Activity Summary of AFSIS



ASEAN Food Security Information System Expert Shoji KIMURA



ASEAN Food Security Information System

-Bangkok, THAILAND-

- **2002** Establishment Agreement (*AMAF+3 Minister Meeting*)
- **2003 2007** First Phase
- **2008 2012** Second Phase
- **2013 2015** Post 2nd Phase (*Preparation for Permanent Mechanism*)
- **2015** Third Phase (*Permanent Mechanism*)



To provide accurate, reliable and timeliness food security information

AFSIS Mission

- Food Security Information Network Development
- Human Resource Development
- Agricultural Statistics and Information Research Development

Main Activity of AFSIS

1. AFSIS Database (2005-)

Database Query Home / Challellos / Database Query				Search	Q
props	years	Pivot Settings			
Paddy Soybeans	▲ 1983 1984 1985	Nested by:	Country	•	
Maize (Corn). Dried Sugarcane Cassava	1985	Y1-axis :	Crop	•	
Other items	1988	Y2-exis :	Item	•	
	▼ 1990	▼ X-axis by:	Year	•	
tems	country				
	 Brunei Cambodia Indonesia Lao PDR Malaysia Myanmar Philippine Singapore 	-5			- -
	sho	ow table show graph sho	w bar graph Reset		
			U .		
Unit: Planted area and harvested area Farmgate price, wholesale price Population is in million persons Labor force is in 1,000 persons	a is in 1,000 hectares; yield in tor e and cost of production are in U	n/hectare:Production in 1,000 tor S Dollariton	8.		

1. AFSIS Database (cont.)

- **Time Series Data** : (1985 2013)
- Coverage : Rice, Maize, Soybean, Sugarcane, and Cassava
- Crop Calendar
- Data Items : Planted and harvested Area, Production and Yield Wholesale / Farm Gate Price
 Value and Quantity of Imports and Exports
 Food Balance Sheet
 General and Economics Indication

2. Agricultural Commodity Outlook Report (2008-)



ASEAN FOOD SECURITY INFORMATION SYSTEM (AFSIS)

ASEAN AGRICULTURAL COMMODITY OUTLOOK NO. 12 JUNE 2014



2. Agricultural Commodity Outlook Report (cont.)

• Member Countries Official Report

• **Issue :** June and December

• **Coverage :** Rice, Maize, Cassava, Sugarcane, and Soybean

• **Content** : *Supply Side* : Planted/ Harvested Area Production and Yield Damaged Area Import **Beginning Stock**

> *Demand Side* : Domestic Utilization Export **Ending Stock**

3. Early Warning Information Report (2008-)



....

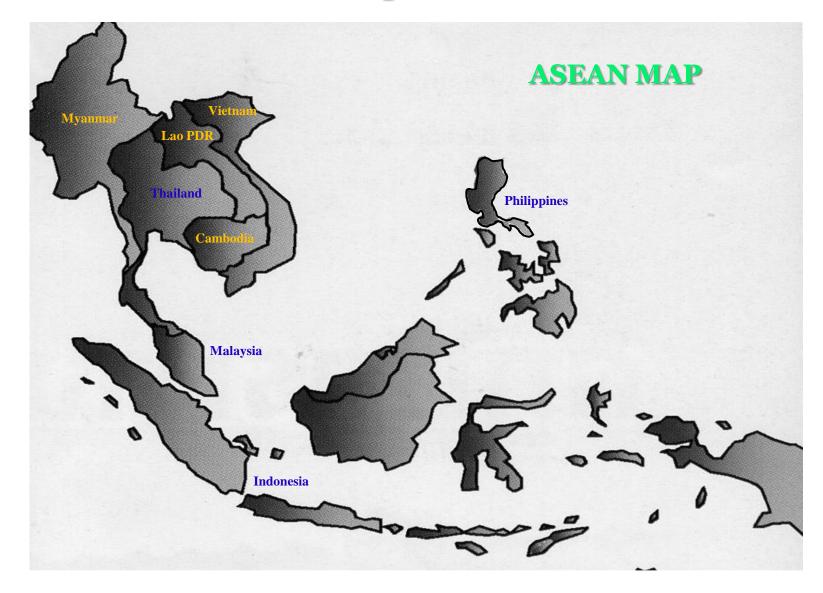


3. Early Warning Information Report (cont.)

Member Countries Official Report

- Issue : March and September
- Coverage : Rice, Maize, Cassava, Sugarcane, and Soybean
- **Content :** Planted/ Harvested Area Production and Yield Damaged Area

4. Mutual Technical Cooperation (2009-2012)



4. Mutual Technical Cooperation (cont.)

Countries

Indonesia and Cambodia

Thailand and Lao PDR

Philippines and Myanmar

Malaysia and Vietnam

Malaysia and Lao PDR

Philippines and Cambodia

Thailand and Vietnam

Topics

Supply-Demand Analysis and Forecasting for Agricultural Commodities

Remote Sensing

Sampling Techniques and Information Technology

Sampling Technique and Forecasting for Selected Agricultural Commodities

Sampling Technique for Selected Agricultural Commodities

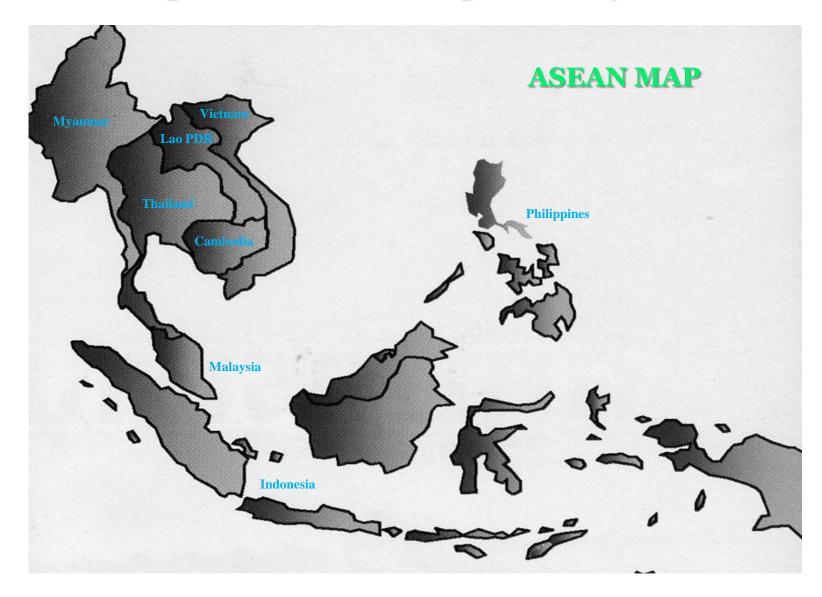
Survey Methodology and Information Technology

Statistical System and Survey Methodology

4. Mutual Technical Cooperation (2009-2012)



5. Forecasting Model Training Activity (2013-2015)



5. Forecasting Model Training Activity (cont.)

Activity

 \odot To create the mid-long term supply and demand for ecasting information

 \odot To enlarge the necessary data for creating forecasting information

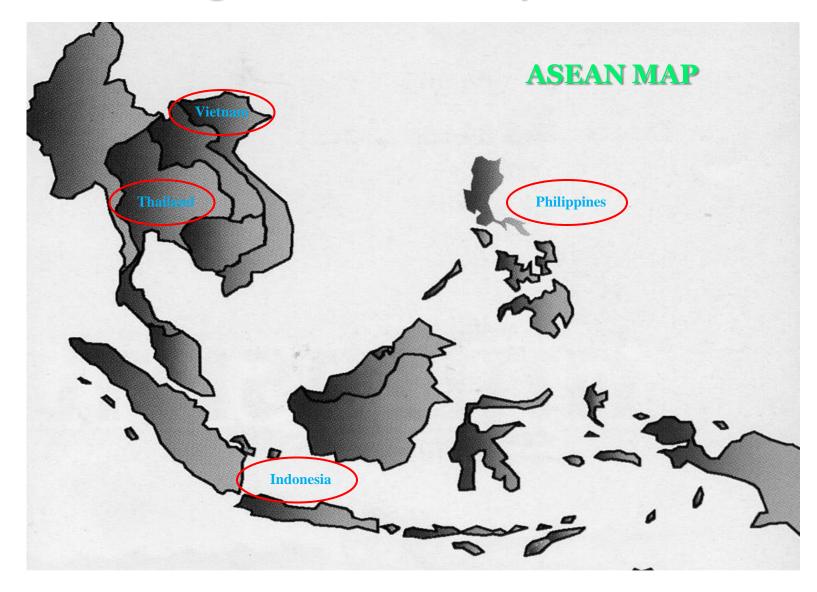
Target Commodity

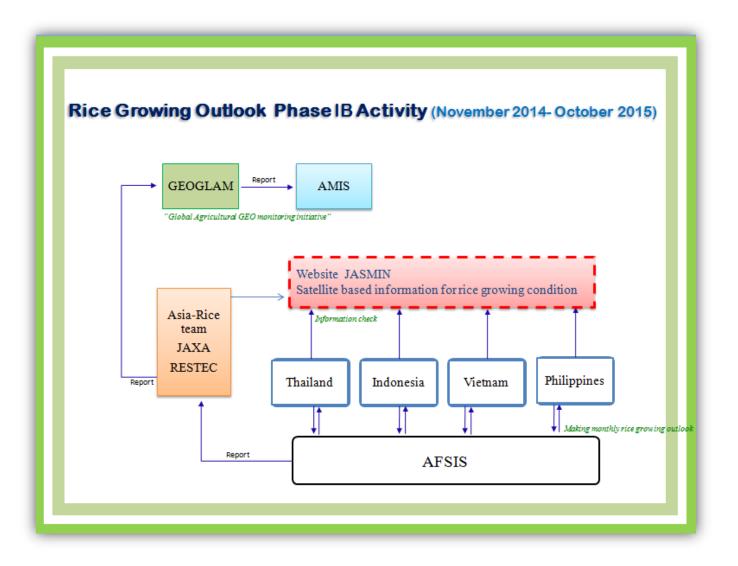
 \circ Rice, Maize, Cassava, Sugarcane, and Soybean

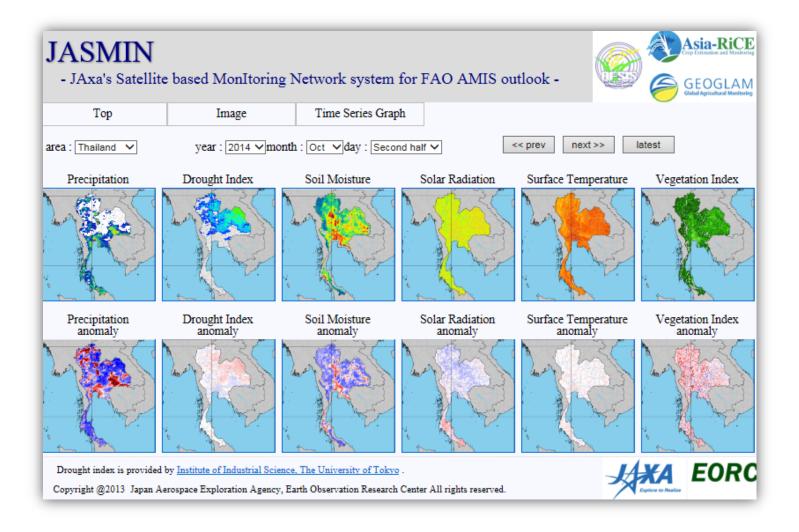
5. Forecasting Model Training Activity (cont.)

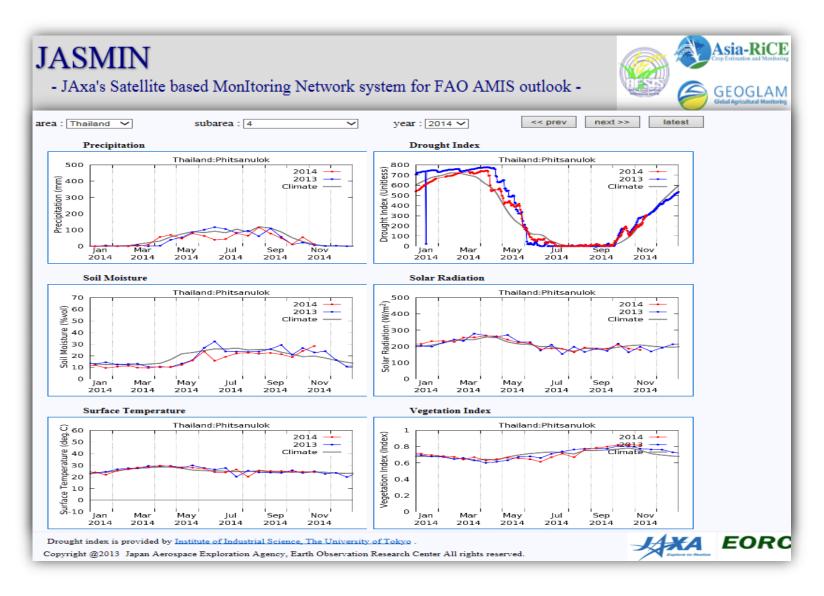


6. Rice Growing Outlook Activity (2013-)









Thailand

In the Northern and Central regions have started the harvesting of major rice (Wet season rice). The number of harvested area increases than the previous month. For the whole country, the cumulative production from August until the end of October, expected to be about 4 million tons of paddy.

The yield condition of major rice is generally good. The rice in the grain filling stage has the fair growth condition for all regions. On the other hand, some areas in the Southern region, the rice growing have slight damage by a shortage of agricultural water.

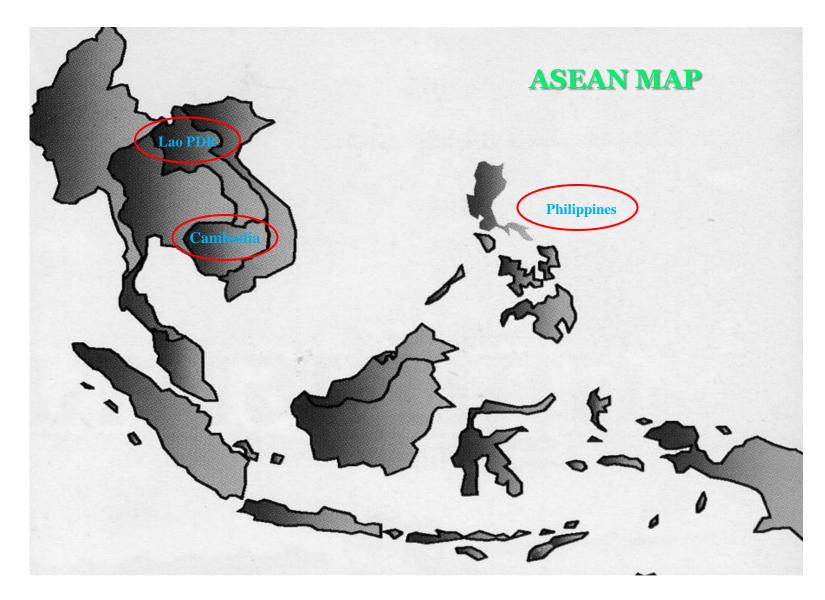


Ms. Chidchanok Lekkao

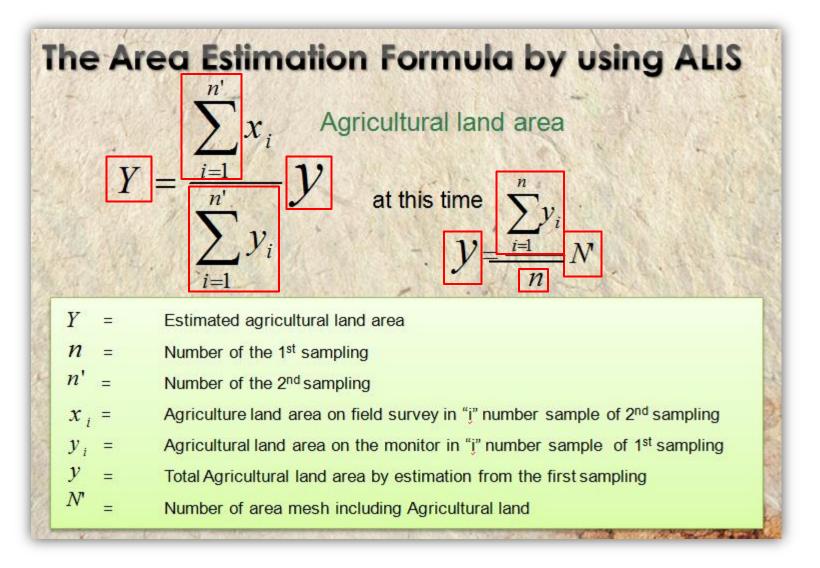
Statistician

at Office of Agricultural Economics,

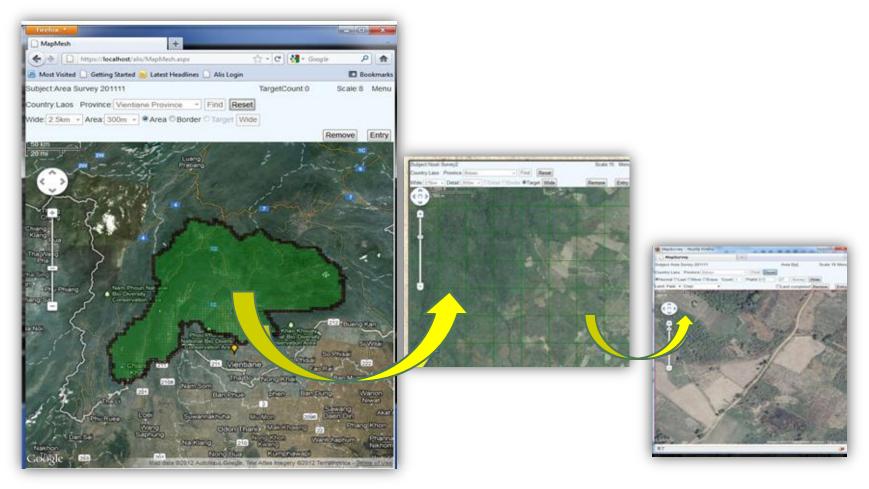
Ministry of Agriculture and Cooperatives



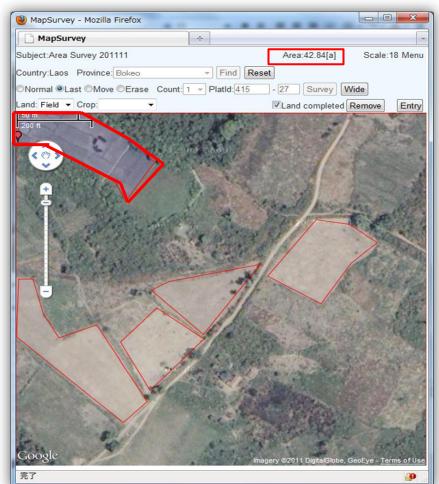




Function – 1 : Make the area framework and count the number

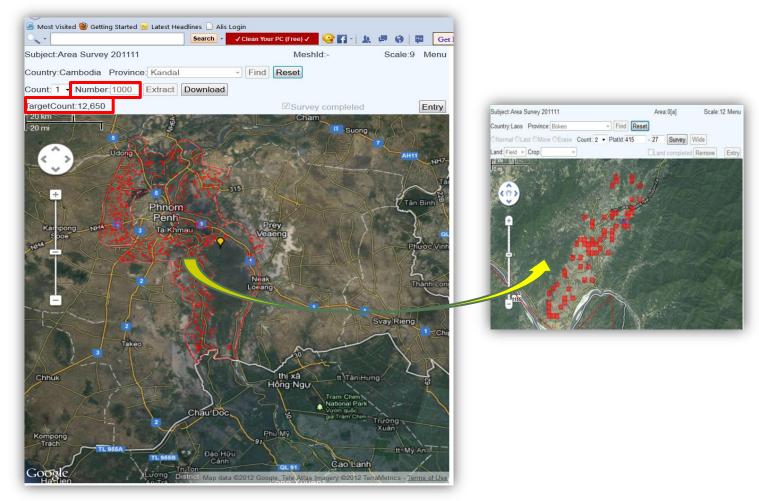


Function – 2 : Calculate the area of sample



Subject	Area Survey 201111						
No	: Country :	Province	MeshWideld	MeshAreald	; Land ;	Сгор	; Area [a]
1	Laos	Vientiane Province	230	34	cultivated land	rice	389.8
2	Laos :	Vientiane Province	230	: 34	cultivated land	mais	: 143.3
3	. : <mark>La</mark> os :	Vientiane Province	:232	.:	cultivated land	rice	. :
4	: Laos :	Vientiane Province	: 232	: 57	cultivated land	rice	: 659.4
5	Laos	Vientiane Province	232	59	cultivated land	ríce	836.8
6	Laos	Vientiane Province	234	5	cultivated land	rice	458.9
7	: Laos :	Vientiane Province	234	: 5	cultivated land	mais	227.5
8	Laos	Vientiane Province	234		cultivated land	rice	647:0
9	Laos	Vientiane Province	234	38	cultivated land	ríce	825.1
10	Laos	Vientiane Province	254	55	cultivated land	rice	443.8
11	Laos L	Vientiane Province	254	55	cultivated land	mais	66.7
12	: Laos :	Vientiane Province	254	: 56	cultivated land	rice	672.9
13	; Laos ;	Vientiane Province	: 254	; 56	cultivated land	mais	317.8
14	Laos	Vientiane Province	257	21	cultivated land	ríce	874.0
15	Laos	Vientiane Province	257	: 44	cultivated land	rice	1,001.83
16	Laos	Vientiane Province	261	: 16	cultivated land	rice	532.1
	Laos	Vientiane Province.		.:	.:cultivated land	rice.	
18	Laos	Vientiane Province	261	: 18	cultivated land	mais	48.3
19	Laos	Vientiane Province	277	24	cultivated land	rice	1,028.50
20	Laos	Vientiane Province	277	24	cultivated land		6.50

Function – 3 : Select the indicated sample randomly



Function – 4 : Support the field survey



Function – 5 : Estimate the area

2 3 4 5 5 6 7 7 8 9 0 0 1 2 - - - - - - - - - - - - -	< <se (<<cu (1) (2) (3) (3) (4)</cu </se 	te Result Sheet arch Condition>> Subject Country Province Land Crop ExtractCount Order Itivated Land Mesh>> Mesh on border line All Mesh mpling Mesh>>	Area Survey 201111 Laos Bokeo - ALL - - ALL - 2 Land 1,167 12,480 7,407		esh						IS	sue	date	201	1/10/19	9
3 4 5 7 7 3 3 9 0 0 1 1 2 2 3 3 4 4 5 5 6 6 7 7 8 8 9 9 0 0 1	< <cu [1] [2] [3] <<sa [4]</sa </cu 	Subject Country Province Land Crop ExtractCount Order Itivated Land Mesh>> Mesh on border line All Mesh mpling Mesh>>	Laos Bokeo - ALL - - ALL - 2 Land 1,167 12,480		esh											
4 5 3 3 3 3 3 3 3 3 0 0 1 2 3 4 4 5 5 6 6 7 7 7 8 8 9 0 0 1	< <cu [1] [2] [3] <<sa [4]</sa </cu 	Subject Country Province Land Crop ExtractCount Order Itivated Land Mesh>> Mesh on border line All Mesh mpling Mesh>>	Laos Bokeo - ALL - - ALL - 2 Land 1,167 12,480		esh											
5 3 7 3 3 9 0 1 2 3 4 5 6 7 7 8 9 0 1 1 1 1 1 1 1 1 1 1 1 1 1	[1] [2] [3] << Sa [4]	Country Province Land Crop ExtractCount Order Itivated Land Mesh>> Mesh in border line Mesh on border line All Mesh mpling Mesh>>	Laos Bokeo - ALL - - ALL - 2 Land 1,167 12,480		esh											
3 7 3 3 0 1 2 2 3 4 5 6 6 7 7 8 8 9 9 0 1	[1] [2] [3] << Sa [4]	Province Land Crop ExtractCount Order Itivated Land Mesh>> Mesh in border line All Mesh mpling Mesh>>	Bokeo - ALL - - ALL - 2 Land 1,167 12,480		esh											
7 3 3 0 1 2 3 4 5 6 6 7 7 8 8 9 9 0 1	[1] [2] [3] << Sa [4]	Land Crop ExtractCount Order Itivated Land Mesh>> Mesh in border line All Mesh mpling Mesh>>	- ALL - - ALL - 2 Land 1,167 12,480		esh											_
3 9 0 1 2 3 4 5 6 7 7 8 9 0 1 1	[1] [2] [3] << Sa [4]	Crop ExtractCount Order Itivated Land Mesh>> Mesh in border line Mesh on border line All Mesh mpling Mesh>>	- ALL - 2 Land 1,167 12,480		esh											_
9 0 1 2 3 3 4 5 6 7 7 8 8 9 9 0 1	[1] [2] [3] << Sa [4]	ExtractCount Order Itivated Land Mesh>> Mesh in border line All Mesh All Mesh	2 Land 1,167 12,480		esh											_
0 1 2 3 4 5 6 6 7 7 8 8 9 9 0	[1] [2] [3] << Sa [4]	Order Itivated Land Mesh>> Mesh in border line Mesh on border line All Mesh mpling Mesh>>	Land 1,167 12,480		esh									-		_
1 2 3 4 5 6 7 7 8 8 9 0 1	[1] [2] [3] << Sa [4]	Itivated Land Mesh>> Mesh in border line Mesh on border line All Mesh mpling Mesh>>	1,167 12,480		esh											-
2 3 4 5 6 7 7 8 9 0 1	[1] [2] [3] << Sa [4]	Mesh in border line Mesh on border line All Mesh mpling Mesh>>	12,480		esh	-				-	_					
3 4 5 6 7 7 8 8 9 0 0	[1] [2] [3] << Sa [4]	Mesh in border line Mesh on border line All Mesh mpling Mesh>>	12,480		esh					-	-		_			+
4 5 6 7 8 9 0 1	[2] [3] << Sa [4]	Mesh on border line All Mesh mpling Mesh>>	12,480							_	_		_			+
5 6 7 8 9 0 1	[3] << Sa [4]	All Mesh mpling Mesh>>		I m		-				_	_		_			
6 7 8 9 0 1	<< Sa [4]	mpling Mesh>>	(,407		esh	-		(2)			41 /	(10	110	<u> </u>	<	:<
7 8 9 0 1	[4]			1 m	esh	-	^	[3]	=	_1	ı] +	(12] / 2)	٨	۱r
8 9 0 1	[4]			-		-				-	-		-			VI.
9 0 1		First compling	1.000		aab	-			\square	-	-	\square				
0	[5]	First sampling Second sampling	300		esn esh	-				-	-		_]	1:
1		Second sampling	300	1 11	esn	-				+	+		_	_	1	
		Itivated Land Area>>		-		-				+	+			_		_
		First sampling on the monitor	623.11			-		100						ea on	1	1
		Second sampling on the monitor	184.65			-								ea on ea on	Ľ	
3		Second sampling on the monitor Second sampling in the field				-								ea on rea in t		
4	[8]	Second sampling in the field	2,130.91	а		-	-	Aggi	egali	e cu	luval	eala	ind ar	eamu		
5		op Planted Area>>		-		-				+	+			_		
		Cassava	170.73			-				+	-		_	_		
7	[9]	Corn	170.73			-				-	-		_	_	<	<
		Onion	241.65			-		_		+	-				_	_
9		Rice	568.56			-				-	-		_	_	l r	4
		Soybean	189.56			-		_		+	-		-	_	L	14
1		Sugarcane	78.92			-				-	-					-
3		Wheat	500.94			-				+	+					
4		- Empty - Field	184.65			-				-	-		-		7	
4 5		- Empty - Held	104.03	a		-	-		++	-	+	\vdash				
	e e Fo	timate Cultivated Land Area>>				-		-	+	+	+		/			
		Simple Estimate	4.615.38	2		-	*	[10]	=	0	61 /		[3]			
		Ratio Estimate	53,262.66			-	*	[11]	=			171 *	[10]			
9			33,202.00	Ľ		-		111		1	1		[14]			
	۲۲	timate Crop Planted Area>>		1	١						-					
		Cassava	4,215.32	a		-	*	1	-	P	91 /	[5] *	[3]			
2	[]	Corn	4.836.77			÷.			-	-	-17		(~)			
3		Onion	5,966.34							+	+		-			
.4		Rice	14.037.75			-				+	+		-			
5		Soybean	4,680.24		1					-	-					
6		Sugarcane	1,948.53						+	+	+		-			
.7		Wheat	12.368.21							-	+					
8		- Empty - Field	4,559.01							+	+		-	_		

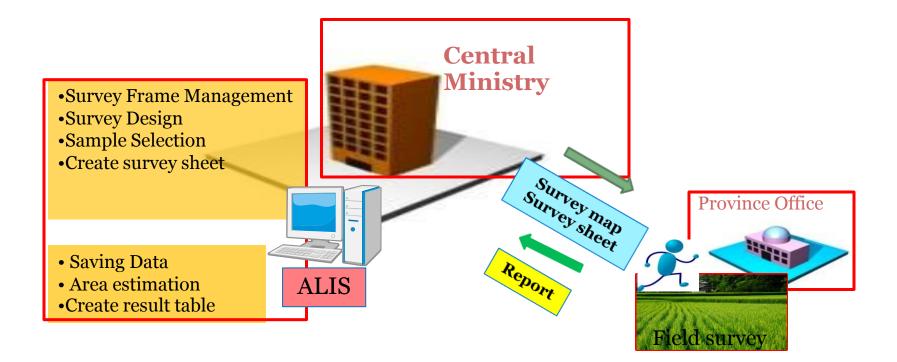
< <e Area</e 	stimate Cultivated Land			
[12]	Simple Estimate	3,332,052.85 a	*[12] =	[8] / [6] * [5]
[13]	Ratio Estimate	4,357,456.55 a	*[13] =	[10] / [9] * [12]

<> Estimate Crop Planted Area>>

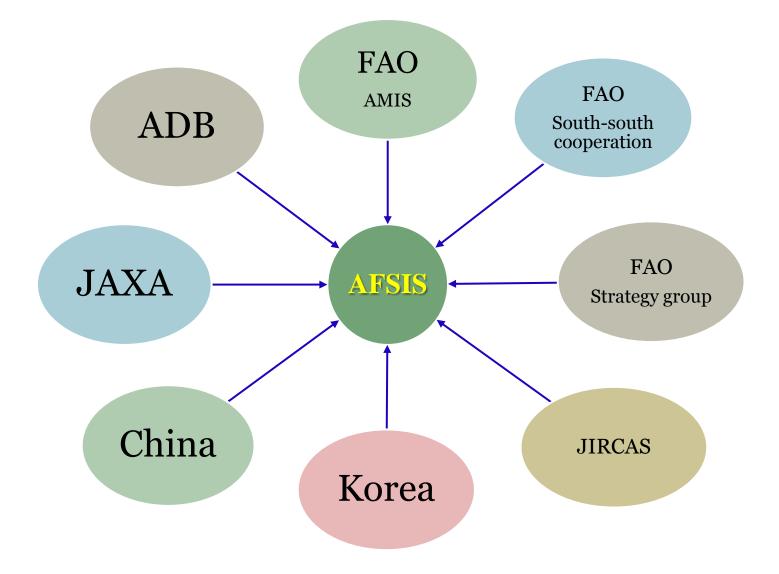
4]	cassava	146,174.33	а
	maize	306,652.78	а
	rice	3,630,305.25	а
	soybean	8,265.40	а
	sugarcane	26,655.75	а
	- Empty - cultivated land	7,895.80	а
		0.00	а

*[14] = [11] / [7] * [5]

ALIS is a Centralized Management Survey System



Cross – Cutting and Training



AFSIS Website (http://www.afsisnc.org/)

AFSIS Secretariat organized the 2nd AFSIS Forecasting Model Training

Programme

Like 139 people like this

What's new

The AF365 Secretaries expected the 2rd AF365 Fernerality Mobil Traini Programmers to proprior expecting of Montree Contribution the available Programmers photometers, and to develop permitted of the probability agriculture polegy, daming 24-30 May 2514 at the Office of Agriculture. Resci Thorse



Data highlight

..........

completos with the Project Implementation Paer of sech year. the maps Consists of 2 types of report which are Early Warning Information (EWI) Casality of 2 types of Repart which are using including Negoti self Agricultural Commandly Cultack (ACC) Plagant, Each report is activities of the Project can be divided into three categories, which are radiation in the state of the Your 2018. Head more a Information Network Orwitigment, Human Necturios Development and Administrative Activities. Head more -Statistics Oreanization provide statistics on production, trade, price, GDP, population, later, land use provide list of memory and addressess of officiers of 12 member countries who ----(R2) and cost of production of five commutilities in ASEAN +1 countries which are are responsible for managing and assisting in carry out APSPS activities. rice, maine, sugarcare, scybears and cassesse. Pead more + Phone I results in ALIS. Cross-Cutting Agricultural Land Information System is a new and epoch-making area survey FAO - ASEAN Agriculture Policy Heat mine > 0 0 system using area much frame for quarteles which appointural additions survey are developing front more +

30 #FIRS Secretariat organized the 20th Focal The rich diversity of birds in rice field 05 monvitores. Point Meeting of AFSES and the 2nd AFSES Plos fields cover 160 million became around the 1000 The AP 525 Secretarial Instart the 12th Purch world --- are areas recent flears six times the size of Part Meeting of APSIS to decase testes or Itse United Kingdom. They are an important accepsition for various animate, including a the transformation of APSTS into a permanent mechanism during 28-27 May 2014 at the Office Phased errors of Events Publication APSIS Secretariat convened the 12th Focal Point Meeting of APSIS Finbry, May 31, 2014 The APS/S Secretariat hosted the 12th Focal Point Meeting of AFS/S to decore serves on the transformation of AF 525 into a permanent. all with Feed and Agriculture Organization of the MAFF APTERR What we do RSS Feed Stay Connected The Project is implemented under ASEAN + 3 Exemption 24-focus for phase former (HK in Standard and Article and Standard Artigeneous Austrolates Isolay focus in all articles show (J. S. Well be in Afgineration in 2019 on and led by Thelend, in particular, the funal Economics (CAE), Ministry of Apric

• Event

• Publication (ACO and EWI)

o Database

- ALIS
- **o Rice Growing Outlook**
- Cross Cutting

• Others

Thank You