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DOSM/BIPD/2.2020/Series 53

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NEWSLETTER An Evolution of Statistical System for Department of Statistics Malaysia (DOSM)

The national statistical system (NSS) is the ensemble of **statistical** organisations and units within a country that jointly collect, process and disseminate official statistics on behalf of national aovernment.1 Sep 25, 2001

Statistical systems are said to be centralised when all, or most, of the products of the statistical system are produced and disseminated by the central organisation.²

Department of Statistics, Malaysia established under the Statistics Ordinance 1949, the Statistics Sections in both the Central Trade Registry and the Department of Agriculture were merged to become the Bureau of Statistics. The Bureau, headed by the Registrar of Statistics, was responsible for the collection, preparation and publication of statistics supported by the ordinance. DOSM celebrate its 71st anniversaries this year of implementing centralised national statistical system.



Act 415

STATISTICS ACT 1965

The legal framework is of crucial importance to the effectiveness of DOSM statistical system. DOSM has established its framework through Statistics Act 1965 (Revised 1989). This act serves as an operational framework.

The implementation guidelines for the United Nations Fundamental Principles of Official Statistics states 'High quality legislation is critical to the effective performance of a national statistical



Divorced from main government

users, perceived lack of responsiveness

9 administrative management Korea and information systems Difficult to coordinate and interests take precedence over common good

Difficult to set common

standards

KOSTAT, as the central

Selected National Statistical Office

Australia

Australian Bureau of Statistics (ABS) is a good example of centralised statistical system. Australia's statistical system strongly reflects this and their system has an integrated statistical service covering the

Netherlands

As the national statistical offi-Statistics Netherlands (CBS) provides relable statistical information and data to produce insight into social issues, thus supporting the public debate policy development and decision-making while contributing to prosperity, well-being and democracy. It performs publi-sesses statists but form subfi-sesses statists but form subfi-

The Italian National Institute of Statistics, which has been in operation for more than 90 years, is the main producer of official statistics in the service of fictions and policy statem.

Centralised

Decentralised

Office for National Statistics

Over the years, DOSM has consistently committed in increasing its capacity. As such, to realize the benefits of the data revolution, the statistical literacy of citizens and government officials must increase. The value of statistics has to be recognized for guiding policies, assessing results and creating valuable products. Thus, strategies for increasing statistical literacy will be intensified on many fronts.

France

The official statistical system comprises INSEE and the Ministerial Statistical Departments (SSM), which conduct statistical operations in their area of expertise. INSEE and the SSMs, decide which methods, standards and procedures to apply in preparing and publishing statistics INSEE coordinates the work of the difference ministerial statistics. insect coordinates the work of the different ministerial statistical departments. Most ministries have their own statistical departments to carry out statistical operations in their area of expertise. STATISTICS SINGAPORE **Singapore**

DOS has adopted a **decentralised** statistical system since 1973. The entralised system is plemented by greater dination of statistical active adoption of common stan ugh the co-ordinating role and by the Singapore Depart

NBS China

China's statistical system is decentralised and devolved with subordinate offices collecting data and providing services at state level. As stipulated in the Statistical Law, the State establishes a centralized and unified statistical system by instituting the statistical management system featuring unified leadership and decentralized administration. Over the years, it has evolved separate ways of meeting the statistical meeting out the statistical needs of its big country which tend to mirror the administration. For arrangements.

United Kingdom

The decentralised systems the United kingdom has created a statistics cade a coros Government which have common professional standards and codes of conduct. In the UK the cadre is a fairly loose association and statistical association and statistical material statistics are employed by their parent Ministry, Head of the Statistics Office appointed for limited term through open competition.

References:

- Measuring the Non-Observed Economy: A Handbook, OECD, IMF, ILO, Interstate Statistical Committee of the Commonwealth of Independent States, 2002, Annex 2, Glossary.
- Model of Statistical System, PARIS21, 2005















COUNTED

DEPARTMENT OF STATISTICS MALAYSIA STATISTICAL SYSTEM

Statistical infrastructure

Data Development

Physical Infrastructure and **Equipment**

Statistical Literacy

Human Resource



The basic elements of the statistical statistical software



A component supports adapting internationally accepted standards and methodologies in data collection, compilation, and validation by the state statistical agency and other relevant agencies

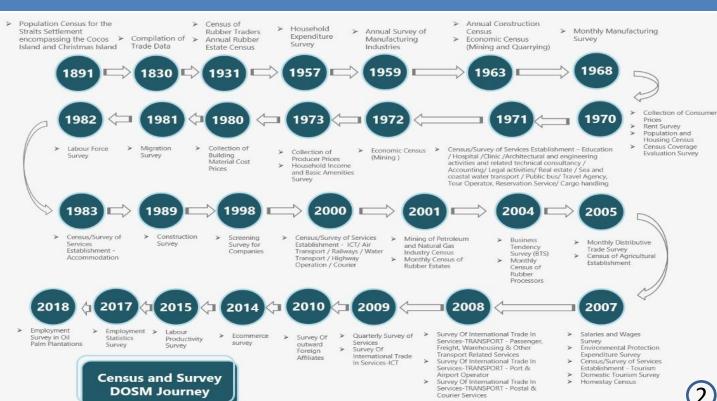


A component upgrades existing information technology (IT), transportation and other to carry out existing and project activities



Dissemination of statistical product







DOSM Journey





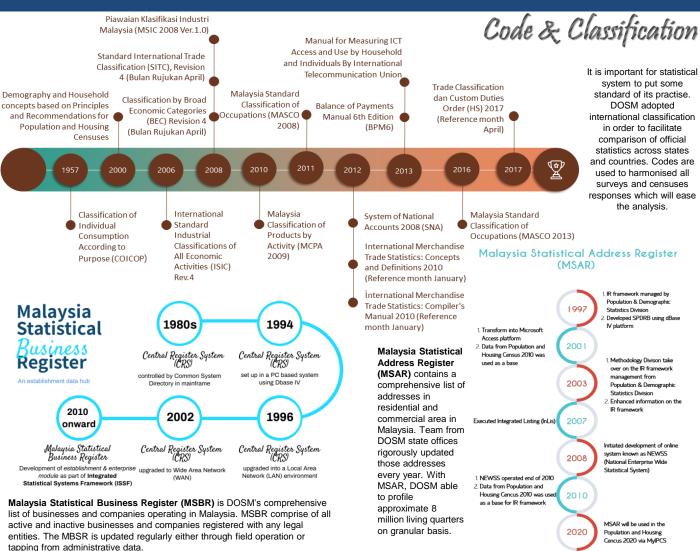








Statistical Infrastructure



Data Development

Mode Data Collection Computer-Assisted Personal Interview (CAPI) Collection of Consumer Price Pencil and Paner Interview (PAPI) Household Budget Computer-Assisted Web Interview (CAWI) Monthly Manufacturing Survey Survey Population Census for <2009 Population and Housing Census 1998 2008 Monthly Manufacturing (CATI)

Inline with the evolution of the technology, the mode of data collection for surveys and censuses conducted by DOSM had also evolved to ensure ease of respondent burden and seamless data journey.

Today, DOSM has benefited from numerous administrative data in enriching its statistical registers, surveys and censuses. Those administrative data from various agencies are obtained either thru manual processes or an integrated system for seamless data flow and regular transmission.

Inter Agency Planning Groups (IAPGs)

In a society where the amount of information is growing explosively, it is important to consult stakeholders and users while generating the official statistics. Numerous inter agency planning groups have established a platform of consultation between DOSM and other agencies. Through this consultation, DOSM able to identify data gaps in any statistical programs. DOSM also able to inform any new survey is developed or existing surveys are improved. Administrative data from various agencies have been identified and leveraged in order to strengthen the production of Malaysia official statistics. In addition, the IAPGs member will aware and able to use data to inform programs and policies.





































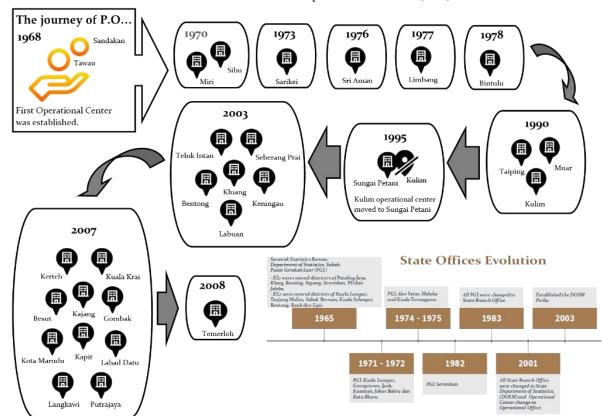






Physical Infrastructure and Equipment

Evolution of State Offices And Operational Offices (P.O.)



Department of Statistics Malaysia has 14 states office and 27 Operational Offices of which their main role is gathering data from field work thru out Malaysia.

Computer ISM 43SH-PI2 at DOSM 14D Place by ISM 9I2H-90 with 64MB memory replacing ICL ME 29 Introduced of Managament of Statem Pangkalan Data Rangka Band (SPORB) 2 Introduction of enals a sub-Agencies Adhievers Award 2 NeWS Phase 2 bick-off 3 Onine Quarterly Services Survey (e-QSS) was cetabolished account was intitled account was intitled. Integrate Account was intitled account was intitled account wa

Statistical Literacy



Producing and disseminating data and statistics means little if they are not used. Providing data in open formats with open licenses encourages their use. Yet data will have little impact unless user communities recognise their relevance for understanding the world around them or for informing decisions made by themselves or others. Subsequent to this, DOSM has put various effort to reach all groups of users aiming to increase the statistical literacy.

DOSM also always look for new insights and present it in a publication. Those publication can easily be accessed at www.dosm.gov.my













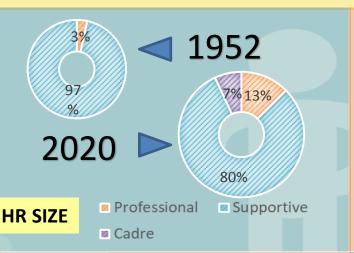




Human Resources Development

DOSM'S TALENT

- DOSM size has upsizing tremendously after 70 years of its establishment, from 117 to 3420 personnel.
- Numerous short and long courses conducted to uplift the skill and knowledge of its personnel.
- DOSM's received lot of appreciation from international bodies as shown in the graph.
 - The opportunity to gain more in-depth knowledge, DOSM always encourage its manpower to gain higher certification.

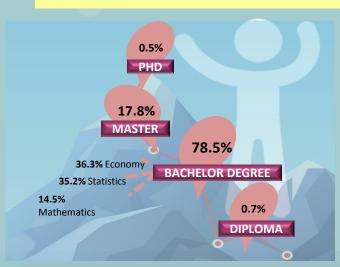




INTERNATIONAL PARTICIPATIONS



HIGHEST CERTIFICATE OBTAINED



As official statistics deal increasingly with complex subject matters which require specialized knowledge, the retention knowledgeable staff becomes imperative for effective compilation and analysis. Professional official statisticians should be given the proper recognition for the knowledge and skills that they possess. It is also critical for statisticians to strictly adhere to the professional standards and ethics associated with official statistics, such as objectivity and impartiality.

The data revolution has put new tools and sources of data in the hands of statisticians. These can serve national statistical offices, as well as the increasing number of data users and producers in the growing data ecosystem. In the future, national statistical systems will find themselves working with new partners, and their role within the data ecosystem may well change, but their core responsibilities for official statistics will remain.

@Data Management & Integration Division Team 2020

DISCLAIMER: The article in this newsletter is the initiative of DOSM officers based on ad-hoc observation and collection of brief information in the field during the Movement Control Order. It does not meet the country's official statistics released standards. Therefore, the content of this newsletter cannot be interpreted as DOSM's official statistics.















and impartiality.

DISCLAIMER: The article in the and collection of brief information of the country's official statistics interpreted as DOSM's official population & Housing