

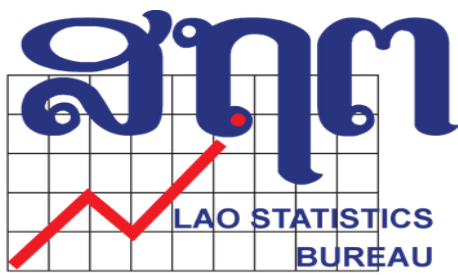
MINISTRY OF PLANNING AND INVESTMENT  
LAO STATISTICS BUREAU

# Workshop on Energy Statistics for ASEAN Countries

Kuala Lumpur, Malaysia  
21-23 November 2016

**Data Collection On Energy Statistics and Using  
Data to Establish The Supply and Use Table**

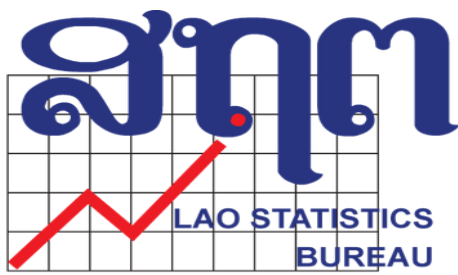
**Sypaseut NAVONGSA  
Department of Economics Statistics**



**MINISTRY OF PLANNING AND INVESTMENT**  
**LAO STATISTICS BUREAU**

## **Presentation Outline**

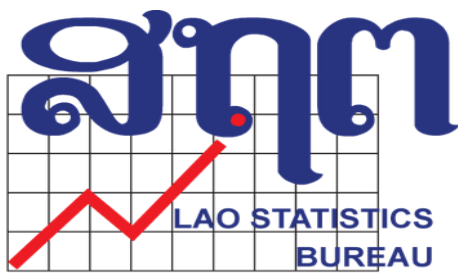
- Background
- Data Collection
- Classification
- Supply and Use Table 2012
- Development Plan



# MINISTRY OF PLANNING AND INVESTMENT LAO STATISTICS BUREAU

## Background

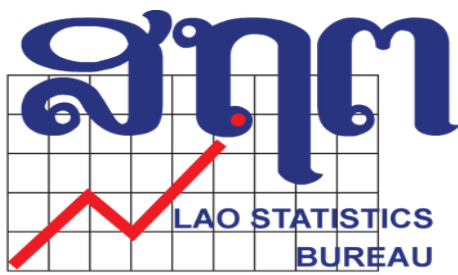
- The Lao statistics bureau (LSB), Ministry of Planning and investment is the organization responsible for collecting, processing, analysis and dissemination of the social-economic official statistics in Lao PDR,
- Line ministries, Bank of Lao PDR and Provincial Statistics Central is responsible for its administrative data in collecting and compiling



# MINISTRY OF PLANNING AND INVESTMENT LAO STATISTICS BUREAU

## Data Collection

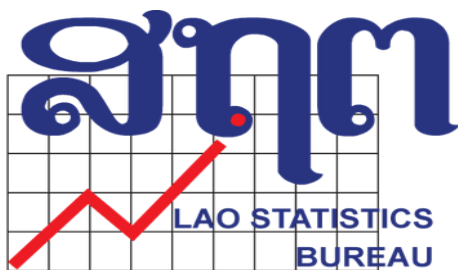
- Received Quarterly administrative data from line ministries and Provincial Statistics Central.
  - Quantity and value of production by products
- Collected data by interviewing household and establishment survey that conducted by LSB.
  - Quantity and value of production by products
  - Quantity and value of consumption by products
- The main objective of data collection is providing for compiling the national accounts, especially estimates annually GDP.



# MINISTRY OF PLANNING AND INVESTMENT LAO STATISTICS BUREAU

## Data Collection (Cont.)

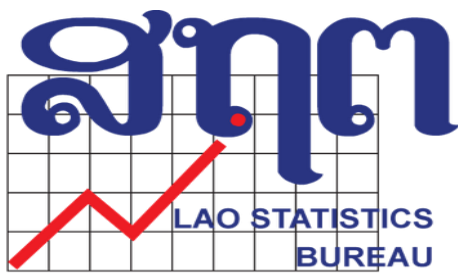
- **For energy statistics**
  - Ministry of Energy and Mines (MEM) is main source for providing administrative data.
  - Annual establishment survey provides production and expenditure on energy as input for processing in production, included raw material, electricity, petroleum, and gas.
  - Annual household survey, Lao expenditure and consumption survey (LECS) provides energy production from household, and expenditure on energy for final consumption and intermediate input of operating for household business.



# MINISTRY OF PLANNING AND INVESTMENT LAO STATISTICS BUREAU

## Classification

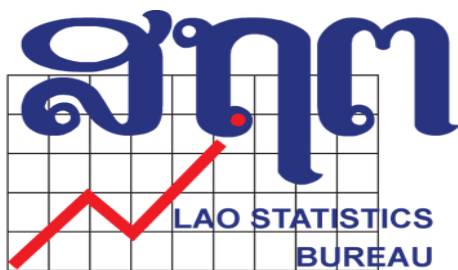
- Administrative and survey data were classified based on ISIC Rev 4 and CPC Ver 2.0
- Export-Import data were classified based on HS and CPC
- For final household consumption expenditure based on COICOP and CPC.
- LCPA (Lao Classification of Products by Activity) is a structure of classification that is combined between ISIC and CPC



**MINISTRY OF PLANNING AND INVESTMENT**  
**LAO STATISTICS BUREAU**

## **Supply and Use Table**

- The Lao SUT was established as benchmarking to produce the Lao National Account.
- The consequences, it gives the GDP production and Expenditure 2012, and GDP base year 2012 and is also shows the supply and demand in Lao economy.

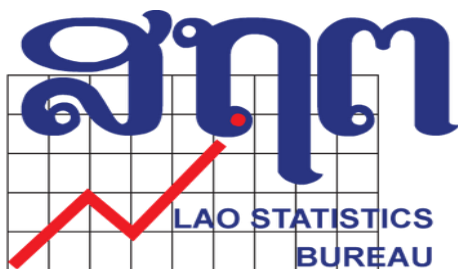


MINISTRY OF PLANNING AND INVESTMENT  
LAO STATISTICS BUREAU

## GDP base year 2012

<b>Production Account</b>	<b>bn Kip</b>
Total output	124,311
less Intermediate consumption	-49,934
<b>Gross value added at basic prices</b>	<b>74,377</b>
Taxes on products	7,233
<b>GDP at market prices</b>	<b>81,610</b>
<b>Expenditure Side</b>	<b>bn Kip</b>
<b>GDP at market prices</b>	<b>81,610</b>
Household final consumption expenditure	53,160
Government final consumption expenditure	9,878
Fixed capital formation	26,522
Exports of goods & services	28,472
less Imports of goods & services	-36,423





# MINISTRY OF PLANNING AND INVESTMENT

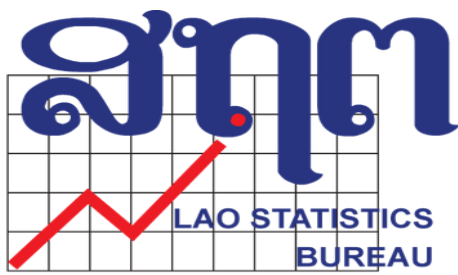
## LAO STATISTICS BUREAU

### Supply and Use Table 2012

LCPA	Imports	Output	Margins	TOTAL							Exports	Label
				Taxes on products	TOTAL SUPPLY	DEMAN D	Int Demand	HFCE	Other final demand			
<b>Total</b>	<b>36,423</b>	<b>124,311</b>	<b>0</b>	<b>7,233</b>	<b>167,967</b>	<b>167,967</b>	<b>49,934</b>	<b>53,160</b>	<b>36,400</b>	<b>28,472</b>		
A1	301	10,480	1,029	42	<b>11,852</b>	<b>11,854</b>	3,363	7,636	0	855	AGRICULTURAL CROPPING	
A2	57	2,469	279	6	<b>2,811</b>	<b>2,811</b>	1,949	823	0	40	LIVESTOCK & LIVESTOCK PRODUCTS	
A3	0	2,273	94	105	<b>2,472</b>	<b>2,472</b>	1,371	1,028	0	74	FORESTRY & LOGGING	
A4	32	2,291	497	1	<b>2,820</b>	<b>2,820</b>	362	2,458	0	0	FISHING	
<b>B0</b>	<b>181</b>	<b>13,603</b>	<b>17</b>	<b>700</b>	<b>14,500</b>	<b>14,500</b>	<b>1,843</b>	<b>45</b>	<b>0</b>	<b>12,613</b>	<b>MINING &amp; QUARRYING</b>	
C1	1,371	7,417	2,799	70	<b>11,658</b>	<b>11,659</b>	2,889	7,768	0	1,002	MANUFACTURE OF FOOD PRODUCTS	
C2	87	2,989	1,064	1,498	<b>5,638</b>	<b>5,637</b>	817	4,499	0	321	MANUFACTURE OF BEVERAGES & TOBACCO	
C3	686	2,418	845	133	<b>4,082</b>	<b>4,081</b>	1,154	1,326	0	1,601	MANUFACTURE OF TEXTILES, CLOTHING, FOOTWEAR & LEATHER GOODS	
C4	534	2,267	484	88	<b>3,373</b>	<b>3,373</b>	1,500	232	0	1,641	MANUFACTURE OF WOOD, PAPER & RELATED PRODUCTS; PRINTING	
C5	9,445	1,472	1,498	1,208	<b>13,623</b>	<b>13,623</b>	9,506	3,625	0	492	MANUFACTURE OF PETROLEUM, CHEMICAL, RUBBER & PLASTIC PRODUCTS	
C6	1,261	1,587	462	26	<b>3,336</b>	<b>3,336</b>	3,274	41	0	21	MANUFACTURE OF NON-METALLIC MINERAL PRODUCTS	
C7	18,225	891	3,833	2,242	<b>25,192</b>	<b>25,192</b>	7,733	6,413	10,756	289	MANUFACTURE OF METAL PRODUCTS, MACHINERY & EQUIPMENT	
C8	389	980	311	72	<b>1,752</b>	<b>1,752</b>	292	658	711	92	MANUFACTURE OF FURNITURE & OTHER GOODS; REPAIR & INSTALLATION	
<b>D0</b>	<b>512</b>	<b>6,100</b>	<b>0</b>	<b>223</b>	<b>6,836</b>	<b>6,836</b>	<b>2,200</b>	<b>615</b>	<b>0</b>	<b>4,021</b>	<b>ELECTRICITY</b>	
E0	0	694	0	0	<b>694</b>	<b>694</b>	571	123	0	0	WATER SUPPLY; SEWERAGE, WASTE MANAGEMENT & REMEDIATION ACTIVITIES	
F0	350	16,477	0	0	<b>16,828</b>	<b>16,828</b>	1,377	303	15,055	92	CONSTRUCTION	
G0	0	14,449	-13,282	41	<b>1,208</b>	<b>1,208</b>	754	454	0	0	WHOLESALE & RETAIL TRADE; REPAIR OF MOTOR VEHICLES & MOTORCYCLES	

## Supply and Use for Energy 2012

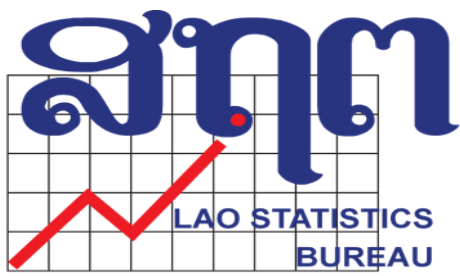
SUT 2012	Hard coal	Lignite	Crude petroleum and natural gas	Electricity
<b>Total Supply</b>	<b>460</b>	-	<b>25</b>	<b>6,836</b>
Output	319	-	0	6,100
Import	130	-	24	512
Tax on products	11	-	1	223
<b>Total Demand</b>	<b>460</b>	-	<b>25</b>	<b>6,836</b>
Intermediate Consumption	405	-	25	2,200
Final Consumption	-	-	-	615
Export	55	-	-	4,021



**MINISTRY OF PLANNING AND INVESTMENT**  
**LAO STATISTICS BUREAU**

# Development Plan

- In 2020,
  - LSB will establish and publish the new reference year for Supply and Use Table base year 2017,
  - Also establish the first Input-Output table of Lao.
  - Energy balance from Input-Output table.
  - Environmental Accounts



**MINISTRY OF PLANNING AND INVESTMENT  
LAO STATISTICS BUREAU**

**Thank you**