

Action Programme for Agriculture Training and Extension	Activities	Sub Activities (on AWGATE)	Lead Country	Timeline	Key Performance Indicators /Deliverables/Mean of Verification
1.1. Identify infrastructure investment and technology requirements to increase production and, promote technology adoption and capacity building programme to reduce post-production losses, and address investment needs.	1.1.1 Study on the Post-Harvest Losses	Training/visit related on post-harvest losses	Viet Nam with the support from Lao PDR.	2018	Increased awareness and knowledge in managing the post harvested agriculture products
	1.1.2 Empowering agriculture extension services by introducing innovated technologies	Visit the advance agriculture extension office	Malaysia Cambodia	2018 2019	

	1.1.3 Development of food value chain	Scholarship and Japanese Factory Tour for Development of Food-Value-Chain in ASEAN	Thailand	2016 - 2020 (Subject to change based on continued support of MAFF, Japan)	Each year, eighty (80) students and officers of AMS participating in the activities gain insight into food value chain and able to apply gained knowledge and experiences in their context and/or impart to the others. 1) Twenty (20) students and or officers/year take short training course on food value chain at Kasetsart University. 2) Sixty (60) students and or officers/year participate in Japanese factory tours.
	1.1.4 Introducing on funding assessment, cooperative funding, agriculture insurance, strengthening of farmer group organization, etc	Exchange experiences on funding assessment, cooperatives, agriculture insurance and empowering farmer group	Phillipines	2019	
	1.1.5 Share on the agricultural market management	Study Visit on Agriculture Market Management	Thailand	2019	
1.2 Develop yield and productivity enhancing technologies and best practices that involve land use intensification in a sustainable manner, bearing in mind that expansion of	1.2.1 Integrated Pest Management	Training Programme on IPM in Vegetable (14 days)	Thailand	13 - 26 November 2016	Twenty-five participants gain knowledge about IPM in Thailand.

<p>cultivable land rapidly reaches its limits even in the land-abundant AMS.</p> <p>Crops Fisheries Livestock Forestry</p>	1.2.2 Hydroponic Farming	Training on hydroponic farming	Indonesia	2018	
	1.2.3 Introduction on the Village Agriculture Mechanization Services	Sharing information on policy/program of Village Agriculture Mechanization	Myanmar	2019	
	1.2.4 Sustainable agricultural development	Training on Sustainable Coffee Products (7 days)	Viet Nam	August 2016	Thirty participants gain knowledge on coffee replanting and sustainable coffee product.
		Training on Sustainable Pepper Production (7 days)	Viet Nam	August 2017	Thirty participants gain knowledge about pepper production, disease control in pepper, and sustainable products and value chain.
	1.2.5 Increasing Farming Profitability Through the Promotion of Farm and Herbal Tourism	Training Course on Farm Tourism Focused on Agri-entrepreneurship and Alternative Medicine	Philippines	7 days inclusive of travel time (2019)	Increased awareness, knowledge and skills in managing the farmers' field as a profitable enterprise/ Business; and Utilization of medicinal herbs (20 participants from 10 AMS)

	1.2.6 Promotion of Organic Agriculture Production Technologies	Training Course on Organic Agriculture emphasis on GAP and Food Safety	Philippines	7 days inclusive of travel time (2020)	Increased awareness, knowledge and skills in organic agriculture production, Good Agricultural Practices and food safety
		Training Course on “Enhancing Extension Delivery System through the Farmer Led Extension (FLE) Approach”	Philippines	7 days inclusive of travel time (to be announced later)	Enhanced KAS in Extension Delivery System and FLE Approach
	1.2.7 Promote sustainable agricultural land use	Study Visit on Sustainable Agricultural Land Use	Myanmar	2019	

1.3 Promote measures to reduce food losses and waste.	1.3.1 Raising awareness on the food loss and food waste	Training on the food loss and food waste	Viet Nam	2019	The participant implemented the strategy reducing the food loss and food waste during the stages of production, processing, retailing, and the strategy is documented in the report
1.4 Develop new and appropriate technologies, best practices and management systems to ensure food safety and address health/disease and environmental issues, particularly in the fast growing aquaculture, livestock and horticulture sub-sectors	1.4.1 Promotion on Organic Agriculture	Training Programme on Organic Vegetable Production (12 days)	Thailand	January 2017	Twenty-five participants gain knowledge about organic vegetable production.
	1.4.2 Promotion of Herbal Products	Training on Post-Harvest and Processing Technology of Herbal Products (scheduled on September 2016, for 14 days)	Indonesia – AEG Herbal and Medicinal Plants under ASOF	2016	Twenty participants gain knowledge on post-harvest and processing technology on herbal products
	1.4.3 Link on HACCP, GMP, GAP, GAHP, GAqP	Workshop on Development of Agrobased Entrepreneurs towards Halal Products	Malaysia	2017	Annual capacity building programme

1.5 Invest in developing adequate capacity among the member countries in analysing trade-offs and implementing specific measures to support more sustainable livestock sub-sector development.	1.5.1 ASEAN Good Animal Husbandry Practices	Trainers' Training on Livestock Emergency Guidelines and Standard (LEGS)	AWGATE and ASWGL Philippines	7 days inclusive of travel time (2017)	Increased awareness, knowledge and skills on the formulation of emergency guidelines and standards at the local level
	1.5.2 Promotion/ Sharing of Best Practices on Ethno-Veterinary Medicine	Promotion/ Sharing of Best Practices on Ethno-Veterinary Medicine	Philippines	2019	Increased awareness, knowledge and skills on traditional animal health care using veterinary herbal medicinal plants
	1.5.3 Promotion of Green Technology Options on Livestock Production	Trainers' Training on "Greening the Livestock Industry Along the Value Chain"	Philippines	2019	
		Training on Low Emission Development (LED) in Livestock	Viet Nam	2018 (5 dyas)	Thirty participants from AMS and local gain knowledge on LED in livestock and practice on animal seed analysis software.
		Training on Prevention of Zoonosis Diseases (focus on Mekong Delta River	Viet Nam	2020	

		Countries)			
1.6 Identify and document technology success stories and explore new methods of extension including enhanced use of information and communications technology (ICT) and other communication facilities for dissemination of successful technologies and management systems throughout AMS.	1.6.1 Promote the knowledge sharing	ASEAN – Dialog Partner’s Exchange Farmers Visit 2017 (4 days)	Indonesia	May 2017 (4 days)	Twenty four participants from AMS and ASEAN –Dialog Partners (Japan, China, South Korea and India) have opportunity to share/ exchange experiences
		Workshop on Strategic Extension Approach towards Sustaining Agrofood Production	Malaysia	2020	
		ASEAN Farmer Exchange Visit	Malaysia	November 2019 (5days)	A hundred participants that will consist of the AMS, private sector, Farmers, SME will participate at the Farmers’ Week
	1.6.2 Promote the GIS as Early Warning System	Introduction of GIS utilization at agriculture extension offices	Thailand will be the raider under the support from AMS to seek support from international partners on the technology	2020	27 participants from AMS have opportunity to share experiences, information and innovation technology

Strategic thrust 5: Assist small scale producers and SMEs					
5.1 Assist small scale producers and SMEs in the FAF sector to become viable and competitive enterprises by provision of better technology, inputs, finance and extension services, access to higher value markets, and by facilitating integration into modern value	5.1.1 Private sector engagement	Study Visit on Community Enterprise Promotion (7 days/year)	AWGATE Thailand	(2017-2020)	1.Participants gain knowledge about Community Enterprise Promotion in Thailand. 2. Participants have an opportunity to exchange experience in Community Enterprise Promotion in ASEAN countries
	5.1.2 Strengthening the capacity for young farmers				

chains.	a. Farm management and sustainable agriculture	Training Program on Sufficiency Economy Philosophy: Farm Management (14 days/year)	AWGATE Thailand	(2017-2020)	1.Sixty farm youths enhance knowledge and develop skill in agricultural production in line with Sufficiency Economy Philosophy. 2. The participants can apply and disseminate skill and lesson learnt to farm youths and farmers in the their respective countries.
	b. Production technology and marketing	Training Program on Organic Vegetable Production and Marketing (45 days/year)	AWGATE Thailand	(2017-2020)	Sixty farm youths learn about team work process, develop thinking skill, solve a communication problem and apply agricultural production technology to their occupation in the future.
	c. Establishment of ASEAN Farm Youth Network	Seminar on ASEAN Farm Youth Network (7 days/year)	AWGATE Thailand	(2017-2020)	Sixty farm youths exchange knowledge about agricultural profession and culture and build up ASEAN farm youth network for connectivity of single – based agricultural production and management with high competency.
		ASEAN Farm Youth Camp (7days/year)	AWGATE Thailand	(2017-2020)	Sixty farm youths learn about team work process, develop thinking skill, solve a communication problem and apply agricultural production technology to their occupation in the future.
		Agroyouth Exchange	AWGATE Malaysia	2018	

		Programme on Agribusiness in Conjunction with MAHA			
		Training Course on Food Value Chain Management in Agricultural Marketing	AWGATE Philippines	7 days inclusive of travel time (2018)	Enhanced participants' knowledge on value chain management in agricultural marketing and agribusiness development and management.
	5.1.4 Promoting the strategy on value chain	Training Course on Climate Change Smart Farmers Field School	AWGATE Philippines	7 days inclusive of travel time (2018)	Enhanced capacity of agricultural trainers, AEWs and farmers in incorporating climate and weather information in farm planning and management