

APPENDIX 2

MATRIX OF STRATEGIC PLAN OF ACTION ON FOOD SECURITY IN THE ASEAN REGION (SPA-FS) 2009-2013

Strategic Thrust 1: Strengthen food security arrangements.

Action Programme	Activities	Sub-activities	Responsible Bodies	Work Schedule
1.1 Strengthen national food security programmes/ activities.	1.1.1 Promote diversification of food sources and scale up community-based food security initiatives.	1.1.1.1 Develop varieties of starch based commodities such as yam, taro, cassava, etc. 1.1.1.2 Establish pilot projects on micro enterprise in producing non rice flour products and its derivatives products.	ASWGC ACEDAC/ ASWGAC	2009-2013
	1.1.2 Support capacity building to strengthen national food security programmes, including management of national food stockpiles, planning of potential land use for agriculture, and technical support for preparing national food balance sheet.	1.1.2.1 Conduct training on food reserve management for relevant stakeholders.	AMs AFSRB	2009-2013
	1.1.3 Promoting exchange of information and experiences among ASEAN Member States through networking and regional consultations in formulation and implementation of national food security programmes/ activities.	1.1.3.1 Review policy options and analyse impacts on food security in the region. 1.1.3.2 Establish regional fora among experts to exchange view and experience in the implementation of national food security programmes/activities.	AFSRB AFSRB EAERR pilot project	2009-2013
	1.1.4 Enhance food assistance programme for the targeted vulnerable groups.	1.1.4.1 Identify the target vulnerable groups of food insecurity and mapping of food insecurity in the region	AMs	2009-2013
1.2 Develop regional food security reserve initiatives and mechanisms.	1.2.1 Reinforce the ASEAN Food Security Reserve Board (AFSRB) and its secretariat in compilation, management and dissemination of statistics and information on food and food security as a basis for effective planning of food production and trade within the region.	1.2.1.1 Establish and review stock release mechanisms on rice, maize, sugar and soybean. 1.2.1.2 Explore possibility of developing guidelines for exchanging of food commodities in terms of counter trade to secure food requirements among the member countries in case of emergency and/or food insufficiency.	AFSRB AFSRB EAERR Pilot Project	2009-2013

	<u>1.2.2</u> Support the establishment of a long-term mechanism for ASEAN Plus Three emergency rice reserve.	<u>1.2.2.1</u> Support the extension of the East Asia Emergency Rice Reserve (EAERR) pilot project until a long-term mechanism be established. <u>1.2.2.2</u> Explore the possibility to establish a long-term mechanism for ASEAN Plus Three Emergency Rice Reserve (APTERR).	Project Steering Committee of EAERR Pilot Project SOM-AMAF EAERR Pilot Project SOM-AMAF	2009-2010
	<u>1.2.3</u> Conduct study on the possibility of establishing an ASEAN Fund for Food Security.	<u>1.2.3.1</u> Explore possibility of establishing an ASEAN Fund for Food Security and identify potential financial sources.	ATFFS SOM-AMAF	2009-2010

Strategic Thrust 2: Promote conducive food market and trade.

Action Programme	Activities	Sub-activities	Responsible Bodies	Work Schedule
<u>2.1</u> Promote initiatives supporting sustainable food trade.	<u>2.1.1</u> Full compliance and implementation of the ASEAN Trade in Goods Agreement (ATIGA) provisions with respect to trade in food products.	<u>2.1.1.1</u> Monitor the compliance and implementation of ATIGA.	SOM-AMAF SEOM	2009-2013
	<u>2.1.2</u> Review and analyse international/regional trade information, including prices, quantities traded, distribution and logistics.	<u>2.1.2.1</u> To conduct review and analysis of international/ regional trade information and publish the results in AFSIS website.	SEOM AFSRB AFSIS project	2009-2013

Strategic Thrust 3: Strengthen integrated food security information systems to effectively forecast, plan and monitor supplies and utilization for basic food commodities.

Action Programme	Activities	Sub-activities	Responsible Bodies	Work Schedule
<u>3.1</u> Reinforce the ASEAN Food Security Information System (AFSIS) project towards a long-term mechanism.	<u>3.1.1</u> Conduct a food security assessment and identify underlying causes of food insecurity.	<u>3.1.1.1</u> Analyze the state of food security and recommend alternative solutions.	AFSIS project	2009-2013
	<u>3.1.2</u> Collect and periodically update information on supply and demand/ utilization for main food commodities such as rice, corn, soybean, cassava and sugar, and maintain food security related baseline data for each Member State in a regional database.	<u>3.1.2.1</u> Publish periodic outlook report of commodity based on Member States' situation and international trend of trade, price and stock. <u>3.1.2.2</u> Regularly Update national food security data into AFSIS database.	AFSIS project AFSIS project	2009-2013
	<u>3.1.3</u> Develop an early	<u>3.1.3.1</u> Publish periodic	AFSIS project	2009-2013

	warning, monitoring and surveillance information system as a basis for sound development planning and policy decision to address food security, including sharp rise of food prices.	early warning information report.		
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Strategic Thrust 4: Promote sustainable food production.

Action Programme	Activities	Sub-activities	Responsible Bodies	Work Schedule
4.1 Improve agricultural infrastructure development to secure production system, minimize post-harvest losses, and reduce transaction cost.	4.1.1 Promote the development of supply chain system in Member States through establishing demonstrated models and sharing knowledge.	4.1.1.1 Conduct seminar and workshops to build capacity on the efficient supply chain management.	ASWGF ASWGC ASWGL	2009-2013
	4.1.2 Conduct feasibility study on development of potential land and irrigation in the Member States for food production.	4.1.2.1 Study on irrigation systems, which are appropriate for different conditions in the region. 4.1.2.2 Explore the possibility of private sector to invest on constructing irrigation infrastructure. 4.1.2.3 Conduct workshop/ seminar to exchange information on crop zoning.	ASWGC SOM-AMAF SOM-AMAF ASWGC	
	4.1.3 Encourage initiatives/ supporting systems for greater access to agricultural inputs, particularly crops seeds, animal breeds, agro-chemicals, and irrigation facilities for food production in potential areas of the region.	4.1.3.1 Conduct workshops/ consultation to develop strategies and initiatives to promote greater access to agricultural inputs.	ASWGC	
4.2 Efficient utilization of resource potential for agricultural development.	4.2.1 Promote the optimisation of utilisation of land and other natural resources for food production.	4.2.1.1 Develop and share experiences on best practices for land use planning and optimization for regional and transnational planning purposes. 4.2.1.2 Develop and share experiences on best practices and technologies for sustainable integrated water resources management.	SOM-AMAF ASWGC	

		4.2.1.3 Share experience on the effectiveness of using existing irrigation schemes for food production.	ASWGC	
	4.2.2 Promote public and private sector partnership to promote efficient and sustainable food production, food consumption, post-harvest practices and loss reduction, marketing and trade.	4.2.2.1 Promote investing mechanized post-production facilities e.g. drying facilities, improved storage facilities, transportation facilities, and other basic processing equipment. 4.2.2.2 Conduct seminars/workshops/exchange visits to explore the possibility of implementing public and private sector partnership schemes such as the Food Production Cluster Development Concept (public and private sector partnership that covers the whole supply chain), the Permanent Food Production Zone, etc. 4.2.2.3 Exchange information and experiences on successes in the implementation of contract farming.	ASWGFi ASWGC ASWGL ASWGFi ASWGC ASWGL ASWGFi ASWGC ASWGL	
	4.2.3 Promote adoption and implementation of Good Agricultural Practices (GAP) in the ASEAN region.	4.2.3.1 Establish/strengthen national programmes on GAP. 4.2.3.2 Prepare guidelines for ASEAN GAP for rice, maize, soybean, sugarcane and cassava, and manual for product certification. 4.2.3.3 Undertake effective information dissemination on ASEAN Good Agricultural Practices (GAP) among the Member States, e.g. translation of GAP guidelines into national languages, developing awareness and promotional materials, through extension services, etc.	AMSS ASWGC ASWGFi ASWGL ASWGFi ASWGC ASWGL AWGATE	
4.3 Promote agricultural Innovation including research and development on	4.3.1 Support initiatives to minimise postharvest losses of main food products.	4.3.1.1 Study the post-harvest losses incurred in each of the priority commodities and the factors causing their losses.	ASWGC ASWGFi ASWGL	2009-2013

improving productivity and agricultural production.		<p><u>4.3.1.2</u> Conduct R&D on measures to reduce the losses identified and compile handbook on recommended measures.</p> <p><u>4.3.1.3</u> Develop government incentives to encourage minimal post-harvest loss at different stages of the supply chain.</p>	<p>ASWGFi ASWGC ASWGL</p> <p>ASWGFi ASWGC ASWGL</p>	
	<u>4.3.2</u> Promote research to improve agricultural productivity and production.	<p><u>4.3.2.1</u> Study/ analyse priority research areas for improving agricultural productivity and production</p> <p><u>4.3.2.2</u> Conduct joint research among the Member States and other organizations on agricultural innovation aiming to improve agricultural productivity and production.</p>	<p>ATWGARD ASWGFi ASWGC ASWGL</p> <p>ATWGARD ASWGFi ASWGC ASWGL</p>	2009-2013
	<u>4.3.3</u> Promote alternative approaches and practices for sustainable food security.	<u>4.3.3.1</u> Develop and exchange experiences in integrated/ multiple farming systems.	ASWGFi ASWGC ASWGL	2009-2013
	<u>4.3.4</u> Collaborate to implement IRRI's Rice Action Plan.	<p><u>4.3.4.1</u> Implement technologies developed by IRRI, e.g. better crop management practice.</p> <p><u>4.3.4.2</u> Test the new rice varieties developed by IRRI.</p> <p><u>4.3.4.3</u> Train young scientists and researchers at IRRI.</p>	SOM-AMAF AMs	2009-2013
4.4 Accelerate transfer and adoption of new technologies.	<u>4.4.1</u> Promote the adoption of new technologies.	<u>4.4.1.1</u> Conduct collaborative training and workshops to adopt new/ improved technology in agricultural production, post-harvest and processing activities.	ATWGARD ASWGFi ASWGC ASWGL AWGATE	2009-2013
	<u>4.4.2</u> Promote collaborative research and technology transfer in agricultural products.	<p><u>4.4.2.1</u> Exchange of experiences in genetic resources management on crops.</p> <p><u>4.4.2.2.</u> Conduct collaborative research on developing products from underutilised products</p>	<p>AWGATE ASWGC ASWGFi ASWGL</p> <p>ASWGC ASWGFi ASWGL</p>	2009-2013
	<u>4.4.3</u> Strengthen regional networks of agricultural research and development.	<u>4.4.3.1</u> Conduct regular meetings and exchange of experts on agricultural R&D.	ASWGFi ASWGC ASWGL AWGATE	2009-2013
	<u>4.4.4</u> Support initiatives to promote greater access to land and water resource, agricultural inputs and capital, particularly among small-scale farmers to support	<u>4.4.4.1</u> Exchange information on the best practices for strengthening small-scale farmers' access to land and water resource, agricultural inputs and	ASWGC ACEDAC/ASWGAC	2009-2013

	food production.	capital.		
	<u>4.4.5</u> Strengthen development of agricultural cooperatives and farmers' organisations to enhance their resilience.	<u>4.4.5.1</u> Intensify meetings and exchange of visits amongst farmer associations / communities.	AWGATE ASWGFi ASWGC ASWGL ACEDAC/ASWGAC	2009-2013

Strategic Thrust 5: Encourage greater investment in food and agro-based industry to enhance food security.

Action Programme	Activities	Sub-activities	Responsible Bodies	Work Schedule
<u>5.1</u> Promote food and agro-based industry development.	<u>5.1.1</u> Encourage greater investment in food and agro-based industry.	<u>5.1.1.1</u> Identify needs and priority areas for investment in food and agro-based industry. <u>5.1.1.2</u> Provide incentive schemes to encourage private sector investment, e.g. contract farming. <u>5.1.1.3</u> Facilitate intra-ASEAN investment to secure food supply.	AMSS	2009-2013
	<u>5.1.2</u> Strengthen capacity building for adoption of international standards for food safety and quality assurance and certification systems.	<u>5.1.2.1</u> Provide technical assistance in food safety standards to government officials, food industries or other relevant stakeholders. <u>5.1.2.2</u> Provide technical assistance to obtain international food safety laboratories accreditation.	ACCFS ACCSQ AEGFS ATFC ASWGC ASWGFi ASWGL	2009-2013

Strategic Thrust 6: Identify and address emerging issues related to food security.

Action Programme	Activities	Sub-activities	Responsible Bodies	Work Schedule
<u>6.1</u> Address the development of bio-fuels with consideration on food security.	<u>6.1.1</u> Review status and trend of bio-fuels development in the region and potential impacts on food security.	<u>6.1.1.1</u> Study on socio-economic impacts of bio-fuels production on food security.	SOM-AMAF	2009-2013
	<u>6.1.2</u> Develop collaboration with other Sectoral Bodies, which handle the development of bio-fuels.	<u>6.1.2.1</u> Monitor the progress of bio-fuel research and development.	SOM-AMAF SOME	2009-2013
<u>6.2</u> Address impacts of climate change on food security.	<u>6.2.1</u> Conduct study to identify possible impacts of climate change on food security.	<u>6.2.1.1</u> Establish ASEAN Forum on Climate Change.	SOM-AMAF ASOF Indonesia as lead country	2009-2013
	<u>6.2.2</u> Identify measures to mitigate/ adapt to impacts of climate change on food security.	<u>6.2.2.1</u> Establish ASEAN Networking on Agricultural Vulnerability to Exceptional Climate.	SOM-AMAF Indonesia as lead country	2009-2013
	<u>6.2.3</u> Develop collaboration with other Sectoral Bodies, which address impact mitigation and adaptation of climate change.	<u>6.2.3.1</u> Monitor the progress of impact mitigation and adaptation of climate change.	SOM-AMAF SOME	2009-2013

Notation

ACCFS	ASEAN Coordinating Committee on Food Safety
ACCSQ	ASEAN Consultative Committee on Standards & Quality
ACEDAC/ ASWGAC	ASEAN Centre for the Development of Agricultural Cooperatives/ ASEAN Sectoral Working Group on Agricultural Cooperatives
AEFSS	ASEAN Experts Group on Food Safety
AFSIS	ASEAN Food Security Information System project
AFSRB	ASEAN Food Security Reserve Board
ASWGFi	ASEAN Sectoral Working Group on Fisheries
ASWGL	ASEAN Sectoral Working Group on Livestock
ATFC	ASEAN Task Force on CODEX
ATFFS	Ad-Hoc ASEAN Task Force on Food Security
ATWGARD	ASEAN Technical Working Group on Agricultural Research and Development
AWGATE	ASEAN Sectoral Working Group on Agricultural Training and Extension
EAERR	East Asia Emergency Rice Reserve pilot project
IRRI	International Rice Research Institute
SEOM	Senior Economic Officials Meeting
SOM-AMAF	Senior Officials Meeting of the ASEAN Ministers on Agriculture and Forestry