



**Lao People's Democratic Republic**  
**Peace Independence Democracy Unity Prosperity**

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**Strategy for the Sustainable Development of  
the National Statistical System 2016-2025  
and Vision by 2030**

**TO CONNECT INTERNATIONAL STATISTICS STANDARD AND  
HIGH QUALITY OF OFFICIAL STATISTICS BY FULFILLED  
PRODUCTION AND DISSEMINATION, PRICISION AND TIMELINESS**

**VIENTIANE CAPITAL, 7 March 2017**

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## Foreword

Developing a good, efficient and effective National Statistical System (NSS) is necessary objective and subjective important for the country to improve the quality of official statistics as according to statistical scientific approaches and methodologies with the appropriate production, visualization, dissemination and appropriately use.

The major necessities for improving Strategies for the Development of the National Statistical System (SDNSS) 2010-2020. After implemented during 5 years ago 2010-2015, It clearly indicated and requested to review and improve thevisions, missions, goals, purpose, outcome, workplan and measures for statistical development in line with the Strategies for the Development of the National Statistical System of Lao PDR 2016-2025 and vision toward 2030; to monitor and evaluate the progressive on carrying out the government's policies, the 8<sup>th</sup> five-year National Socio-Economic Development Plans; to help the country graduate from least developed status in 2020 and target of the sustainable development goals in 2030; to make available the necessary data to support regional and international integration; as a foundation and framework for funding mobilization, support and assistance from all stakeholders in society, both domestically and internationally.

The Strategy for the Sustainable Development of National Statistical System (SDNSS) 2016-2025 aims to improve and strengthen the foundation for the development of statistical production both quantity and quality, to ensure that the National Statistical System is comparable to international standards, and to create credibility of the National Statistical System to public sectors, development partners, funding supporter and private sectors from both domestically and internationally.

Moreover, it also ensure comprehensively available economic, social, environment and sustainability official statistics for users with high quality, timeliness, transparency and credibility; to ensure that the production of official statistics is efficient by using modern information system and methods; and to involve all stakeholders in society to actively participate in statistical production with high commitment and responsibility.

The Strategy for the Sustainable Development of National Statistical System (SDNSS) 2016-2025 defined five strategy objectives and 15 work programs/outputs and key priority activities in each work program are defined as to improve regulatory and institutional framework (three work programs); developing statistical infrastructure (two work programs); official statistics administration management and development (five work programs); and ensuring activities of statistical networks (three work programs), encouragement and resource management (two work programs) with the overall objectives to improve and develop the national statistical system and activities to become efficient, effective and sustainable.

To ensure this strategy will be implemented effectively; policy makers, plan formulators, statistics producers and users and all members in the society are urged to enthusiastically support statistical activities to achieve the greatest possible success.

# **Part I: Current Assessment of Statistical Works, 2010-2015**

## **1. Brief Summary of Statistical Activities and Results**

### **1.1. Legal Framework and Implementation**

#### **1.1.1. Legal Framework**

- 1) Have successes drafting Statistics Law in 2010 and law implementation decree and dissemination overall country along with implementing the strategies to the practices; evaluated and assessed for implementing statistic law no. 03/NA dated on June 30<sup>th</sup> 2010 to be the basis for drafting Statistics Law which will involve broad discussion and consultation with all relevant stakeholders. The draft will then be proposed to the government and the national assembly to endorsed in 2017.
- 2) Have successes developed strategy for development national statistical system in 2010, each sector must be translated into workplan, project under their own sector; the evaluation of the implementation for past five years (2010-2015) via internal and external evaluation.

#### **1.1.2. Organizational System Improvement**

- 1) Lao Statistics Bureau , Ministry of Planning and Investment have upgraded from bureau to ministry-equivalent organizations, improved from 7 divisions of previously Statistics Department (2010) to be 3 main Departments, 1 Department of Administrative and has 13 divisions, which defined in Prime Ministerial Decree 51/PM dated on February 25th, 2011 regarding Organizational Structure and Operations of the Lao Statistics Bureau ; Agreement of minister of Ministry of Planning and Investment regarding Organizational Structure and Operations of Department of Administrative, Department of Economic Statistic, Department of Social Statistics and Department of Data Services; Agreement no. 0703/MPI, 0706/ MPI, 0707/ MPI, 0708/ MPI dated on March 14th, 2012 respectively.
- 2) Provincial Statistics Center, District Statistics Center, Village Statistics Sector have defined for establishing under decree of minister of Ministry of Planning and Investment 0729/MPI dated on March 15th, 2012, so far 17 Provincial Statistics Centers and Vientiane Capital Statistics Center have established. 107 in 148 total District Statistics Centers have established. Village Statistics Sectors have not established yet.
- 3) Many ministries have established Statistics Center or Statistic Division up to date there are Statistics Centers in three ministries, Statistic Division in 10 ministries; Statistics Section in surrounded provinces and Statistics Units in surrounded districts have not able to comply with statistics law properly.

#### **1.1.3. Human Resources**

- 1) In 2010, Lao Statistics Bureau consisted of 60 staffs and 149 staffs at the present. However, it is inadequate as requirement according to the quota stated in the strategy (about 160 staff by 2015).

- 2) In average, less than 5 staff in Provincial Statistics Center in 2010, currently 167 staff in total (average 8-10 staff). There is not much change in district level, currently 284 staffs (average 2 staff/district), and there is no statically staffs in village level as defined in statistic law.
- 3) Ministry, organization are increased in 2010, many ministries did not have statistical staff, but there are totally 228 staffs within 18 ministries and 3 organizations at present.

### **1.2. Statistical Infrastructure Development**

- 1) Have research on the statistical principles and international standard economic activity classification system and potential adoption taking into account actual conditions of the country. At the same time, the application of economic activity classification system in the official statistical data collection, analysis and dissemination, have succeeded for making and reviewed applied statistical text book in specific field 10 text books cooperated with the National University of Laos, English-Lao Statistical Dictionary, basic and applied statistics manuals, introduction statistics learning for users and manual related produce statistics in each sector.
- 2) Have succeeded developed the Information Technology (IT) system master plans of to improve using moderately advanced computers to facilitate statistical activities such as: creating statistical data storage server, create website, Lao Statistics Bureau homepage system, and create internal and external networks linking databases in central and local levels.
- 3) In addition, security protection and statistical IT equipment maintenance have gradually been improved, though there is still limitation in budget and staff's skills.

### **1.3. Management and Development Official Statistics' Data**

- 1) Have carried out Strategy for Development of the National Statistical System 2010-2015 activities, namely data collection, compilation, analysis, dissemination and report writing. Examples of statistical products resulted from above activities are Annual Statistics Year Book, 40 years magazine, quarterly and annual price statistics (Consumer Price Index and Inflation Rate); and also, price survey to support international comparison; calculated and estimated of annual Gross Domestic Product (GDP) and annual population. Collected and compiled annual poverty data according village statistics data.
- 2) Ministries and ministry-equivalent organizations have completed preparing annual reports and publishing annual magazines. All provincial statistics departments and Vientiane capital have completed data collection and compilation to report to their high-ranking authorities within their vertical and horizontal line; and calculated data for provincial economic growth, at the same time they have also produced statistical yearbooks to use within those provinces, ministries and organizations.

- 3) Have completed large-scale and sample surveys including processing and analyzing data from the surveys, writing reports and disseminating results. Those surveys are: the fourth Population and Housing Census in 2015, the second Agriculture Census in 2011; the second Economic Census in 2013, the fifth Annual Household consumption and Expenditure survey in fiscal year 2012-2013, annual household surveys from 2011, 2014 and 2015, annual enterprise surveys from 2012- 2015, the first Index Social Survey from 2011-2012, Laboring and Child surveys 2012, Official Statistics Users Satisfaction Surveys in 2014 and other surveys. Have built aggregate databank and database using LaoInfo program to disseminate all indicators related to Millennium Development Goals, LNADA to be database for surveys, Decide Info to disseminate mapping data model, practice establishing Southern Statistics Center, have contributed to writing progress report of the third Millennium Development Goals in 2013 and others.
- 4) Have improved data collecting system in village related to poverty statistics; created and analyzed poverty data to supply government in each period.

#### **1.4. Capacity Building and Cooperation**

- 1) Have organized annual meetings on official statistics supply and demand from 2010 to present which serve as annual statistical meetings as well as forum for statistics producers and users to meet, discuss and plan statistical activities together. The coordination has gradually improved through mechanisms such as data collection, dissemination and annual meetings as well as various surveys in each period. In addition, seminar on vertical line of statistic system for high ranking administrators have organized; to enhance capacity on administration and statistics work implementation to each area successfully.
- 2) Some staff from central as well as local levels has enhanced their statistical expertise and skills as well as policy-administration theories by participating in seminars, training, and study tours both domestically and internationally.
- 3) Have attended statistical meetings and seminars held in the country and overseas such as: ASEAN Head of Statistical Offices Meeting, United Nations Statistical Commission meeting, Asian Pacific Statistics Committee meeting, and other international meetings.
- 4) Have cooperated with international agencies, attracted financial and technical assistance, developed and boosted the national statistical system's capacity. The cooperation has been done through various forms such as: Lao-Sweden Cooperation on Statistics supported by SIDA, and through the support from United Nations, Financial Institutions, development partners, and other international organizations.

#### **1.5. Budget**

After statistics law and strategy for development national statistic system have been approved from national assembly and government, Statistical Works implementation has been improved continuously and Statistical Works implementation on vertical line from central to local has been being the first level of

financial unit, received increasing budget in each year to implement statistics as if general mention, and others surveys have received much more budget as if specific mention, so it could do census and sampling survey. The specified budget of Lao Statistics Bureau for five years from 2016-2020 is 264,621 million kip, 88,204 million kip for improvement and produce statistics, average 17,641 million kip/year. Moreover, technical assistance, funds and equipment from co-development partner, international organization, funding supporter and neighboring countries are about 56,133 million USD.

## **2. Overall Evaluation**

### **2.1. Keys Achievement from implementing Strategies for National Statistical System Development**

From implementing above-mentioned main activities, many outstanding results have been obtained such as those that follow:

- 1) Roles and awareness of statistics have increased through the implementation of statistics law and strategy for development national statistics system, to upgrade Lao Statistics Bureau to ministry-equivalent organizations and receive the first level of government budget.
- 2) Coordination within the National Statistical System has significant progressed and coordination among statistics producers and users has been continuously improved.
- 3) Provide the Basic statistics and apply statistics trainings to vertical and horizontal line staff, dissemination of official statistics both in domestic and international.
- 4) Statistics staff have been skillful comparable with an integration to international standard of the statistical work and being able to implement its duty on international stage and organize regional meeting.
- 5) Official statistics (i.e. economic, social, environment and poverty) have been successfully produced; and a national database was created to support the seventh five-year Socio-Economic Development plan (2011-2015) evaluation and planning especially the eighth five-year Socio-Economic Development plan (2016-2020), Millennium Development Goals Progress Report preparation in 2015, and monitoring and evaluation of other national programme. The significant success was the fourth Population and Housing Census in 2015 which supported by government budget that cover more than a haft of total census budget.
- 6) Mobilization of international aid has fairly successful during the past 5 years, international organization, Donors and neighboring countries also provided technical assistance, fund and physical input into virtual statistic work toward the achievement of its objectives and goals.

### **2.2. Strengths and Causes**

- 1) Leaders in Party-Government, Ministry of Planning and Investment and Lao Statistics Bureau have consistently provided guidelines and directions on the operations of national statistical work; the Department of Statistics has performed

a central role in collecting, summarizing, analyzing and disseminating official statistics which are used to support socio-economic development planning of the government and for general domestic and international users.

- 2) Statistics law and strategy for development national statistics system have become legislative reference to role and responsibility determination in each level, additionally operation for structural implementation and data collection of staffs within national statistics system helped statistics work successfully, the sector have been established, though quantity or capacity is still limited. The statistics law has been improved and will be used in 2017.
- 3) Technical staff is skillful and knowledgeable that the quality of their works is guaranteed; and they are also highly decisive. There is a gender balance among staff. There is also many young staff who can rapidly learn and be trained.
- 4) Many sectors have been established to facilitate coordination and specific work for improving statistics quality within Lao Statistics Bureau, ministry and organization.
- 5) Causes of these strong points are (1) the leading party and government, more specifically leaders of Ministry of Planning and Investment and Lao Statistics Bureau, have recognized the importance of statistics; (2) people in society, enterprises in urban as well as rural areas have enthusiastically provided their responses to economic and social data collection and large-scale as well as sample surveys; (3) statistics producers and users understand basic foundation about the roles of statistics toward the integrational internationally and with development partners. International organizations are interested in, pay attention to, and provide support to statistical activities.

### 2.3. Limitations and Causes

#### ❖ Limitations

- 1) Strategy for development national statistics system has not disseminated nationwide yet, and provided guidelines and the directions on the implementing does not broadly understand on statistical, no detail regarding guidelines and directions on the implementation, some sectors do not have clear workplan for guidelines and directions on the implementing strategy.
- 2) Improving national statistics system according to vertical line is not achieved particularly at the district level, village level could not implement. Statistical Works implementation at the horizontal line (ministry, organization, provincial and district department, Provincial Statistics Center still cannot establish in all provinces.
- 3) Staff competency does not effectively meet the needs of the national statistical system. Comparing with many countries and to statistical needs in this modern era, numbers of statistical staff are still small particularly in district and village level do not have clear statistics responsible person.
- 4) The application of new technology into statistical activities is still limited due to insufficient capacity and funds.

- 5) Budget supply for activity operation, equipment purchasing, vehicle is still limited and inadequate with their real needs.
- 6) Statistics production and dissemination are still not fully comprehensive as follows:
  - The use of statistical concepts, standards, methodologies as well as classification systems is still not satisfactory. Still cannot do as international standard.
  - Vital registration is not clearly obligated responsibility between Lao Statistics Bureau and related sectors. Previous operation is not systematic and continuous; Enterprise registers are not systematical operating mechanism and improving to updated circumstance and unequally.
  - Statistics production is not comprehensive: For example, many main indicators cannot be produced such as real national income; many price statistics cannot be calculated such as Producer Price Index in overall sectors, Import/Export Price Index, Retail/Wholesale Price Index; Poverty statistics can only be produced for five-year time frame at the national and provincial levels; and the annual assessment is not continuous and lacks clear methodology and consistency particularly for assessing household poverty.
  - Most of the reports are produced on an annual basis; reports on quarterly basis and monthly basis are still limited. Lao PDR is the only country among ASEAN members that does not have international standard statistics dissemination system.
  - Coordination of the statistics implementing between its vertical and horizontal line in the local is poorly implemented; mostly they only report to their vertical line, but for the report to its horizontal is not yet fully consistency in term of data.

❖ Causes of these limitations:

- 1) Some staff understand the implication and importance of statistical works but lack responsibility and ability to deeply utilize their knowledge in actual works; statistical work has not been prioritized as shown by the fact that the budget allocation and numbers of staff are insufficient to meet statistical needs in these new decades;
- 2) Operation system for statistics organizational structure is not completed particularly in district level and sectors on horizontal linkages have not established yet, human resources is not enough as needed quota and competence particularly in local level who responsible for data collection. Management of statistical works in the National Statistical System are not adequately effective and efficient;
- 3) Coordinating system is not systematic and continuous; works are done separately without cooperation and technical consistency as shown in some areas;
- 4) The budget for activities operation in statistics system is still limited particularly funds resource assistance from domestics and internationally is not well operated, lack workplan/clear activities including deeply understand to assisting policy and process of fund donor assistance.

## 2.4. Lessons learnt

- 1) Improve and disseminate statistics law; increase ownership and high responsibility of each sector on performance under law, statistical decree, regulations and principles strictly. Create and improve reporting system to routine system by awareness and contribution entirely.
- 2) Improve and adopt Strategy for development national statistic system in each period is objectively requirement. Therefore, when it is adopted by government, it has to bring into action for serving to party-government work.
- 3) Value and enhance the roles of relevant agencies such as: departments, divisions, units of vertical and horizontal line organizational system. Establish and develop statistics units in each sector. Improve and create coordination system and mechanism within the national statistical system (from central to local levels) by focusing on supporting environment and human resources, particularly at the district level.
- 4) Increase development and support understanding regarding to the importance, necessary priority of statistics produced process and application which collected from many sources including domestically and internationally.
- 5) Develop Information Technology system gradually, statistical infrastructure; expand widely the dissemination coverage; and promote the technically correct uses of statistics and easily access.
- 6) Increase and support feasibility studies on how IT system can be employed in statistical production and dissemination to reduce numbers of staff and increase effectiveness.
- 7) Take a leading role in attracting assistance, adequate domestic and international sources of funding to make available sufficient budget to support statistical activities at central and local levels. Take strategy for attracting funding, clear workplan comparable with other activities and bilateral cooperation between funding donor and Lao government.
- 8) Make extensive and special Cooperation with internationally on statistics in terms of methodologies, principle and international standards to integrate regionally according to party and government's direction and Sustainable Development Goals (SDGS).

# **Part II: Strategies for the Sustainable Development of the National Statistical System 2016-2025 and vision towards 2030**

## **1. Vision and Mission**

### **1.1. Vision**

To develop statistics in line with new era of development, the Strategies for the Sustainable Development of the National Statistical System 2016-2025 and vision toward 2030 has defined the vision as following:

- By 2020: Strengthening the physical inputs to the national statistics system that can be integrated into regional, international and global.
- By 2025: Increase production of the official statistics information with high quality in line with statistics science, to ensure provision of data and supply the requirement of the implementation the national social-economic development plan.
- By 2030: Assure official statistics dissemination and exchange with high quality, efficiency, entirely, clarity and timely to provide the users need.

### **1.2. Mission**

The mission of statistics system of Lao PDR is to strengthen national statistics system, can produce statistics, assure international standard quality, high comparable and equally statistics, reflect to the fact and uses for overall areas, assure for every people who live in Laos has accounted into database via the process of data collection survey and administrative record system in each period as following slogan “Every people has to be account for” then “No one left behind!”.

## **2. Goals and Objectives**

### **2.1. Goals**

- 1) To develop the national statistical system to guarantee that all statistical production and dissemination are comparable with international standards to produce quality official statistics, reliable and timeliness.
- 2) To establish and improve an efficient and effective coordination mechanism, enhance cooperation among the national statistics system between horizontal and vertical organizational systems become systematic to avoid duplication that can lead to a waste of time and budget.
- 3) To encourage, support and aid all data producers to produce comprehensive, transparent and timely, to encourage users use highest efficiently data and convenient, fast, timeliness.
- 4) To build and enhance knowledge and capacity of staff and academia in the national statistical system, so that they can become more skillful in statistics to meet statistical development needs in each time.

- 5) To expand statistical cooperation with regional and international. Attract technical and funding assistance.
- 6) To encourage and promote social obligation, providing cooperation, statistical data, financial contribution and contributing knowledge through giving feedback and comments on statistical works.

## 2.2. Objectives

- 1) Continue and disseminate statistics law, evaluation and improve the law to propose government and national assembly in 2017 and actively performance after adopted law and enforce.
- 2) Improve and develop the National Statistical System by improving its organizational structure and establish a comprehensive and systematic centralized system of vertical organizational networks, from central to village levels by 2017. Lao Statistics Bureau is an equivalent ministry under the umbrella of the Ministry of Planning and Investment which will have provincial statistics center, capital city, district levels and village level will have statistical staff. At the same time, improve organizational network system in the horizontal line (ministries, organization, provinces and districts) as defined in statistics law for strengthening and harmonized coordination.
- 3) To ascertain a successful implementation and achieve the strategies for development of the national statistical system, numbers of statistical staff need to be increased to 2,049 by 2,025 (this includes statistical staff in various divisions and units at national statistical system), in which
  - Numbers of staff in Lao Statistics Bureau increase from 149 at present to 200 by 2020 and to 250 by 2025.
  - Numbers of statistical staff in each ministry at least 6-10 per ministry.
  - Numbers of statistical staff in each province at least 6-10 per province.
  - Numbers of statistical staff in each district at least 4-6 per district.
- 4) Improve and develop a horizontal line statistical system (ministries and ministry-equivalent organizations); create information exchange network with the coverage of 60%<sup>1</sup> of all main statistical producers by 2020 and 90% by 2025.
- 5) Increase statistics production comprehensive, high quality and harmonize insocial-economic area and environment, to be able to produce official statistics data in line with defined indicators meet domestic and international demand in each periodically.

### 5.1 National Indicators:

- Produce at least 300 main indicators by 2020 and can integrate whole indicators to evaluate the graduation from Least Developed Country (LDC) and the eighth national social-economic development plan.

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<sup>1</sup> Referred to the implementation of the dissemination team (13 Ministries and Agencies)

- Produce at least 350 main indicators by 2025 and can integrate the Sustainable Development Goals indicators, produce at least 125 indicators.

#### 5.2 Sectoral Indicators:

- Produce at least 550 main indicators by 2020.
- Supply at least 600 main indicators by 2025.

#### 5.3 Provincial and district Indicators:

- Along with the production of national and sector indicators, it is crucially necessary that those indicators be appropriately broken down into provincial and district level. To integrate indicators, Sustainable Development Goals and LDCs that required for design, data collection and sample design, must take into account assurance of accuracy of provincial statistics.

- 6) Strive to successfully conduct all planned large-scale and sample surveys which serve as the basis for the production of official statistics, which in turn facilitates Socio-economic development plan formulation, monitoring graduation from Least Developed Country (LDC) progress and Sustainable Development Goals and Poverty assessment in each period as follows:

#### 6.1 From 2016-2020 (review indicator supply)

- Third Population and Housing Census in 2018
- The 3<sup>rd</sup> Agriculture Census in 2019 (every 10 years)
- Sixth Household Consumption and Expenditure Survey in fiscal year 2017/2018
- Annual Household Survey from 2016 to 2020
- Quarterly Enterprise Survey from 2016 to 2020
- Annual Growth Enterprise Survey Specific Economic Areas from 2017-2020
- Second Lao PDR Labor Survey in 2016 (every five years) and this study propose to annual survey depending on the situation.
- Second Lao PDR Social Indicator Survey in 2017
- Birth and Mortality Registration from 2016 to 2020
- Annual Village and Household Registration from 2016 to 2020
- Population Count in 2020 (every five years)
- Annual Village Statistics and Poverty Survey from 2016 to 2020
- Statistics Users Satisfaction Survey in 2018 (every 2 years)
- Annual Enterprise Registration Statistics 2016 to 2020
- Price survey to compare purchasing power (ICP) 2017-2018
- Production inputs survey (Input-Output) 2019
- Survey to collect data for GNI calculation 2017-2020 (Annually)
- Shuttle Trade Survey 2017-2020 (Annually)
- Trade in service survey (SITS Survey) 2017-2020 (Annually)
- International Investment Position Survey (IIP and EDP survey) 2016-2020 (Annually)

- Conduct other surveys that are necessary, including Environment statistics that serve to produce sustainable development indicators, and graduation from the Least Developed Country (LDC), Stability and other appropriation. Additional detail should be obtained from consultation with relevant organizations during the actual implementation of strategy.

## 6.2 From 2021 to 2025

Continue carrying out large-scale surveys that have been conducted during 2021-2025. If it is necessary, time frame as well as content might be adjusted accordingly to the changing demand of the party and government in each period. The main surveys include:

- Fifth Population and Housing Census in 2025 (every ten years)
  - Forth Economic Survey in 2023 (every five years)
  - Seventh Household Consumption and Expenditure Survey in fiscal year 2022/2023 (every five years)
  - Annual Household Surveys from 2021 to 2025
  - Enterprise Surveys and Shop from 2021 to 2025
  - Annual Growth Enterprise Survey specific economic areas from 2021 to 2025
  - Third Lao PDR Labor Survey in 2021
  - Third Lao PDR Social Indicator Survey in 2022
  - Birth and Mortality Registration from 2021 to 2025
  - Annual Village Statistics and Poverty Survey from 2021 to 2025
  - Statistics Users Satisfaction Survey in 2022 (every two years)
  - Price survey to compare purchasing power (ICP) 2021-2022 and 2025
  - Production inputs survey (Input-Output) 2024
  - Survey to collect data for GNI calculation 2021-2025 (Annually)
  - Shuttle Trade Survey 2021-2025 (Annually)
  - Trade in service survey (SITS Survey) 2021-2025 (Annually)
  - International Investment Position Survey (IIP and EDP survey) 2021-2025 (Annually)
  - Conduct other surveys that are necessary, including Environment statistics that serve to produce sustainable development indicators, and graduation from the Least Developed Country (LDC), Stability and other appropriation. Additional detail should be obtained from consultation with relevant organizations during the actual implementation of strategy.
- 7) Implement strategy plan for human resource development, build capacity, and enhance, staff's knowledge through various methods in basic statistics and statistical management throughout the whole national statistical system in 2016-2020 and 2021-2025. Encourage staff to enhance their educational qualification should upgrade to diploma, bachelor's degree and master's degree at least 5 in a year or 50 staff within 10 years. 5 staffs should obtain doctoral degree in 10 years.

- 8) Registration statistics (including household and enterprise) need to be improved and adjusted annually. By the end of the strategy's implementation period, the appropriate registration system should be established officially and will be an official registration system used in Lao PDR.
- 9) Implement strategies for Develop technological infrastructure and communication equipment which are up-to-date, durable, and can link vertical and horizontal organizational networks taking into account the e-government project.
- 10) Organizational implementation strategies for official statistics dissemination to comprehensive dissemination system, to assure data access with various methods, to assure statistics using with highest benefit.

### **3. Strategies for the Development of the National Statistical System, 2016-2025**

The main responsibility of statistical staff is to produce good quality, reliable, and timely statistics to facilitate the planning and decision-making process of policy makers and general national or international users; has to accurate with direction of resolutions of the X Congress of Lao Revolutionary Party, the VIII five year social-economic development plan (2016-2020) and IX (2021-2025), improve and encourage statistics activities under foundation principle as determine in statistics law and UN statistics as following: assure central administration and equally within country; assure statistics scientifically accuracy and independent technical term for producing, dissemination, statistics supply with real needs, objective, transparent, comprehensive and timely; assure indicators equality, formulating methods, table system, measuring unit, classification system, reporting timelines by focus on statistic gender identification; assure dissemination regarding producing method and statistics to make confidence for statistics users; assure equal right to access and use those statistics dissemination and enforce, relation between statistics producer and users; respect and implement as international agreement and Lao partner convention. It is determined five strategies and 15 main work programs<sup>2</sup> as follow:

#### **3.1. Strategies and Work Programs (WP): Improving and Implementing Legislation**

**WP 1:** Improve and disseminate the implementation Statistics Law and regulations, and move toward scientifically sound statistical production.

**WP 2:** Improve the National Statistical System's organizational structure both horizontally and vertically including recruitments and placements of staff in all statistical offices at each level to ensure smooth statistical works in each period.

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<sup>2</sup> For implementing the Strategies for the Sustainable Development of the National Statistical System 2016-2025 and vision toward 2030 will have a separate detail implementation guideline.

**WP 3:** Establish mechanisms and methods to improve statistical literacy and encourage every member in the society to participate, with high responsibility, in statistical activities.

### **3.2. Strategies and Work Programs (WP): Developing Statistical Infrastructure**

**WP 4:** Create and develop infrastructure of Information Communication and Technology (ICT) and supporting environment to facilitate all statistical works efficiently.

**WP 5:** Support the applications and principles, international standards, methodologies and classification systems accordingly to actual conditions of the country to move forward quality product, integrating with regional and internationally.

### **3.3. Strategies and Work Programs (WP): Control, Management and Development of Data**

**WP 6:** Boost the production, development of sector and periodical indicators by sector domestic and international with high quality and creditability.

**WP 7:** Create and Improve mechanism of local statistics to link data for the whole country.

**WP 8:** Create and produce official statistics to supply monitoring data for achieving indicator of graduation from the Least Developed Country (LDC)

**WP 9:** Create and improve the producing official statistics, administrative record and integrate with regional and international levels to supply monitoring data for achieving indicator of Sustainable Development Goals.

**WP 10:** Improve dissemination and exchange of statistics. Enlarge official statistics database, strengthen data protection, and increase varieties of formats to make it easy for users to understand and use them statistically sciences correctly.

### **3.4. Strategies and Work Programs (WP): Ensuring Statistical Coordination System and Networks Integration.**

**WP 11:** Create linkage network system through centralize official statistics data with international standard, ensuring database security systems to protect and preserve all statistical data in the networks to avoid loss of data and their confidentiality.

**WP 12:** Increase the cooperate regionally and internationally to strengthen statistical management and expertise, to share experiences, technical and integrate international standards.

**WP 13:** Enhance roles and boost an important of the coordination internal and external to avoiding duplication, waste of budget and time.

### **3.5. Strategies, Work Program (WP): Mobilize and Recourses Management to support implementation of statistics activities into high sufficiency and efficiency.**

**WP 14:** Upgrade knowledge, competences and skills of statisticians to enable them to move forward to becoming experts with experiences and skills comparable to international standards.

**WP 15:** Encourage and promote resources mobilization into statistical production to secure a certain level of budget and able to implement statistical activities in national statistics system.

## **4. Work Programs and Main Activities for the Sustainable Development of the National Statistical System 2016-2025**

**WP 1:** Improve and disseminate Statistics Law and regulation under law to move toward scientifically sound statistical production.

### **Activities:**

- Improve Statistics Law and its implementation decrees and regulation under law.
- Create policy to giving service strengthening, manage statistics activities effectively.
- Improve coordination mechanism system and coordinate with National Statistics organization for statistics activities.
- Organize and promote the dissemination of Statistics Law and its Implementation Decrees to ensure comprehensive and effective implementation.
- Establish National Statistical Advisory Committees to increase efficiency of the coordination among stakeholders in carrying out activities, namely awareness raising, priority allocating, fund seeking, and providing technical assistance in statistical methodologies, classification systems, and other statistical issues.

**WP 2:** Improve the National Statistical System's organizational structure both horizontally and vertically line including recruitments and placements of staff in all statistical offices at each level to ensure smooth statistical works in each period.

### **Activities:**

- Implement assessment/evaluation system emphasizing roles, responsibilities, and competencies of the National Statistical System at local as well as central levels particularly the administrative records compiled from village level reports in each period.
- Design a comprehensive information system and develop database system of staff or specific surveys that are suitable to relevant Ministries.
- Harmonize all information systems among Ministries, ministry-equivalent organizations, Vientiane Capital and provinces through necessary revisions of roles and responsibilities, to serve human resource administration activities in each period effectively.

**WP 3:** Establish mechanisms and methods to encourage all sectors and every member in the society contribute to statistics activities with high responsibility.

**Activities:**

- Organize and promote the dissemination of the Strategy for the Sustainable Development of the National Statistical System 2016-2025 and Vision by 2030, including provision the comprehensive and efficiently implementing guideline to all sector within the national statistics system.
- Create and raise awareness of the importance of statistics through advertisements and dissemination of works related to National Statistical System Development via various methods like meeting, social media, guidebook and others to ensure the active contribution from every member in the society.
- Create an efficient coordination system which allows statistics producers, users and relevant stakeholders to cooperate, exchange information, connect, and network.
- Establish a mechanism that allows statistics producers and users to meet through participating in meetings and seminars and closely and regularly working together at the technical level. Organize annual statistics meetings and seminars for National Statistical System managers at all management levels.
- Promote statistical thinking and perception amongst government organizations through investing in trainings in the areas of statistical data analysis and documentation including metadata at the central level to allow users to evaluate quality and reliability of statistics.

**WP 4:** Create and develop infrastructure of Information Communication and Technology (ICT) and supporting environment to facilitate all statistical works efficiently.

**Activities:**

- Studies and improve software application for collection, processing, research, dissemination, database preserve and security of network system by using related software.
- Repaired, maintenance IT equipment, upgrade and exchanging equipment of
- Implement, installation, equipment supplies and network system development (LAN, WAN, Internet, Web Server, Mail Server) in Lao Statistics Bureau, regional statistics center to connect with ministries' statistics bureaus.
- Establish statistics connection in comparable with government network to facilitate and create conditions for connecting data collection at village level.
- Research and develop equipment in reporting and dissemination in overall level, to be systematic, modern and equally implementation.
- Develop, improve and renovate step by step the office building, work place and official statistics data center in all national statistics system.

**WP5:** Support the applications and principles, international standards, methodologies and classification systems accordingly to actual conditions of the country to move forward quality product, integrating with regional and internationally.

**Activities:**

- Study definition, principle and difference regulation related to the official statistics quality management with the statistics production process in the national statistics system.
- Create statistics quality standard to use for producing official statistics inspection and management.
- Boost official statistics production to meet demand not only nationally but also internationally and ensure comparable with international.
- Develop, improve and promote using statistics classification which determined in statistics law as following as international Standard Industrial Classification of All Economic Activities (ISIC), Harmonized Commodity Description and Coding System (HS); Standard International Trade Classification (SITC); Central Product Classification “CPC”); Classification of the Functions of Government “COFOG”; Government Finance Statistics “GFS”; Classification of the purposes of non-profit institutions Serving Household “COPNI”; Classification of Individual Consumption by Purpose "COICOP"; Statistical Classification of Products by Activity (CPA); Classification of The Outlays of Producers According to Purpose (COPP); International Standard Classification of Occupation (ISCO); Classification by Broad Economic Categories (BEC); International Classification of Status in Employment (ICSE); International Classification of Disease “ICD” and other classifications which Lao Statistics Bureau establish when it is necessary.
- Monitoring, inspect and quality administration of official statistics producing process according scientific rule including apply definition, guideline and Classification coding in line with in international standard, harmonization within nation, region and international.
- Monitoring and inspect the implementation of the law on Statistics, the legislation, strategy plans, programs and adopted projects and applied the statistics science rule over the National Statistics system;

**WP6:** Boost the production, development of sector and periodical indicators by sector domestic and international with high quality and creditability.

To serve as the directions for and to increase effectiveness in performing activities of the National Statistical System, the Lao Statistics Bureau in collaboration with line ministries, organizations equivalents from central to local agencies defined different types data, sources of data, collection method such as: conducting survey or can be use multisource of data (Big Data) to produce data, including divided the responsible among producers and study the key statistics’ indicators such as economic statistics, social statistics, environment statistics and stability statistics which are categorized into national, sector and provincial levels (more detail is found in Appendix II).

In the Section 6.1 to 6.23 is introduction to work programs and necessary activities in statistical production and services. Due to the 6<sup>th</sup> Work programs are related to statistical activities; therefore, it includes the largest number of activities among all 14 work programs. However, activities defined below are still broad and only serve as general guidelines based on some ministry strategies at present. More specific activities, which clearly specify detailed work programs and specific projects will be determined by consultation and discussion with relevant ministries and sectors.

### **6.1 Improve and Strengthen Information Collection System**

- Improve data collection systems and methods by conducting feasibility studies on data collection through administrative records and surveys (large-scale and sample surveys) which aims to supply needed information to successfully produce indicators that have been determined (national, ministry and provincial levels) in each period.
- Improve and create an information system that is the most cost-saving and effective. Unify the reporting system by depending on village report.
- Improve information systems of other ministries with the emphasis on administrative records, and data collection and compilation tools.
- Research and define the method, procedure for quality control to ensure accuracy, comprehensive, clarity and timeliness of the data collection system.
- Besides collecting data through administrative records, suitable surveys should be studied and designed in order to achieve data collection goals specified in this document; and other surveys or case studies should be conducted if necessary.

Necessary activities include:

- Perform all survey activities which are specified in Objective 6 (6.1 and 6.2) in each period.
- Evaluate relevant quarterly and annual surveys and improve sample design to ensure technical consistency and assure that results can be used in National Accounts and register statistics calculation.
- Studies and improve questionnaires and annual Household Survey method, enterprise (quarterly and annual) to provision comparable and assure data collection following improving needs for National Accounts calculation.
- Formulate quarterly, annual, and five-year sample design strategy, including increasing samples in Annual Household Survey and include sections on education, literacy, security laboring and other variables related social and demography which are necessary to be monitored in 4-6 years' period.
- Determine appropriate survey designs for annual household survey and quarterly and annual enterprise surveys to guarantee the provision of necessary data supporting modified national accounts calculation.
- Studies determined method, quality controlling step to assure accuracy, comprehensive, transparent and timely of data collection systems.

- Improve quarterly and annual enterprise surveys. Improve and Create enterprise registration system via collaborating and working with line ministries to prepare the Economic Survey in (2018 and 2023).
- Evaluate environment, LDCs and SDGs indicators can compile from surveys which determined in strategy. In addition, studies technical methods and others survey design is not compiled, to assure reporting to annual social-economic plan evaluation and five years, report for sustainable development and government evaluation for graduating from the Least Developed Country.
- Detail of each survey, procedure and methods should be well documented including any changes made (if there is any) ranking from sample to questionnaire, content, definition, and methodologies.
- Implement research-analysis inter link with the information collection rather than only made researching.
- Increasing of Applying GIS system into data production.

## **6.2 Agricultural Statistics**

- Produce statistics to support calculations of the specified indicators which will be included in statistical datasets at national, provincial, sector and local levels in each period. At the same time, sector indicators should be developed.
- Conduct agricultural sample surveys that are necessary and can facilitate policy-making, development planning, agricultural sector researching. Some examples of those surveys are: rice and main crops survey, livestock and poultry survey, and forestry area and agricultural land survey.
- Implement quarterly and annual survey regarding price statistics of agriculture producer to be able evaluate the producing value into national account.
- Establish a data transferring system from local to central levels to ensure that the transfer is done in a quick, timely, complete, accurate and statistically verifiable manner.
- Build a database and create data documentation relying E-GDDS for general dissemination.
- Estimate crop, animal and forestry products including calculation of value added of the agricultural sector to meet the needs of policy-makers, planners as well as agricultural researchers.
- Enhance knowledge and build capacity of staff at ministry, division and district levels particularly in data collection, data processing and data management.
- Improve coordination and cooperation among government organizations, from central to local levels, who are responsible in statistical production.
- Allocate sources of government funds and support (financial and technical support) for surveys specifically for agricultural census conducted every 10 years.

## **6.3 Industrial Statistics (Mining, industrial processing, handicraft and energy)**

- Produce statistics to support calculations of the specified indicators which will be included in statistical datasets at national, provincial, sector and local levels in

each period. Strive to report quarterly statistics usually. At the same time, sector indicators should be developed.

- Improve the monitoring system and streamline the industrial statistical information system, efficiently and effectively; quality assurance, comprehensive, clarity based on principle and international practice, including promote apply classification into systemically.
- Improve systematic registration statistics and conduct quarterly and annual enterprise and economic surveys every five years.
- Systematize data collection system to be harmonizing methodologies, techniques, definitions including roles of statistics production.
- Systematize data collection system, compile and produce industrial statistics in special and specified economic areas to serve for evaluated contribution of such areas to economic growth.
- Build a database and create data documentation relying e-GDDS for general dissemination.
- Establish a data transferring system from local to central levels to ensure that the transfer is done in a quick, timely, complete, accurate and statistically verifiable manner.
- Enhance knowledge and build capacity of staff at ministry, division and district levels particularly in data collection, data processing and data management.
- Improve coordination and cooperation among government organizations, from central to local levels, who are responsible in statistical production.
- Play the main role in coordinating; allocate and attract sources of government funds to implement statistical production, that is, economic and enterprise surveys in each period.

#### **6.4 Domestic Trade Statistics**

- Produce statistics to support calculations of the specified indicators to provision the report at the national level, sector and local levels in each period. Strive to report quarterly statistics, in parallel with the sector indicators development.
- Implement specific or annual survey if necessary to serve for producing sectoral indicators.
- Improve data supply timely and implement specific research and disseminate official statistics.
- Studies and develop data collection system, report effectively and promote using classification broadly.
- Build a database and create data documentation relying e-GDDS for general dissemination.
- Play the main role in coordinating to allocate funding sources to implement statistical production by responsibility frame in each period.

#### **6.5 Communication, transportation, postal, telecommunication, construction and other statistics**

- Produce statistics to support calculations of the specified indicators to provision the report at the national level, sector and local levels in each period. Strive to report quarterly statistics, in parallel with the sector indicators development.
- Implement specific or annual survey if necessary to serve for producing sectoral indicators.
- Improve data supply timely and implement specific research and disseminate official statistics.
- Studies and develop data collection system, report effectively and promote using classification broadly.
- Produce statistics of vehicle registrations.
- Build a database and create data documentation relying e-GDDS for general dissemination.
- Enhance knowledge and build capacity of staff at ministry, division and district levels particularly in data collection, data processing and data management.
- Play the main role in coordinating to allocate funding sources to implement statistical production by responsibility frame in each period.

## **6.6 Tourism Statistics**

- Produce statistics to support calculations of the specified indicators to provision the report at the national level, sector and local levels in each period. Strive to report quarterly statistics, in parallel with the sector indicators development.
- Develop the data collection (survey and administration report) and regularly analyze tourism statistics of Lao PDR and based on the principle and international standard, including apply the classification in order to comparable.
- Conduct specific survey or by annually if necessary to collect tourist expenditure in Lao and travel to abroad by categorize into transportation fee, accommodation, food and drink, entertainment, souvenir, gift, local products, border or visa fee (depending on country), donation or other fee to ensure the economic projection and social benefit including the analysis and produce indicator for this sector.
- Develop tourism information center of Lao PDR in the Vientiane Capital.
- Encourage the use of tourism-related data from Household Consumption and Expenditure Survey and Enterprise Survey to estimate supply of (domestic tourism) and demand for (international tourism).
- Compile the tourism satellite account and link with the Great Mekong Sub-region tourism network, ASEAN.
- Build a database and create data documentation relying e-GDDS for general dissemination.
- Studies software system and strengthen for using tourism statistics system of World Tourism Organization to tourism statistics collection.
- Enhance knowledge and build capacity of staff at ministry, division and district levels particularly in data collection, data processing and data management.
- Play the main role in coordinating and identifying sources of funds to support tourism statistics production, that is, tourist survey.

## **6.7 Investment Statistics**

- Produce statistics to support calculations of the specified indicators to provision the report at the national level, sector and local levels in each period. Strive to report quarterly statistics, in parallel with the sector indicators development.
- Set up committee or unit to work on the investment statistics through the coordination mechanism and technical staff among Lao Statistics Bureau, BOL, Department of Investment Promotion and other related investment statistics such as Ministry of Industry and Commerce, Special and Specific Economic Zone Office to assure the data quality and efficiently report that can be monitored including data development.
- Research and improve method of data collection to monitor and evaluate the investment by using administrative report and other survey and promote of widely using of the classification.
- Improve statistics of foreign investment, by redesigning and tools (data collection form, manual and implementation method) collaborating with Lao Statistics Bureau in order to obtain data on foreign direct investment, international investment position, external debts for more consistent national account estimation (SNA) including the BOP in projection and monitor economic situation.
- Improve and establish coordination mechanism and tools among agencies involved in investment statistics to make available these data domestically, regionally and internationally.
- Improve and define relevant indicators considering Investment law, consistency and demand for foreign investment and actual investment statistics.
- Implement international investment survey every three years to monitor and evaluate domestic investment activity, and to serve as reference for other indicators production.
- Build a database and create data documentation relying e-GDDS for general dissemination.
- Enhance knowledge and build capacity of staff at ministry, division and district levels particularly in data collection, data processing and data management.

### **6.8 International Technical Assistance Statistics**

- Produce statistics to support calculations of the specified indicators to provision the report at the national level, sector and local levels in each period. Strive to report quarterly statistics, in parallel with the sector indicators development.
- Research and develop data collection system and data reporting among sectors from center to local in efficiently and promote the using of the classification.
- Research and improve method of data collection to monitor and evaluate the investment by using administrative report and other survey and promote of widely using of the classification.
- Produce and publish information on technical assistance which covers all assistance projects provided by donors. Obtain and compile data on actual implementation of assistance projects by sector and by terms and condition of assistance and on ration of assistance contributed to Trade-related capacity.

- Build a database and create data documentation relying e-GDDS for general dissemination.
- Enhance knowledge and build capacity of staff at ministry, division and district levels particularly in data collection, data processing and data management.

### **6.9 International Trade Statistics**

- Produce statistics to support calculations of the specified indicators to provision the report at the national level, sector and local levels in each period. Strive to report quarterly statistics, in parallel with the sector indicators development.
- Set up committee and establish trade statistics unit (Products and Services) among country through coordination mechanism and technical unit between Lao Statistics Bureau, Bank of Lao PDR, Ministry of Industry and Trade, Ministry of Finance to assure harmonized data reporting of 4 related sectors and together develop data system.
- Studies and improve data collection system, compile and report data for import and export and services. To be able make a report and disseminate an international trade statistics, assure reporting to ASEAN and serve for statistics of the national account production timely.
- Apply principle, guideline and international classification code and regional guideline like ASEAN Harmonized Tariff Nomenclature-8 digit classification, Common system (Harmonized System: HS) and other related to improve production system and data reporting.
- Implement annual survey or specific survey if necessary to serve for producing those sectoral indicators.
- Build a database and create data documentation relying e-GDDS for general dissemination.
- Enhance knowledge and build capacity of staff at ministry, division and district levels particularly in data collection, data processing and data management.

### **6.10 Balance of Payment Statistics**

- Produce statistics to support calculations of the specified indicators to provision the report at the national level, sector and local levels in each period. Strive to report quarterly statistics, in parallel with the sector indicators development.
- Develop collection system, compile balance of payment and detail account, assure technical and quality indicators to supply for national statistic production account and measure gross national income.
- In addition, assure for national statistic production account, internal use, regional, and internationally timely. Implement specific research and official statistics dissemination.
- Implement survey for collect income and service and others, that is necessary to serve as improve the quality of balance of payment account.
- Start implementing the IMF's Balance of Payments Manual, 6th Edition.
- Build a database and create data documentation relying e-GDDS for general dissemination.

- Enhance knowledge and build capacity of staff at ministry, division and district levels particularly in data collection, data processing and data management.

### **6.11 Fiscal and Monetary Statistics**

- Produce statistics to support calculations of the specified indicators to provision the report at the national level, sector and local levels in each period. Strive to report quarterly statistics, in parallel with the sector indicators development.
- Streamline data collection and compilation of MOF and BOL to enable the production of quarterly data and ensure timely and systematic particularly classification use for collection and compilation to supply of data to support the estimation of GDP and other macroeconomic indicators.
- Improve and conduct feasibility study on the adoption of international classification system in dissemination of fiscal data by coordinating with concerned agencies.
- Provide equipment, computers, training and technical assistance in various forms to increase effectiveness and reduce time lag in data compilation and report.
- Improve and develop collection system, report on financial data and Systematize fiscal and monetary data collection to make available monthly, quarterly and annual data to meet national accounts and international needs.
- Build a database and create data documentation relying e-GDDS for general dissemination.
- Enhance knowledge and build capacity of staff at ministry, division and district levels particularly in data collection, data processing and data management.

### **6.12 National Accounts Statistics**

- Create detail plan and improve calculation of national account accordingly to international standard and national account system 2008 gradually.
- Produce statistics to support computations of the specified indicators which will be included in statistical datasets at national, provincial, sector and local levels in each period. At the same time, sector indicators should be developed.
- Make every effort to produce comprehensive national accounts statistics to meet national, regional and international demand.
- Produce indicators belonging national account system particularly gross domestic product to supply production and systematic expenditure in 6 months and annually as determined period.
- Make annual economic growth report as timeline, to explain result of expected gross domestic product, affected factors and information resource to users understanding and broadly use.
- Studies and calculate annual national gross domestic product to present the first result in 2017. Studies drawbacks and solution methods to improve indicators estimation become quality and rely on international standard.
- Studies, calculate and dissemination quarterly estimation of national account calculation in 2018.

- Studies improving method of data quality (from both administrative records as well as surveys) with overall objectives of improving quality of GDP estimation using constant and current prices, and promoting effective use of data.
- Improve quality of gross domestic product estimation and in every five years must improve based year (to going with economic change and development).
- Improve constant price estimates to make GDP calculation more accurate by adopting the International Standard Industrial Classifications Revision 4.0. (ISIC.Rev.4 or LSIC).
- Research, studies and improve gross domestic product estimation at provincial and regional levels to assure quality and measuring standard at provincial level; studies and present other indicators which reflect to economic growth assessment at district, provincial and regional level. To assure consistency with national estimation.
- Studies indicators belonging national account system particularly producing Supply and Use Table (SUT), Input-Output table to determined system and timelines.
- Create National Accounts Manual of Lao PDR to serve for domestic product and to be a reference of capacity building of staffs.
- Coordinate with concerned agencies to address statistical issues (particularly the delay of data supply) in order to calculate GDP on a timely basis.
- Studies, pilot testing and present producing factor survey and production to improve data for gross domestic product estimation and Input-Output Table.
- Build a database and create data documentation relying e-GDDS for general dissemination.
- Enhance knowledge and build capacity of staff at ministry, division and district levels particularly in data collection, data processing and data management to support national account activities.

### **6.13 Price Statistics**

- Produce statistics to make available statistical indicators at provincial, national and international levels in each period.
- Improve the consumer price index by revising basket of consumption of goods and services using the results from the fifth household consumption and expenditure survey in every 5 years (2017/2018 and 2022/2023).
- Expand the coverage of price index calculation from 12 provinces to all provinces by 2016. Increase capacity on reporting user statistics to be able to report weekly.
- Develop and calculate price index for main products, by coordinating with concerned agencies, by every year.
- Expand the coverage of construction material price index (which is only calculated for Vientiane municipal) to include main provinces (5-8 provinces) by 2017.
- Studies and expand Assets Index Price calculation beginning from Vientiane capital in 2018 and move to report the whole area of county in 2020.

- Studies and expand Export-Import Index Price calculation and other indexes, which are necessary relying international standard.
- Build a database and create data documentation relying e-GDDS for general dissemination.
- Enhance knowledge and build capacity of staff at ministry, division and district levels particularly in data collection, data processing and data management.

#### **6.14 Population Statistics**

- Formulate plans for population and housing census every ten years and other sample surveys including population count.
- Produce statistics to support calculations of the specified indicators to provision the report at the national level, sector and local levels in each period. Strive to report quarterly statistics, in parallel with the sector indicators development.
- Produce annual population estimation by gender, by age and by province by collaboration with various technical agencies to obtain official estimation.
- In-depth studies specified issue on population by using data from population and housing census.
- Improve population statistics administrative records with the emphasis on village-level statistics and the use of map-based methods.
- Build a database and create data documentation relying e-GDDS for general dissemination.
- Enhance knowledge and build capacity of staff at ministry, division and district levels particularly in data collection, data processing and data management.

#### **6.15 Poverty and Gender Statistics**

- Produce statistics to support calculations of the specified indicators to provision the report at the national level, sector and local levels in each period. Strive to report quarterly statistics, in parallel with the sector indicators development.
- Actively participate in providing poverty statistics, analysis and preparing poverty and MDGs progress reports.
- Build a database and create data documentation relying e-GDDS for general dissemination.
- Encourage understanding on producing statistics by gender at national and provincial levels for as many indicators as possible particularly designing survey, data collection and analysis and performing other relevant activities.
- Address issues of statistical gap and lack of statistics by gender by cooperating with National Committee for Advancement of Women and Lao Women Union.

#### **6.16 Education Statistics**

- Develop legislation and tools including database and coding system of educational and sport sectors.
- Produce statistics to support calculations of the specified indicators to provision the report at the national level, sector and local levels in each period. Strive to report quarterly statistics, in parallel with the sector indicators development.

- Improve data collection system of education to be harmonizing evidence, definition, statistic production to be accuracy and comprehensive data.
- Studies demand for data collection of disability people and informal education through administrative records and education-sport surveys particularly survey on literacy.
- Make school map and use it to set plans including supply and map dissemination with various methods. Create database and documentation for general dissemination.
- Build a database and create data documentation relying e-GDDS for general dissemination.
- Improve dissemination of education statistics through development of the Ministry of Education and Sport, Statistics Center websites of Education and Sport and other media.
- Create condition and develop technology to use in IT and statistics work to modernization and use for other activities development in Education and Sport sectors ready to integrate with national systems level.
- Enhance knowledge and build capacity of staff at ministry, division and district, school and other institutions levels particularly in data collection, data analysis and management by statistics center in the ministry and province as a coordination focal point.

#### **6.17 Public Health Statistics**

- Produce statistics to support calculations of the specified indicators to provision the report at the national level, sector and local levels in each period. Strive to report quarterly statistics, in parallel with the sector indicators development.
- Improve data collection systems within the Ministry of Public Health through reviewing mandate, roles and responsibilities before providing appropriate training.
- Support the expansion of Lao PDR Social Index Survey every five years.
- Improve coordination system and report public health statistics activity from central to local levels.
- Build a database and create data documentation relying e-GDDS for general dissemination.
- Play the main role in coordinating and attracting sources of funds to support statistical production, that is, survey in each period.
- Enhance knowledge and build capacity of staff at ministry, division and district levels particularly in data collection, data processing and data management.

#### **6.18 Labor and Welfare Statistics**

- Produce statistics to support calculations of the specified indicators to provision the report at the national level, sector and local levels in each period. Strive to report quarterly statistics, in parallel with the sector indicators development.
- Implement census, national sampling survey, and specific survey by determining labor indicators, assurance system, social assurance and welfare to met the initiated survey needs as population and housing census and economic and

enterprise surveys, household consumption and expenditure survey, labor survey and other surveys.

- Household consumption and expenditure survey should contain a dedicated section on labor to provide information on labor force characteristics.
- Conduct labor survey (labor market survey) to provide information on labor supply-demand as well as human resource and labor force development to support jobs creation and industrialization accordingly to the market needs. At the same time, to supply information for assurance system, social assurance and welfare.
- Increase analysis of labor market, assurance system, social assurance and welfare based on data from census and other surveys.
- Build a database and create data documentation relying e-GDDS for general dissemination.
- Play the main role in coordinating and attracting sources of funds to support statistical production, that is, labor survey in each period.
- Enhance knowledge and build capacity of staff at ministry, division and district levels particularly in data collection, data processing and data management.

#### **6.19 Culture and Sport Statistics**

- Produce statistics to support calculations of the specified indicators to provision the report at the national level, sector and local levels in each period. Strive to report quarterly statistics, in parallel with the sector indicators development.
- Survey, collect data and register material and immaterial heritage culture lists at local levels.
- Start data collection survey and design cultural park in all provinces. Create database and documentation for general dissemination. Support research and analysis based on surveys on culture and sport.
- Improve, collect and compile information and culture statistics to be consistency and comprehensive, additionally create as central and local database.
- Build a database and create data documentation relying e-GDDS for general dissemination.
- Enhance knowledge and build capacity of staff at ministry, division and district levels particularly in data collection, data processing and data management.

#### **6.20 Natural Resources and Environment Statistics**

- Studies how to produce statistics to support computations of the specified indicators which will be included in statistical datasets at national, provincial, sector and local levels in each period. At the same time, sector indicators should be developed comparable with sustainable development and social-economic development plan.
- Improve and determine environment indicators considering environmental strategy and consistency with international standard particularly the SDGs indicators.
- Establish statistics/IT center in Ministry of Natural Resource and Environment to be strength and central of data compilation accordingly to roles of statistics sectors.

- Collect basic data for management decreasing gas form deforestation.
- Collect data for protection, reforestation and national conservative forest.
- Collect, compile, study, develop and promote using information of natural resource and environment.
- Manage natural resource and environment database.
- Establish and manage quality monitoring network of natural resource and environment by information network within domestically and internationally.
- Studies the survey to collect environment statistics that is necessary in each period.
- Build a database and create data documentation relying e-GDDS for general dissemination.
- Enhance knowledge and build capacity of staff at ministry, division and district levels particularly in data collection, data processing and data management.

### **6.21 Land Use Statistics**

- Produce statistics to support calculations of the specified indicators to provision the report at the national level, sector and local levels in each period. Strive to report quarterly statistics, in parallel with the sector indicators development.
- Improve and determine relevant indices based on Land Law and taking into consideration demand for statistics on land use, land rights and areas of land by type and other related.
- Improve and develop systematize data collection; compile data on land areas by type as well as land market development to create map-based statistics which allows exchange of information among statistics producers and users.
- Improve mapping information system for land title deed, rental and concessional system, land title deed system to digital system and compile districts with land price assessment.
- Build a database and create data documentation relying e-GDDS for general dissemination.
- Enhance knowledge and build capacity of staff at ministry, division and district levels particularly in data collection, data processing and data management.

### **6.22 Stability Statistics**

- Produce statistics to support calculations of the specified indicators to provision the report at the national level, sector and local levels in each period. Strive to report quarterly statistics, in parallel with the sector indicators development.
- Improve and determine relevant indicators as social-economics stability, environment, national defense, peace, well-being, living risk, social assurance and welfare and food assurance trad based determined plan and targets implantation.
- Determine indicators to census, sample and specific surveys that is necessary to supply indicator for their need.
- Improve collection system and data reporting (especially on the administrative reporting) by determination of equality in term of content and reporting method between statistics in line with horizontal linkage and sectors with efficiency and timely.

- Build a database and create data documentation relying e-GDDS for general dissemination.
- Enhance knowledge and build capacity of staff at ministry, division and district levels particularly in data collection, data processing and data management.

### **6.23 Other Statistics (Accident, Disability, Court, Criminal and etc.)**

- Produce statistics to support calculations of the specified indicators to provision the report at the national level, sector and local levels in each period. Strive to report quarterly statistics, in parallel with the sector indicators development.
- Improve and determine relevant indicators by implementing the defined plans and objectives by each agency.
- Improve the reporting system among sectors in order to make a comprehensive report and timely.
- Build a database and create data documentation relying e-GDDS for general dissemination.
- Enhance knowledge and build capacity of staff at ministry, division and district levels particularly in data collection, data processing and data management.

**WP 7:** Create and Improve mechanism of local statistics to link data for the whole country.

#### **Activities:**

- Have to produce data categorized by type of statistics and number of the indicators has defined in appendix I and II.
- Produce statistics from administrative report to supply and monitor indicators of graduation from least and sustainable development objects (local and national indicators to use for local social-economic development plans).
- Collect village statistics level by making 51 districts model within whole area of country in 2020.
- Estimate and re-assessment on the implementation in the local level, especially on the administration report such as: village statistics and provincial social-economic report.
- Improve statistics administrative record at village level by using model for implement statistics village level to be comprehensive and expand the whole area of country in 2020.
- Studies and conduct test on establishing regional statistics information center to be centralized and connect with central and local statistics centers.
- Strengthen at provincial level to be able to analyze and writing a report by using administrative report timeliness and able to contribute to the provincial and district social-economic development plan.
- Strengthen at district level to have statistics magazine, can supply data in district database which connect with province and central for 40% in 2025.
- Strengthen at village level to be able to collect data and report to district in each period and each village must have statistics manual to be database.

**WP 8:** Create and produce official statistics to supply monitoring data for achieving indicator of graduation from the Least Developed Country (LDC).

**Activities:**

- Studies techniques for statistics production to supply indicators for national report in monitoring, measuring, assessment of graduation from the Least Developed Country (LDC) in 2020.
- Collect data including survey and administrative record to user for indicator's production of graduation from the Least Developed Country (LDC) based on national social-economic development plan and determined indicators of United Nation organization.
- Build a database and create data documentation for dissemination on graduation from the Least Developed Country (LDC) timely.
- Process and research update issue and can monitor graduation from the Least Developed Country (LDC) in 2020.
- Enhance knowledge and build capacity of staff at ministry and local levels particularly in data collection, data processing and data management.
- Coordinate, build capacity and organize advisory meeting for calculating Economic Vulnerability Index
- Mobilize funding sources from government and development partners (financial and technical support) to assist academic and techniques for indicators production and international standard assurance.

**WP 9:** Create and improve the producing official statistics, administrative record and integrate with regional and international levels to supply monitoring data for achieving indicator of Sustainable Development Goals.

**Activities:**

- Establish unit and develop working mechanism to produce indicators of Sustainable Development Goals with relevant sectors.
- Produce statistics to support calculations of the specified indicators to provision the report at the national level, sector and local levels in each period. Strive to report quarterly statistics, in parallel with the sector indicators development.
- Review needs and supply data statistics in present system to determine data gaps including data source determination or new survey that is necessary by coordination and participation with national statistics structure and users.
- Implement census, national sample survey and specific survey that is appropriate, to use for producing process of comprehensive sustainable development indicator.
- Collect data form administrative record effectively and supply for monitoring Sustainable Development Goals timely.
- Studies and propose for existing data source review, to monitor production of Sustainable Development Goals Indicator.
- Build a database and create data documentation for dissemination on Sustainable Development Goals timely.
- Process and research update issue and can monitor Sustainable Development Goals which make report in each period.

- Develop plan for enhancing knowledge and build capacity of staff at central and local levels particularly in data collection, data processing and data management.
- Research, estimate funding needs and mobilize funding sources from government and development partners (financial and technical support) to assist academic and techniques for indicators production and international standard assurance.

**WP 10:** Improve dissemination and exchange of statistics. Enlarge official statistics database, strengthen data protection, and increase varieties of formats to make it easy for users to understand and use them based on statistical science.

**Activities:**

Lao Statistics Bureau has played a core role in dissemination, supporting and cooperating with other statistics producers within statistical system according to official statistics dissemination standards. The main activities undertaken are:

- Create and enhance strategies for official statistics dissemination with the data users need and accessibility within domestically and internationally such as define policy on official statistics dissemination and inform users on advance release calendar and survey by develop list respective items.
- Create advertising material and media to assure all sectors encouragement to participate and support production process of official statistics in each period.
- Improve and expand modes of dissemination to increase variety and timeliness specifically using website to disseminate various surveys' results. Lao Statistics Bureau will determine schedules for statistical releases, publications and the release through the website, mapping system, Info Graphic for dissemination, Decide Info, LNADA to disseminate economic, social and environment indicators.
- Operate official statistics dissemination from the surveys and administrative record system in the form of medias
- Improve database building system and create data documentation relying e-GDDS for general dissemination.
- Create database dissemination integrating with international by Statistical Data and Metadata Exchange (SDMX).
- Disseminate and encourage statistical literacy guide for users.
- Develop annual magazines and other statistical bulletins.
- Improve and develop libraries system to be modernization.
- Build and improve statistics information metadata to enhance the sue of statistical.
- Storage management, collecting, compiling race statistics document, statistical history and equipment of statistical history, supplies publications of knowledge outlets.
- Conduct the official statistics' User Satisfaction Survey and quality to assure for measuring satisfaction and opinion on timeliness to supply information and data accuracy.

**WP 11:** Create linkage network system through centralize official statistics data with international standard, ensuring database security systems to protect and preserve all statistical data in the networks to avoid loss of data and their confidentiality

**Activities:**

- Establish data center in LSB to protect and data exchange among vertical and horizontal.
- Create and develop database security systems to protect and preserve all statistical data in the networks to avoid loss of data and their confidentiality.
- Create, update and develop survey database, centralize database reporting in line with international standard in the national statistics system.
- Research and develop programme for data collection and training in local frequently.
- Create, update and develop data warehouse for dissemination from central to local.
- Create, develop and manage village data collection system to consolidation at district, province and central.
- Consultation on statistic data exchange, create tools to facilitate data collection, processing, dissemination and network systems in each period from central to local.
- Manage and develop stock systems for IT equipment and all survey questionnaire.

**WP 12:**

Enhance the cooperation in regional and international to strengthen statistical management and specific statistics expertise, to share experiences, technical and integrate international standards.

**Activities:**

- Establish cooperation mechanism and tighten technical cooperation with ASEAN, Asia-Pacific countries as well as the rest of the world which is considered essential for improving statistical activities and international integration.
- Cooperate with ASEAN member countries and attract assistance in capacity building and enhancing.
- Establish and tighten cooperation with countries and International Organizations and domestic and international development partners to improve equipment production for statistical data collection, producing reliable statistics to modernize and methodologies, reporting and dissemination on official statistical of National Statistics System.
- Establish cooperative networks at regional and international levels particularly with ASEAN+3 member countries. Participate in statistical meetings held in ASEAN and Asia-Pacific regions to exchange experiences on management of statistical activities effectively in evolution and modernize.

**WP 13:**

Enhance roles and boost an important of the coordination internal and external to avoiding duplication, waste of budget and time.

**Activities:**

- Refer to Decree for statistics law guideline to harmonize, determine roles and feasible schedules of official statistical releases, taking into consideration government needs and actual conditions of statistical activities.

- Evaluate existing coordination mechanisms of national statistics organizations in the region, particularly in ASEAN countries.
- Establish statistical quality assurance system, particularly in the case that statistics users need to conduct official statistical activities. For that, survey, design must be examined by Lao Statistics Bureau for technical aspects such as: definition, classification, questionnaire design, sample design, survey plan to ensure great utilization of resources and avoid inaccuracy of data.
- Established responsible committee and technical unit in the areas such as National Accounts, International Trade, Fiscal, Monetary, Balance of Payment Accounts, other surveys, and another technical team. Those technical teams must be highly responsible and working on a regular basis to ensure appropriate statistical methods are employed. In addition, poverty analysis and writing Sustainable Development Goals reports can become one of various mechanisms to coordinate all organizations.
- Strengthen and improve coordination with international organizations in an area of statistics through cooperating with Department of International Cooperation under Ministry of Planning and Investment; establish technical teams supporting the cooperation between the government and international organizations in preparing and provide development indicators particularly the Sustainable Development Goals (SDGs) Indicators and important indicators for graduation from the Least Developed Country (LDC) in 2020, (Gross National Income(GNI), Human Assets Index (HAI), Economic Vulnerability Index (EVI)).
- Studies to reduce duplication of statistical production through planning, delegate responsibility, identification of data sources, data collection methods.

**WP 14:** Upgrade knowledge, competences and skills of the statisticians to enable them to move forward to becoming an experiences expert and skills comparable to international standards.

**Activities:**

Human resource development for national statistical system is crucially necessary. In implementing this, we need to put highest effort to increase efficiency and strengthen various aspects as illustrated by following main activities:

- Feasibility study, research and make cooperation plan with Lao National University to establish statistical subject into department of natural sciences or economic.
- Studies and propose to establish statistics training Division at central level together with local level has to have statistical training teams to implement the mentioned training courses.
- Provide necessary training on techniques, management and planning to national statistics in vertical and horizontal line form central to local (district level) focus on the following topics:
  - Statistics Techniques including:
    - Generic Statistical Business Process Model (GSBPM), Basic Statistics, Applied Statistics, Application of statistical software, data set analysis, surveys management, information technology systems management,

- foreign language, financial management, writing reports and other statistics to staff in national statistic system;
- Using and apply methods, international classification system to statistical area;
- Create database, data entry by using scanner, tablet, website;
- Develop metadata documentation for dissemination, including raw data from survey based on instruction guideline, official statistics dissemination;
- Management, Planning and evaluation including:
  - Organization development and task management, project management, need assessment, strategy identification and planning;
  - Implementation method of the Strategies for the Sustainable Development of the National Statistical System and vision 2030.
- Data processing such as: data entry, editing, classification, cleaning, imputing for non-response and preparing result tables;
- Studies, develop the principles in sampling design and selected sampling methods of survey based on international standards and principles;
- Compiling lessons, encourage and facilitate access to the implementation of the results of the statistics training from domestic and oversea;
- Create and develop instruction manual concerning general statistics and statistical software by short, medium and long terms;
- Coordinate with schools, institutions within domestic and oversea to create and develop the instruction course of statistics science;
- Dissemination and encourage implementation of Human Resources Strategy development across the statistical system;
- Research and develop plan in cooperation with sectoral from central to local in order to identify need, upgrade knowledge and necessary skills to statistics staff.
- Assess of statistics capacity building in central and local levels;
- Upgrade staff/ academia' qualifications, from Bachelor's Degree to Master's Degree and from Master's Degree to Doctoral Degree.

**WP 15:** Encourage and promote resources mobilization into statistical production to secure a certain level of budget and able to implement statistical activities in national statistics system.

**Activities:**

- Disseminate complete outputs, importance and benefit of statistics activities to mobilize and promote financial resource mobilization from various sources to meet the budgetary target in order to begin relevant statistical activities and avoid any delay.
- Identify adequate sources of funds to support strategy implementation, that is, statistical activities must be adequate and supply through legal process for budget allocation for statistics development activities from government, relevant fund foundation, and contribution from society (state, private enterprises and

individual) to supply necessary information, to ensure census and sample surveys are conducted according to plans.

- Studies and set budgets plan for statistical activities at each level, line ministries, provinces, and districts. Formulate budgetary plans and propose to relevant organizations.
- Strengthen interaction among statistics in vertical and horizontal line for sharing and exchanging information and jointly participating in capacity building activities.
- Encourage all sectors are responsible for supply staffs to each department, unit and office under national statistics system adequately, consider how to promote, raise academic position including creating motivation to be able retaining highly skillful staff.

## **5. Budget Needs**

This strategic plan has an estimated budget for implementing statistical activities in the coming years; Appendix IV summarizes those budgetary needs. In addition to costs pertaining to conducting surveys, administrative expenses such as human resource development costs, costs of repairing and upgrading statistical infrastructure and costs incurred throughout production process are also included. However, this budget does not cover all the technical needs. Therefore, this issue will become clearer when annual plans are formulated.

To implement the Strategies for the Sustainable Development of the National Statistical System 2016-2025 and vision 2030, there is an estimation budget by compiling the need in implementing statistics activities, as a reference for fund mobilize, budget and sources for implementing is mainly from Government, international organization, stakeholders and neighboring country, including other donors to assure and avoid the limitation on producing quality of the statistics. However, those budgets cannot allocate to all activities within the national statistics system which we can see in the annual work plan.

From the estimation, the overall budgetary need for 2016-2025 is approximately 972.14 billion kips or an average 92.72 billion kips per year. In which, the budget requirement for implementing or operating statistics activities, for HR development, survey, administrative and other expenditure (exclude staff salary); those budget is not include the IT infrastructure and operation utilities, set up data center statistics system in vertical and horizontal line from central to district level (detail see appendix IV a-c).

## **Part III: Measures to Implement the Strategies for the Sustainable Development of the National Statistical System, 2016-2025**

To ensure that the objectives specified in the Strategies for Sustainable Development of the National Statistical System (SDNSS) 2016-2025 are achieved, all stakeholders need to actively perform their responsible activities, strongly contribute to and coordinate with each other, clearly allocate responsibilities, and assess and evaluate the performance and outcomes in each period described in more detail as follows:

1. To implement these strategies comparable with the agreement of the 10<sup>th</sup> General Party Meeting regarding the eighth and ninth five years national social-economic development plan, United Nation Organization agreements, Asia-Pacific Statistics Organization and ASEAN Statistics Committee.
2. The Ministry of Planning and Investment issues the notification decree/letter to activate the implementation of the SDNSS particularly to make sure that the detail of this strategic document, more importantly the annual plans, workplan, project that determine activities, expectation, human resource, budget and detail implementing measure.
3. To assure harmonization, supporting including to assure equality in all partners (ministries, organization, sectors, and local agencies) which have obligation and duty to disseminate, suggest and contain into their operation plan have to create master plans, workplan, project that determined in activities, expectation, human resource, budget and detail implementing measure.
4. To ensure all goals and objectives are met, all stakeholders should give attention to human resource development, beginning with providing short-term training on basic statistics or training on the job and move forward to medium and long terms. Therefore, it is necessary to formulate the detailed human resources development plan.
5. Authorize the Lao Statistics Bureau, Ministry of Planning and Investment to serve as a coordinating body for the National Statistical System development, or more specifically for vertical organizational network. At the same time, the leaders of each organization in horizontal organizational network of NSS need to appropriately improve their organizational structure and budget to ensure successful statistical activities. It is also necessary that every agency take statistical works seriously and give priority to them accordingly.
6. Considering the current situation, statistical coordination is crucially necessary to achieve the goals and objectives specified in this strategy particularly statistical work management such as: works pertaining to organizational structure (Statistical Advisory board, statistical department, divisions, and units); works among vertical and horizontal organizational network, budget, statisticians' village level need to have detailed guideline. Therefore, it is necessary that every stakeholder participates in

collaboration with ministries, ministry-equivalent organizations, municipality, provinces and district.

7. In this new era advertising and awareness rising also play an important role in supporting statistical work to achieve determined goals and objectives. Therefore, it is necessary that every stakeholder participates in collaboration with ministries, ministry-equivalent organizations, municipality, provinces and district.
8. Government must allocate investment state budget to implement and extend national statistic development strategies appropriately; in case of necessary for promptly statistical implementation, government will consider budget to specified use.
9. To supply adequate funding from government, all sectors leaders and statistics organization in line with vertical and horizontal linkages from central to local has to attract assistance and mobilize international funds such as: bilateral cooperation, multi cooperation, international organizations and all development partners to implement statistical activities by contribution of government budget through:
  - Direction propose, workplan, project and activities in each period to related sectors understanding which can implement in domestic and international statistical meetings, or organize specific meeting with funding donors.
  - Lao Statistics Bureau is responsible for direct coordinate with Department of International Cooperation, Ministry of Planning and Investment, coordinate with related sector and local authorization.
10. The implementation of this strategy must be consistent with other plans of ministries, provinces, and districts with overall emphasis on working as a team with high individual responsibility.
11. Every stakeholder including the Department of Statistics, MPI is responsible for monitoring, assessing, evaluating and reporting the results of implementation of this strategy and other work plans in each period, including made the conclusion and mid-term evaluation and final on the implementation of this strategy in relating to key outputs and challenges on achieving strategy goal and activities implementation or pending which the first five year focus on general outcome, quality and other inputs as a per-condition and impact on the implementation; in case there is necessary, it can be reviewed implantation plan the rest within the strategy.

# Appendixes

## **List of Appendixes**

1. Appendix I. Types of official statistics in Lao P.D.R
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### Appendix I. Types of Official Statistics in Lao P.D.R

Types of official statistics	Main Data Sources
1. Agricultural Statistics	Agricultural survey, Annual Household Survey, Household Consumption and Expenditure Survey, Village statistical books, agricultural sample survey, administrative records
2. Industrial Statistics (Mining, industrial processing, handicraft and energy)	Enterprise Survey, annual and quarterly enterprise sample surveys, Household Consumption and Expenditure Survey, administrative records
3. Domestic Trade Statistics	Enterprise survey, annual and quarterly enterprise sample surveys, Household Consumption and Expenditure Survey, administrative records
4. Communication, transportation, postal, telecommunication, construction and other statistics	Vehicle register, transportation specific survey, Enterprise survey, Annual Household Survey, Household Consumption and Expenditure Survey, administrative records
5. Tourism Statistics	Tourist spending and length of stay survey, Enterprise Survey, Annual Household Survey, Household Consumption and Expenditure Survey, specific sample survey, administrative records (immigration records)
6. Investment Statistics	Enterprise survey, administrative records
7. International Technical Assistance Statistics	Administrative records (Ministry of Finance, Bank of Lao P.D.R and Ministry of Planning and Investment)
8. International Trade Statistics	Administrative records (Department of Customs, Ministry of Finance, Ministry of Industry and Trade, Bank of Lao P.D.R)
9. Balance of Payments Statistics	Administrative records (Department of Customs, Ministry of Finance, Banking Statistics), Household Consumption and Expenditure Survey and other specific surveys
10. Fiscal and Monetary Statistics	Monetary and Banking System Survey, administrative records from Bank of Lao P.D.R and Ministry of Finance
11. National Accounts Statistics	Economic and sector statistical data from administrative records and surveys
12. Price Statistics	Price survey, Enterprise Survey, Household Consumption and Expenditure Survey and administrative records

<b>Types of official statistics</b>	<b>Main Data Sources</b>
13. Population Statistics	Population census, household survey, mid-term population count
14. Poverty and Gender Statistics	Household Consumption and Expenditure Survey, and administrative records
15. Education Statistics	Administrative records, Population and Housing Survey, Household Consumption and Expenditure Survey, School mapping survey
16. Public Health Statistics	Administrative records, Population and Housing Survey, Woman and Child Health Survey, National Health Survey, Reproductive Health Survey, Household Consumption and Expenditure Survey
17. Labor and Welfare Statistics	Administrative records, Labor survey, Enterprise Survey, Household Consumption and Expenditure Survey
18. Cultural and Sport Statistics	Administrative records, Time-use Survey (Household Consumption and Expenditure Survey)
19. Environment and Natural Resource Statistics	
19.1 Meteorology Statistics	Administrative records
19.2 Hydrology Statistics	Administrative records
19.3 Geographic Statistics	Administrative records and surveys
19.4 Geology Statistics	Administrative records and surveys
19.5 Disaster Statistics	Administrative records and surveys
19.6 Pollution Statistics	Administrative records and surveys
19.7 Waste Statistics	Administrative records and surveys
19.8 Other Statistics	Administrative records and surveys
20. Land Use Statistics	Administrative records and surveys
21. Stability Statistics	
21.1 Food security Statistics	Administrative records and Household Consumption and Expenditure Survey
21.2 Social Protection and Welfare Statistics	Administrative records and annual household survey
21.3 Living Condition (Nutrition)	household consumption and expenditure survey

Types of official statistics	Main Data Sources
21.4 Living condition Risk factor Statistics	Administrative records and annual household survey
21.5 Other Statistics	Administrative records and surveys
22. Other Statistics	Administrative records and surveys
22.1 Disability Statistics	Population Census, Labor Survey and administrative records
22.2 Crime and Justice Statistics	Administrative records
22.3 Accident Statistics	Administrative records
22.4 Ethnic Statistics	Population Census and administrative records
22.5 Social Organization Statistics	Administrative records
23. Enterprise and Vehicle Registration Statistics	Enterprise survey, annual registration records, administrative records from Ministry of Finance, and Ministry of Industry and Commerce
24. Province, district, village number registration Statistics	Administrative records (village level statistics), Population Census

**Appendix II: Summary of indicators by type of statistics and production objectives, 2016- 2025**

No.	Types of Statistics	National Indicators	Sector Indicators	Provincial Indicators	Total	Production Objectives 2016-2020	Production Objectives 2021-2025
I.	Economic Statistics	210	357	203	409	311	363
II.	Cultural and Social Statistics	247	322	136	339	260	339
III.	Environment and Natural Resource Statistics	16	53	21	68	61	66
IV.	Stability Statistics	29	27	18	56	33	56
<b>Total</b>		<b>502</b>	<b>759</b>	<b>378</b>	<b>872</b>	<b>665</b>	<b>824</b>

**Remark:**

1. This is to serve as fundamental for initiating discussions on feasibility and possibility of supplying (statistical products) within the National Statistical System taking into account the scope of official statistics and overall needs of the government (particularly for Socio-economic development plan formulation, Human Development in ASEAN and in Lao PDR). However, abovementioned indicators will continuously be improved based on periodic and in line with indicators of SDGs.
2. Detailed list of indicators by types of statistics will be mentioned in the specified implementing guideline of the Strategy for the Development of National Statistical System and defined number of indicators are identified at a minimum level in mid-term review 2016.

### Appendix III: Summary of survey and registration plans, 2016-2025

No.	Surveys	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
1	Population and Housing Census										x
2	Economic Census			x					x		
3	Agricultural Census						x				
4	Household Consumption and Expenditure Survey		x	x				x	x		
5	Annual Household Survey	x		x	x	x	x		x	x	x
6	Quarterly Enterprise Survey	x	x	x	x	x	x	x	x	x	x
7	Annual Enterprise Survey	x	x	x	x	x	x	x	x	x	x
8	Labor Survey	x					x				
9	Lao Social Indicator Survey (National Woman and Child Health Survey, and Reproductive Health Survey)		x					x			
10	Vital Registration Survey	x	x	x	x	x	x	x	x	x	x
11	Annual Village Registration	x	x	x	x	x	x	x	x	x	x
12	Population Count					x					
13	Annual village level statistics and poverty survey, from 2010-2015	x	x	x	x	x	x	x	x	x	x
14	Annual Enterprise Register	x	x	x	x	x	x	x	x	x	x
15	Producer Price Index Survey	x									
16	International Comparison Program and Purchasing Power Parities Surveys (ICP, PPP)	x	x	x							
17	Input-Output Survey			x							
18	GNI Survey		x		x						

**Appendix III: Summary of survey and registration plans, 2016-2025**

Item	Survey Title	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
1	Quarterly Enterprise Survey (4 Quarters)	x	x	x	x	x	x	x	x	x	x
2	Annual Enterprise Survey	x	x	x	x	x	x	x	x	x	x
3	Agriculture Census (10 Years/time)			x	x	x					-
4	Annual Household Survey	x	x	x	x	x	x	x	x	x	x
5	Economic Census (5 Year/time)			x					x		
6	Household Consumption and Expenditure Survey (5Year/Time)		x	x				x	x		
7	Lao Social Indicator Survey	x					x				
8	Population and Housing Census year 2025										x
9	Population Count					x					
10	Labour Survey	x					x				
11	Vital Registration Survey	x	x	x	x	x	x	x	x	x	x
12	Annual Poverty Survey	x	x	x	x	x	x	x	x	x	x
13	Annual village level statistics		x	x	x	x	x	x	x	x	x
14	User Satisfaction Survey			x		x		x		x	
15	Annual Enterprise Registration and Shop Statistics	x	x	x	x	x	x	x	x	x	x
16	Annual Enterprise Registration and Shop Statistics within Special and Specific Economic Zone		x	x	x	x	x	x	x	x	x

**Appendix III: Summary of survey and registration plans, 2016-2025 (Cont.)**

Item	Survey Title	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
17	Production Price Index Survey (PPI)	x	x	x	x	x	x	x	x	x	x
18	Sample survey on Consumer Price Index and Inflation Rate (CPI, Inflation)	x	x	x	x	x	x	x	x	x	x
19	International Comparison Program and Purchasing Power Parities Surveys (ICP, PPP)		x	x			x	x			x
20	Input-Output Survey				x					x	
21	GNI Survey		x	x	x	x	x	x	x	x	x
22	Shuttle Trade Survey		x	x	x	x	x	x	x	x	x
23	Service in Trade Survey (SITS Survey)		x	x	x	x	x	x	x	x	x
24	Annual International Investment Position and Debt Survey (IIP & EDP Survey)	x	x	x	x	x	x	x	x	x	x
25	Other necessary survey to add environment statistics data, SDGIs and LDC and Stability and on demanding		x	x	x	x	x	x	x	x	x

**Remarks:** In each year is based on survey cycle and practice time (Activities) interlink with budget requirement;



### Appendix IV.a: Budget requirement for implementation work plan, 2016-2020

Item	Description	2016	2017	2018	2019	2020	2016-2020
<b>Total (Billion KIP)</b>		<b>65.71</b>	<b>76.02</b>	<b>81.82</b>	<b>67.44</b>	<b>118.75</b>	<b>409.74</b>
<b>Total in USD 8000 KIP/1USD</b>		<b>8,213,290.95</b>	<b>9,502,452.20</b>	<b>10,227,779.08</b>	<b>8,429,428.99</b>	<b>14,844,005.39</b>	<b>51,216,957</b>
<b>I</b>	<b>Operation Cost and Upgrading and HR Development</b>	<b>27,902,269,580</b>	<b>49,375,574,780</b>	<b>47,313,004,580</b>	<b>47,667,896,980</b>	<b>45,665,951,680</b>	<b>217,924,697,600</b>
1.1	<i>Operational Cost</i>	27,902,269,580	39,719,574,780	37,657,004,580	38,011,896,980	36,009,951,680	179,300,697,600
1.2	<i>Upgrading and HR Development Cost</i>	-	9,656,000,000	9,656,000,000	9,656,000,000	9,656,000,000	38,624,000,000
<b>II</b>	<b>Survey Cost</b>	<b>34,232,758,000</b>	<b>21,180,766,000</b>	<b>28,499,623,570</b>	<b>13,156,970,000</b>	<b>65,814,470,000</b>	<b>162,884,587,570</b>
	<i>There is, Survey Cost Proposed to Government for consideration:</i>	12,772,745,000	19,510,041,000	11,263,569,000	10,238,245,000	25,570,745,000	79,355,345,000
<b>III</b>	<b>Administration and Others</b>	<b>3,571,300,000</b>	<b>5,463,276,800</b>	<b>6,009,604,480.00</b>	<b>6,610,564,928.00</b>	<b>7,271,621,420.80</b>	<b>28,926,367,629</b>

### Appendix IV.b: Budget requirement for implementation work plan, 2021-2025

Item	Description	2021	2022	2023	2024	2025	2021-2025
<b>Total (Billion KIP)</b>		<b>115.23</b>	<b>74.8</b>	<b>84.8</b>	<b>72.3</b>	<b>170.3</b>	<b>517.4</b>
<b>Total in USD 8000 KIP/1USD</b>		<b>14,404,037.68</b>	<b>9,354,933.12</b>	<b>10,598,576.96</b>	<b>9,033,470.00</b>	<b>21,284,449.38</b>	<b>64,675,467</b>
<b>I</b>	<b>Operation Cost and Upgrading and HR Development</b>	<b>41,492,504,080</b>	<b>42,723,318,780</b>	<b>42,727,504,080</b>	<b>42,182,504,080</b>	<b>42,766,613,480</b>	<b>211,892,444,500</b>
1.1	<i>Operational Cost</i>	<i>31,836,504,080</i>	<i>33,067,318,780</i>	<i>33,071,504,080</i>	<i>32,526,504,080</i>	<i>33,110,613,480</i>	<i>163,612,444,500</i>
1.2	<i>Upgrading and HR Development Cost</i>	<i>9,656,000,000</i>	<i>9,656,000,000</i>	<i>9,656,000,000</i>	<i>9,656,000,000</i>	<i>9,656,000,000</i>	<i>48,280,000,000</i>
<b>II</b>	<b>Survey Cost</b>	<b>65,741,013,800</b>	<b>23,317,484,300</b>	<b>32,382,583,497</b>	<b>19,438,875,027</b>	<b>115,797,962,530</b>	<b>256,677,919,154</b>
	<i>There is, Survey Cost Proposed to Government for consideration:</i>	<i>37,304,420,000</i>	<i>26,636,382,721</i>	<i>17,954,094,600</i>	<i>11,522,920,275</i>	<i>44,048,612,803</i>	<i>137,466,430,398</i>
<b>III</b>	<b>Administration and Others</b>	<b>7,998,783,563</b>	<b>8,798,661,919.2</b>	<b>9,678,528,111.1</b>	<b>10,646,380,922.2</b>	<b>11,711,019,014.4</b>	<b>48,833,373,530</b>

### Appendix IV.c: Budget requirement for implementation work plan, 2016-2025

Item	Description	2016-2020	2021-2025	2016-2025	Average per Annum
<b>Total (Billion KIP)</b>		<b>409.74</b>	<b>517.4</b>	<b>927.14</b>	<b>92.71</b>
<b>Total in USD 8000 KIP/1USD</b>		<b>51,216,957</b>	<b>64,675,467</b>	<b>115,892,424</b>	<b>11,589,242</b>
<b>I</b>	<b>Operation Cost and Upgrading and HR Development</b>	<b>217,924,697,600</b>	<b>211,892,444,500</b>	<b>429,817,142,100</b>	<b>42.98</b>
1.1	<i>Operational Cost</i>	<i>179,300,697,600</i>	<i>163,612,444,500</i>	<i>342,913,142,100</i>	34.29
1.2	<i>Upgrading and HR Development Cost</i>	<i>38,624,000,000</i>	<i>48,280,000,000</i>	<i>86,904,000,000</i>	8.69
<b>II</b>	<b>Survey Cost</b>	<b>162,884,587,570</b>	<b>256,677,919,154</b>	<b>419,562,506,724</b>	<b>41.96</b>
	<i>There is, Survey Cost Proposed to Government for consideration:</i>	<i>79,355,345,000</i>	<i>137,466,430,398</i>	<i>216,821,775,398</i>	21.68
<b>III</b>	<b>Administration and Others</b>	<b>28,926,367,629</b>	<b>48,833,373,530</b>	<b>77,759,741,159</b>	<b>7.78</b>

**Remark:**

1. Administrative and Others Cost is not including salary and investment with consideration the price fluctuation and inflation rate about 10% per annum
2. Upgrading and HR Development Cost is only for sending staff to only participated in the Master and PhD programme, not including training and Samenar
3. Using government budget is based on the decree issued by Ministry of Finance periodically
4. Exchange rate: 8,000 Kip/1USD.