

Project Design Matrix (PDM)
Agricultural Statistics and Economic Analysis Development Project

(Prepared 17/2/2004)

Project Duration: July 2003 to July 2008

Target Group: Office of Agricultural Economics (OAE)

NARRATIVE SUMMARY	OBJECTIVELY VERIFIABLE INDICATORS	MEANS OF VERIFICATION	IMPORTANT ASSUMPTIONS
<p>Super GOAL Food Security in ASEAN+3 region is strengthened.</p>			
<p>Overall GOAL</p> <ol style="list-style-type: none"> 1. Statistical information and methodology of economic analysis developed by AFSIT Center are utilized in ASEAN Member countries. 2. Policies and programs for the agricultural sector are formulated and implemented by MOAC in more effective and efficient manners through accurate statistical information and economic analysis provided by OAE. 	<ol style="list-style-type: none"> 1.1 AFSIS database is regularly updated and used by member countries. 1.2 OAE continues to provide assistance to ASEAN member countries in agricultural statistics/ information and economic analysis. 2.1 Improved survey system and economic analysis methods continue to be used by OAE. 2.2 Statistical data and analysis results are published periodically and referred to or used in documents prepared by MOAC 	<ol style="list-style-type: none"> 1.1 Record of AFSIS database updating and utilization 1.2 Survey of OAE activities concerning regional activities on agriculture in ASEAN countries 2. Review of MOAC papers and reports on agricultural development policies 	
<p>PROJECT PURPOSE</p> <p>OAE is strengthened as a central institution for statistical information and economic analysis in terms of agricultural policy in Thailand and for supporting human resources development in AFSIS.</p>	<ol style="list-style-type: none"> 1. The statistical information and economic analysis officially issued by OAE are utilized by public and private organizations concerned. 2. Percentage of AFSIS training courses instructed by OAE is not less than 50% of all AFSIS training courses. 	<ol style="list-style-type: none"> 1. Review of official papers and reports. Result of bench mark survey. 2. Review of AFSIS training courses. Result of bench mark survey. 	<p>Thai government and ASEAN countries continue their activities on agricultural information systems for the ASEAN region.</p>
<p>OUTPUTS</p> <p><AFSIT Center></p> <ol style="list-style-type: none"> 1. Human Resources of OAE are developed for data collection methodology, information network system and agricultural economic analysis, including demand-supply forecasting, for ASEAN member countries. 	<ol style="list-style-type: none"> 1. OAE has below-mentioned number of personnel whose capability permits to conduct AFSIS training courses as instructor. Data collection methodology: 4 staff members Data processing & INS: 5 staff members Economic analysis: 4 staff members 	<ol style="list-style-type: none"> 1. Review of AFSIS training courses. 	<p>AFSIT Center is operated smoothly. OAE has good coordination with the relating organizations.</p>

<OAE>			
2 Data collection methodology (mainly for major food crops*) in OAE and 9 ROAEs is improved. *major food crops: rice, cassava, sugarcane, maize, soybean	2.1 The production survey is conducted during the harvest time of each major food crops by July 2007. 2.2 Reliable statistical survey results on the production of major food crops are available within 4 months after the survey. 2.3 The precision of sample survey estimates of major food crop yield is no more than 5% (regional level) and 3% (national level), respectively.	2.1 Review of OAE report for each crop. 2.2 Ditto 2.3 Ditto	
3. Information Network System between OAE and 9 ROAEs is established and developed further.	3.1 Time period required for data input and processing at ROAE and OAE for production surveys of major food crops is shortened by 50% compared with that of 2003. 3.2 Web sites are newly established in 9 ROAEs, through which regional statistics are available to the public.	3.1 Review of OAE activities 3.2 Review of web sites	
4. Methodology of agricultural economic analysis is developed.	4.1 The economic analytical report authorized by OAE is issued twice a year. 4.2 Outputs of I/O table (every 5 years), macro-economic model and commodity demand supply model (every year) for agricultural sector are reported once a year. 4.3 The seminar or workshop is held for a release of above-mentioned analytical report at least once a year, with more than 100 participants from public and private sectors.	4.1 Review of project and OAE reports 4.2 Ditto 4.3 Ditto	
5. Training capacity of OAE staff is developed.	5.1 8 training courses are conducted every year for the staff of OAE and ROAE in statistical data collection, data processing/information network system and economic analysis, through which 300 staff members are trained each year. 5.2 OAE has 15 staff members who can teach agricultural statistics and information to ROAE staff members and each ROAE has 3 staff members who can teach data collection methodologies to enumerators.	5.1 Review of project and OAE reports 5.2 Ditto	

<p><u>Activities</u></p> <p>1-1 Build capability of OAE staff in order to develop improved data collection methods for ASEAN countries</p> <p>1-2 Build capability of OAE staff in order to establish, operate and maintain information network system (INS) for AFSIS</p> <p>1-3 Build capability of OAE staff in order to develop Economic Analysis (EA) models for ASEAN countries</p> <p>1-4 Develop OAE personnel's training capability in data collection, EA & INS</p> <p>2.1 Introduce new data survey methodologies and improve current data collection methodologies</p> <p>2-2 Conduct training for staffs of OAE and 9 ROAEs staff in new and improved methodologies at OAE</p> <p>2-3 Conduct field technical guidance to ROAE staff on the data survey</p> <p>3-1 Design and establish Information Network System (INS) connection between OAE and ROAE</p> <p>3-2 Introduce data entry and processing system in 9 ROAEs</p> <p>3-3 Develop/ improve database systems for agricultural statistics and economic analysis</p> <p>3-4 Conduct training for management/utilization of information network, data processing and databases</p> <p>4-1 Identify appropriate methodologies for OAE and develop necessary models</p> <p>4-2 Identify additional economic data necessary for analysis and conduct surveys/studies for the required data (costs, consumption, marketing, etc.)</p> <p>4-3 Conduct users' training for analyses using these models</p> <p>5-1 Plan and implement training courses</p> <p>5-2 Evaluate training courses and develop manuals</p> <p><General Activities></p> <p>6-1 Establish required management and execution system</p> <p>6-2 Set quantitative targets for indicators</p>	<p><u>Inputs</u></p> <p>(By Japan)</p> <ol style="list-style-type: none"> 1. Long-Term experts <ol style="list-style-type: none"> 1) Chief Advisor 2) Project Coordinator/ Training 3) Agricultural Statistical Survey 4) Data Collection/ Information Network System 2. Short-Term Experts As necessary 3. Provision of following machinery, equipment, and other materials <ol style="list-style-type: none"> 1) Computer systems. 2) Vehicles 3) Crop cutting tools. 4) Other necessary machinery, equipment, and materials that may be mutually agreed upon. 4. Counterpart training in Japan 5. A part of local cost <p>(By Thailand)</p> <ol style="list-style-type: none"> 1. Provision of land, buildings and facilities for the Project and project offices, experts' rooms and so on 2. Operational cost 3. Maintenance and repair cost for computers and equipment 4. Cost for conducting training 5. Assignment of counterparts to each Japanese expert and supporting staff 	<p><<Preconditions>></p> <p>OAE accommodates ASEAN Food Security Information Training (AFSIT) Center under ASEAN Food Security Information System (AFSIS).</p>
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