



**Asia-Pacific  
Economic Cooperation**

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2011/ATCWG/WKSP/015

## **ASEAN Food Security Information (AFSIS) Project**

Submitted by: Thailand



**Workshop to Assess and Improve  
Agricultural Data Collection and  
Dissemination by APEC Member  
Economies  
Manila, Philippines  
27-28 October 2011**



# ASEAN Food Security Information (AFSIS) Project

27-28 October 2011

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## **BACKGROUND**

- *More than 500 million undernourished people in ASEAN or about 70% of the world total*
- *ASEAN economies is the world major's producer and consumer of rice*
- *The region has suffered from frequently national disaster*

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## **BACKGROUND**

- *Rice price have fluctuated*
- *Food security reserves has been an important policy*
- *Accurate and timely information plays a vital role in ensuring food security*
- *Improvement in statistics have benefited national development and food security*

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## **BACKGROUND**

- *July 2001, Workshop on Food Security Cooperation and Rice Reserve Management System in East Asia, Nakhon Pathom Thailand to discuss framework of AFSIS project*
- *October 2001, SOM-1<sup>st</sup> AMAF+3 and 1<sup>st</sup> AMAF+3 in Medan Indonesia endorsed AFSIS's proposal*
- *2002, SOM – 2<sup>nd</sup> AMAF +3 in Lao PDR agreed to Project Implementation Plan(PIP<sub>4</sub>)*

## **AFSIS 1<sup>st</sup> Phase**

- *Project period: 5 years, 2003-2007*
- *Implemented by Office of Agricultural Economics (OAE), Thailand*
- *MAFF Japan is donor agency*
- *FPM is the decision-maker*

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## **Main Objective**

*To facilitate food security planning & implementation through systematic collection, analysis & dissemination of information*

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## **Expected Output**

- 1. Increased capacities of member economies*
- 2. Availability of accurate and timely information*
- 3. Effective policies & plans*

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## **The 2<sup>nd</sup> Phase of AFSIS**

- *2005 - 5<sup>th</sup> AMAF+3 agreed to continue the Project*
- *2006 - 4<sup>th</sup> FPM and the 3<sup>rd</sup> DG Meeting agreed on General Framework*
  - Technical Meeting held in May agreed the Proposal*
  - Proposal endorsed by 6<sup>th</sup> AMAF+ 3*
- *2007 - PIP agreed by FPM*
  - PIP endorsed by 7<sup>th</sup> AMAF+3*

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## **Overall Objective:**

*To strengthen food security in the region*

## **Specific Objectives:**

*To improve*

- *Information system*
- *Capacity of members in providing information and data analysis*

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## **Duration**

*5 years, Jan 2008 - Dec 2012*

## **Expected Outputs**

- *Improved capacities of members*
- *Availability of more meaningful information for policy planning*
- *Closer cooperation among members*
- *Better policies and support to people*

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➤ *In early 2008*

*1. Global Food Crisis*

*2. Global Warming*

*3. Climate Change*

☐ *Disaster*

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## **Food Security in the region**

➤ *The 30<sup>th</sup> AMAF, 8<sup>th</sup> AMAF+3 Meetings in 2008, Vietnam endorsed*

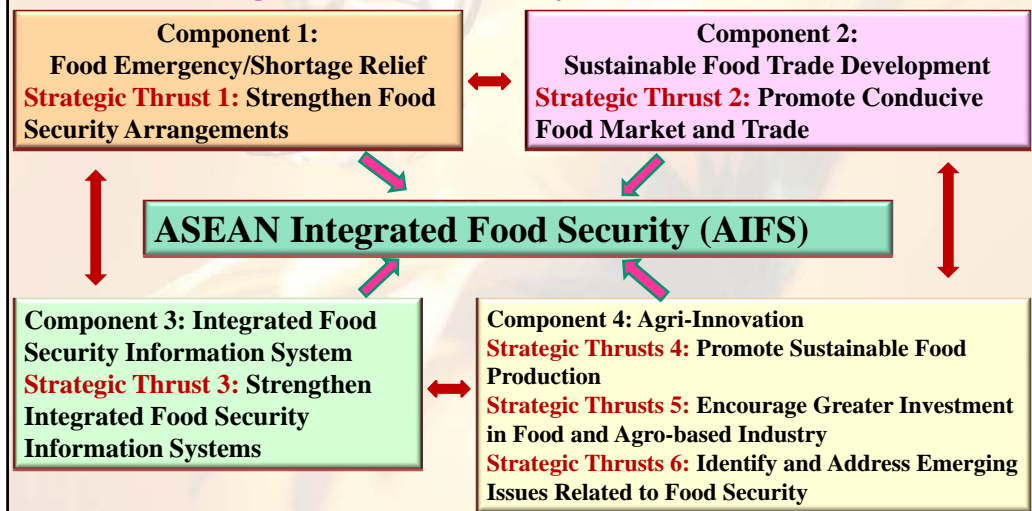
☐ **ASEAN INTEGRATED FOOD SECURITY (AIFS) Framework**

☐ *Strategic Plan of Action on Food Security (SPA-FS)*

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# ASEAN INTEGRATED FOOD SECURITY (AIFS)

*Figure 1: Components and Strategic Thrusts of ASEAN Integrated Food Security (AIFS) Framework*



## Roles of AFSIS

- a) Regularly update food security data*
- b) Publish periodic early warning information*
- c) Publish periodic commodity outlook report*
- d) Analyze state of food security and recommend alternative solutions*
- e) Review and analyze international trade e.g. prices, quantities traded, distribution and logistics and publish results in website*  
*(Supporting Strategic Thrust 2 and 3)*



# **Main AFSIS Activities**

**1. Information Network Development**

**2. Human Resource Development**

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## **Major activities of AFSIS Project**

***1. Regional Food Security Database***

***2. Training Courses***

***3. Early Warning Information Report***

***4. Agricultural Commodity Outlook Report***

***5. Mutual Technical Cooperation***

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## Regional Food Security Database

### □ *Time series data (1985-2010)*

*related to 5 crops (rice, maize, soybean, sugarcane, cassava)*

- *Planted & harvested areas, production and yields*
- *Crop calendar*
- *Farmgate prices*

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## Database System (cont.)

- *Wholesale prices*
- *Value and Quantity of Imports and exports*
- *Food Balance sheet*
- *Cost of production*

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# Database System (cont.)

## ❑ *Other Economic Information*

- *Population*
- *Total labor force*
- *Labor force in agriculture*
- *Gross Domestic Product (GDP)*
- *GDP in Agriculture*
- *Per capita incomes*
- *Land use*

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The screenshot shows the homepage of the ASEAN Food Security Information System (AFSIS). The header includes the AFSIS logo and navigation links: Home, About Us, Statistics, Publications, Blogs, and Contact. The main content area features a green background with the text "Welcome to AFSIS" and a paragraph describing the project's objectives. A photograph of a meeting is displayed on the right. Below the main content, there is a social media section with a Facebook share button and a "Follow @afsinc" button. The footer contains the text "What we do" and "What's new" with a link to "Workshop on China-ASEAN". The browser status bar at the bottom shows "Done, but with errors on page" and "Internet | Protected Mode: On".

## Early Warning Information (EWI) Reports

- *Information on estimated planted/ harvested areas, production and yields ,crop situation and crop growing conditions*
- *Current Year and One Year Forecast*
- *Publish twice a year in March and September*

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## Early Warning Information

September 2011

### Rice situation in ASEAN

Items	2011	2012	% change
<i>Production (Paddy)</i>	<i>206.50</i>	<i>211.12</i>	<i>2.24</i>
<i>milled rice</i>	<i>130.57</i>	<i>133.49</i>	<i>1.41</i>
<i>Planted Area (mil. ha)</i>	<i>50.66</i>	<i>51.03</i>	<i>0.74</i>
<i>Damaged Area (mil.ha)</i>	<i>1.00</i>	<i>1.00</i>	<i>0</i>
<i>Yield (tons/hectare)</i>	<i>4.16</i>	<i>4.19</i>	<i>0.72</i>

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## ***Agricultural Commodity Outlook (ACO) Reports***

- *Information on current and projected situation in various aspects of crops in ASEAN region such as areas, yields, production, utilization, stocks, prices, imports and exports.*
- *Publish Twice a year in June and December*

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### **Rice situation in ASEAN (milled rice)**

**June 2011**

*Unit: Million tons*

Items	2009	2010	2011	Change 2011 over 2010	
				Quantity	%
Supply (Million tons)	150.05	154.60	159.76	5.16	3.34
Beginning stock	20.79	24.00	26.67	2.67	11.13
Production	125.72	126.92	130.91	3.99	3.14
Import	3.53	3.68	2.18	-1.50	-40.76
Demand (Million tons)	150.05	154.60	159.76	5.16	3.34
Domestic utilization	107.34	109.34	110.54	1.20	1.10
Export	16.92	18.60	19.42	1.32	7.10
Ending stock	25.79	26.67	29.80	2.63	9.86
Self-sufficiency Ratio (%)	117.13	116.08	118.43	2.35	2.02
Food Security Ratio (%)	19.37	21.95	24.13	2.18	<sup>24</sup> 9.93

## The continuation of project

- *The Project will be terminated in 2012*
- *Demand of users for food security policy and plan (FAO, APTERR and AFSRB, etc.)*
- *Food Security Information System is one of the component of AIFS Framework*

- *32<sup>nd</sup> SOM-AMAF+3 endorsed Concept Note of Post 2<sup>nd</sup> Phase in October 2010 in Cambodia.*
- *11<sup>th</sup> Meeting of AMAF+3 endorsed the proposal on 9<sup>th</sup> October 2011*

## ***Main concepts of the Proposal***

- (1) Dissemination of accurate information for food security policy in the region***
- (2) Establishment of AFSIS Network Centers (AFSIS NCs)***  
***AFSIS Project will be transformed into “ASEAN Plus Three Food Security Information System (AFSIS) Network Centers (NCs)” as a sectoral body under AMAF+3, starting from 2013 with self reliant mechanism.***
- (3) Multi-project & Multi donor***

## **New Activities**

- 1) ASEAN Food Security Analysis Report (AFSAR)***
- 2) Food Security Forecasting Model (FSFM)***
- 3) Broadening Food Security Database***
- 4) Establishment of AFSIS Network Centers (AFSIS NCs)***

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