



MODERNIZATION OF STATISTICAL PRODUCTION PROCESS



**International Seminar on Modernizing Official Statistics:
Meeting Productivity and New Data Challenges**

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OUTLINE OF THE PRESENTATION

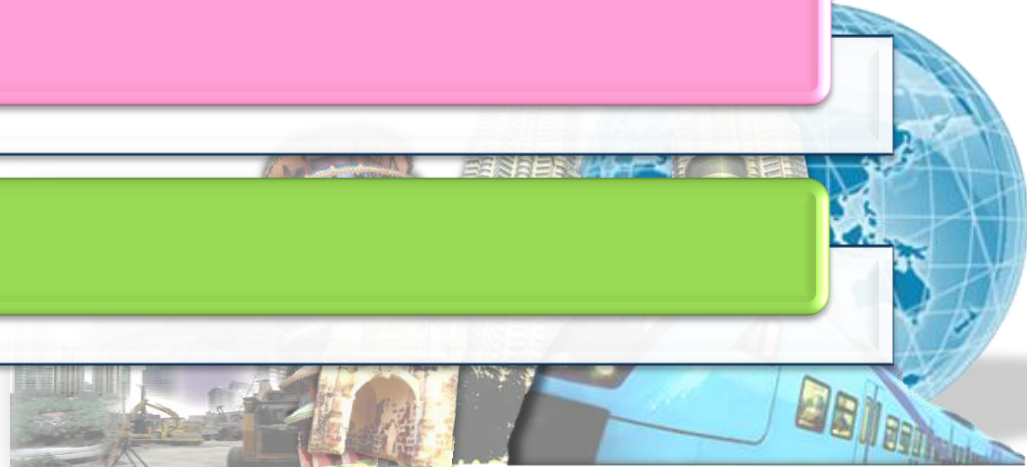
INTRODUCTION

**MODERNIZATION OF STATISTICAL
PRODUCTION PROCESS IN DOSM**

KEY CHALLENGES

WAY FORWARD

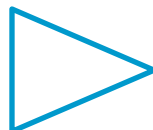
CONCLUSION



INTRODUCTION

Established in 1949 as Bureau of Statistics

Department of Statistics, Malaysia (DOSM) is the premier government agency entrusted with the responsibility for the purpose of monitoring national economic performance and social development of the country.



ROLE :

To increase and broaden its in the field of statistics towards establishing a quality, user-oriented and timely information system for national development planning and administration.

**Operate under the Statistics Act 1965
(Revised 1989)**



NATIONAL TRANSFORMATION PROGRAMME (NTP)

MALAYSIA National Transformation Programme (NTP)

- an ambitious, multi-lateral plan of change that aims to propel the country into a developed, high-income nation by 2020 (GNI per capita USD15,000)
- Divided into 2 components :
 - Government Transformation Programme (GTP)** –
 - aims to transform the Malaysian civil service into a dynamic, innovative & people-focused administration through the 7 National Key Results Areas (NKRAs) :





NKRA

NKRAs HEADED BY



Reducing Crime Minister of Home Affairs



Fighting Corruption Minister in the Prime Minister's Department, in charge of Law



Improving Student Outcomes Minister of Education



Raising Living Standards of Low-Income Households Minister of Women, Family and Community Development



Improving Rural Development Minister of Rural and Regional Development



Improving Urban Public Transport Minister of Transport



Addressing Cost of Living Deputy Prime Minister





NKEA

ii. Economic Transformation Programme (ETP) - works on driving the development of 12 key economic sectors along with 6 strategic reform initiatives in the country through National Key Economic Area:





DOSM STRATEGIC PLAN 2010 -2014

- *PERKASA STATS* ~ empowering statistics
- A shift towards upgrading DOSM's role as the leading statistical agency for national planning and development

STRATEGIC THRUSTS (ST)

ST 1

- To produce information of integrity and reliability

ST 2

- To strengthen research and analysis as well as to inculcate innovation culture

ST 3

- To strengthen resource management





ST 1: PRODUCE INFORMATION OF INTEGRITY AND RELIABILITY

STRATEGY 1

- Strengthen the statistical services in the challenging and dynamic environment


STRATEGY 2

- Optimise the use of statistical methodology and technology



STRATEGY 3

- Increase the understanding and use of statistics among the users and communities



- 
- **Modernisation of Statistical Production was set to oversee and coordinate international work relating to the modernisation of official statistics.**

- 
- **The role of the national statistics as the compiler of official statistics has become more important to ensure the availability, reliability and on-time social and economic statistics for policy makers and users**

- 
- **Statistical agencies all over the world are facing increased demands to operate more efficiently, respond more rapidly to changing users' needs, exploit data more effectively and improve statistical quality.**
- 



**MODERNIZATION OF
STATISTICAL PRODUCTION
PROCESS BY DOSM**



1

NATIONAL ENTERPRISE WIDE STATISTICAL SYSTEM (NEWSS)

2

E-SURVEY FOR MONTHLY & QUARTERLY ECONOMIC SURVEY AND E-CENSUS FOR HOUSING POPULATION CENSUS

3

PDA FOR WEEKLY AND MONTHLY PRICE COLLECTION

4

COMPUTER ASSISTED TELEPHONE INTERVIEW (CATI) FOR MONTHLY LABOUR FORCE SURVEY

5

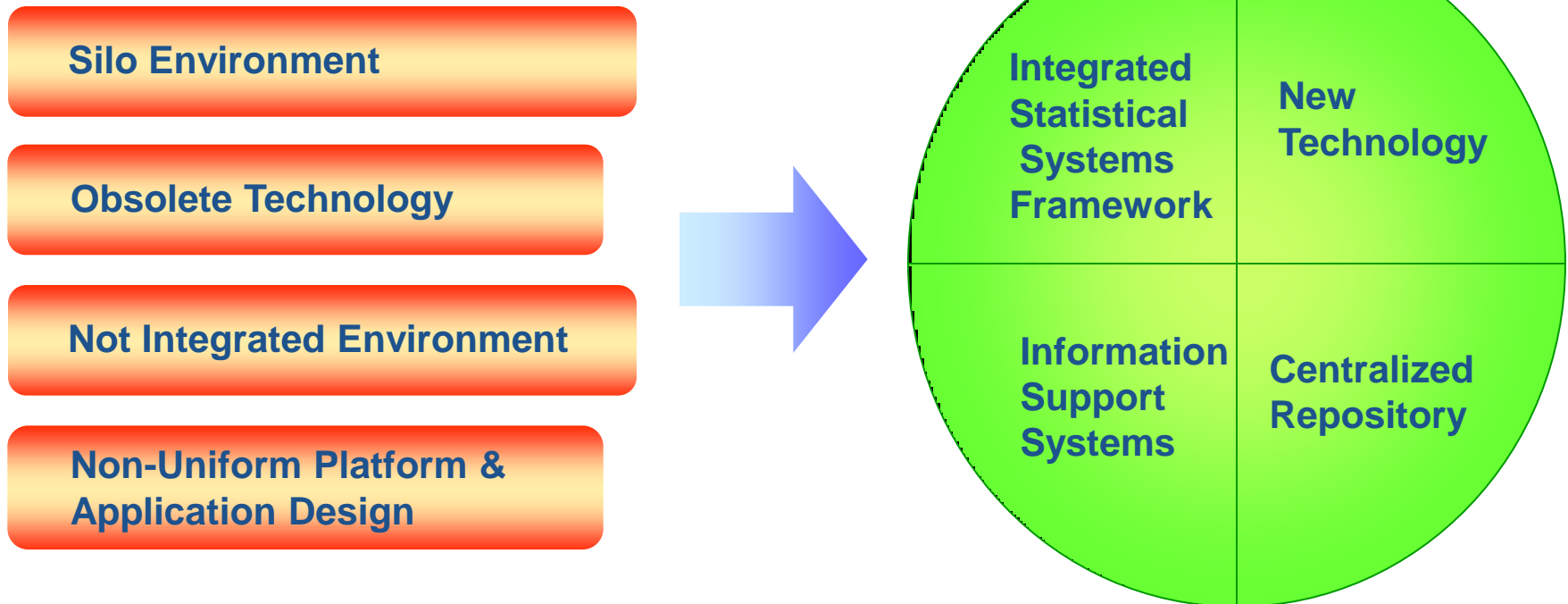
ADMINISTRATIVE DATA SOURCE FROM OTHER AGENCIES



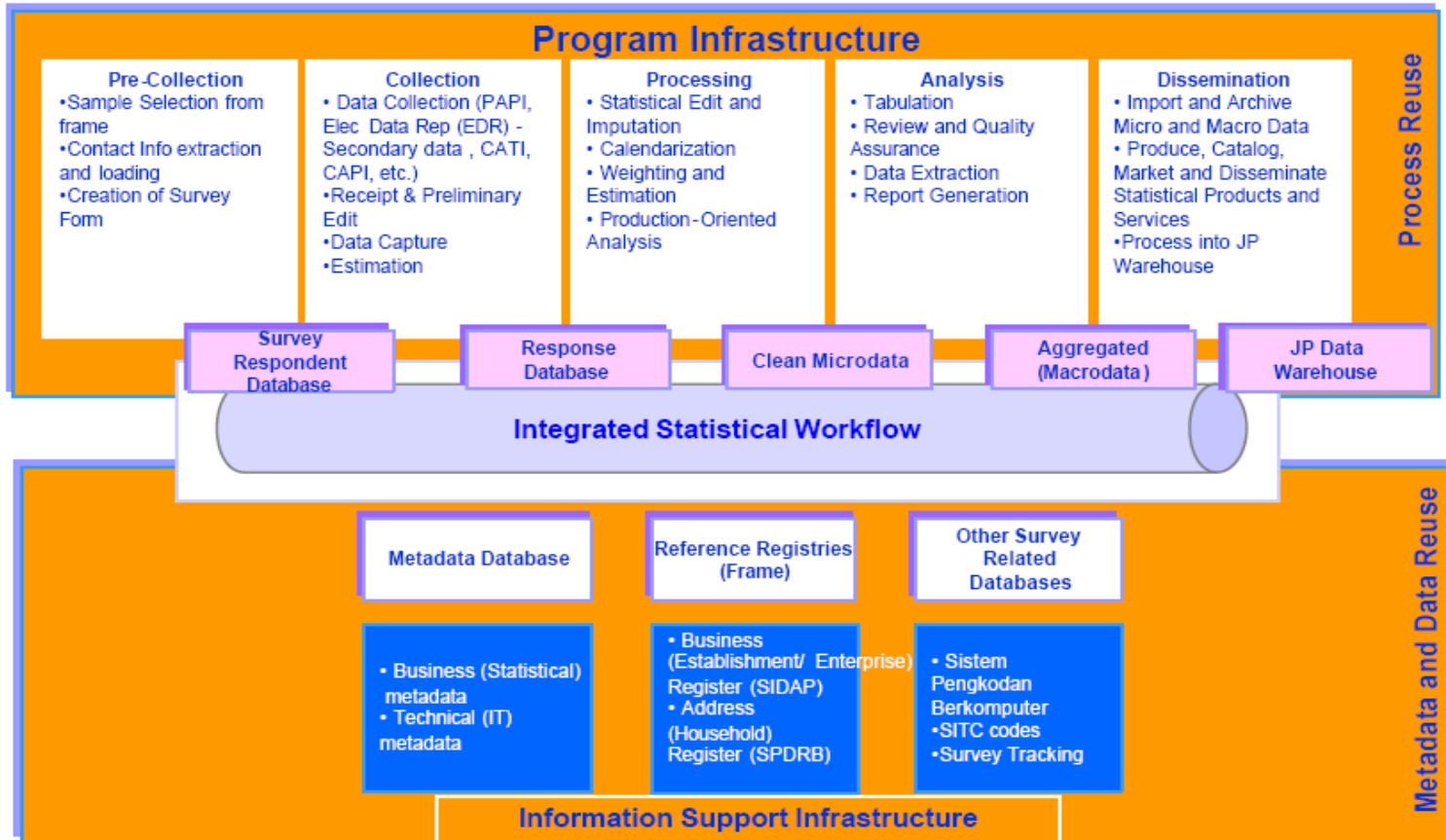


1. NEWSS

- An Integrated Statistical System Framework for
- common systems across DOSM



INTEGRATED STATISTICAL SYSTEMS FRAMEWORK (ISSF)

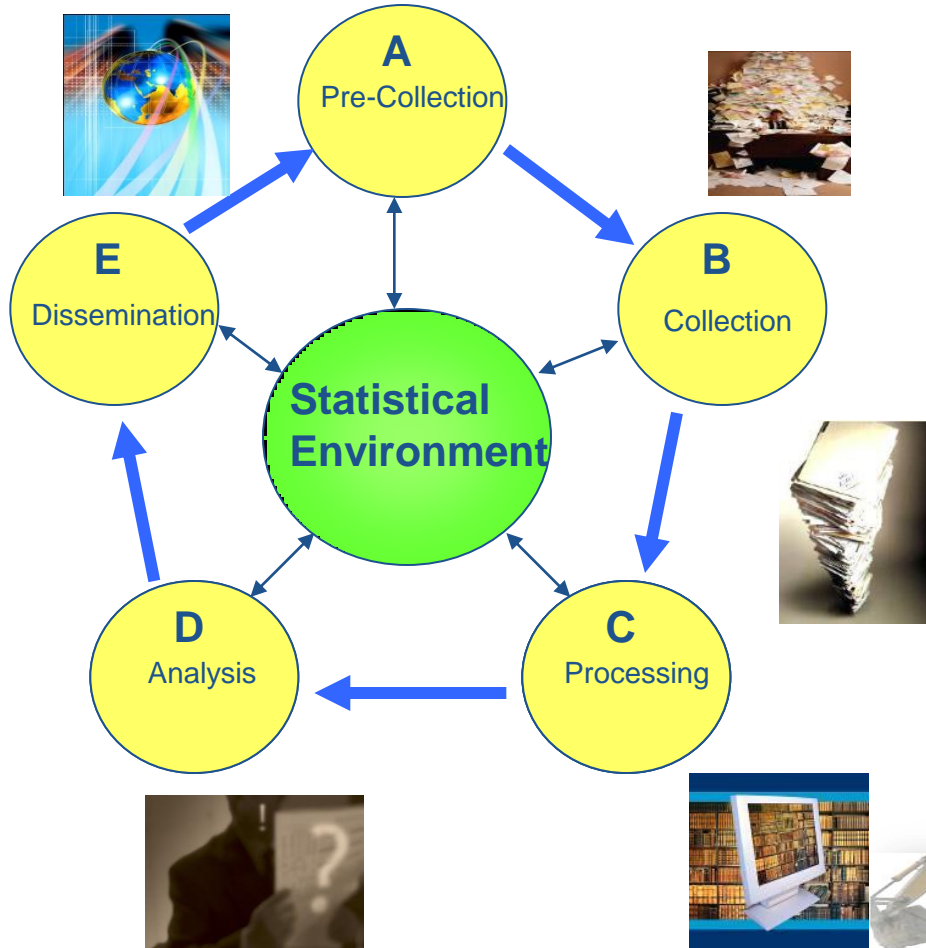


Source : DOSM

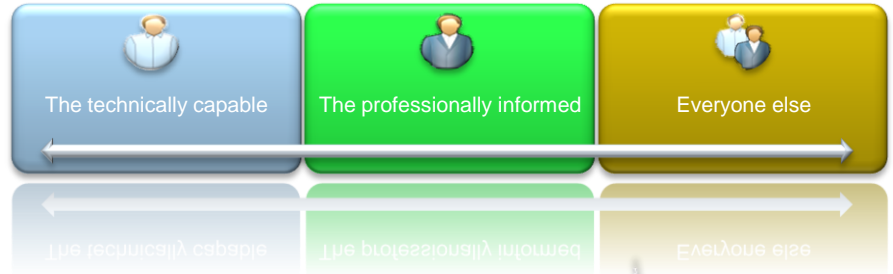
Ensure the development of application produces quality statistic using standards mechanism, that shall increase efficiency and shorten the process of developing the census/surveys on the same platform.



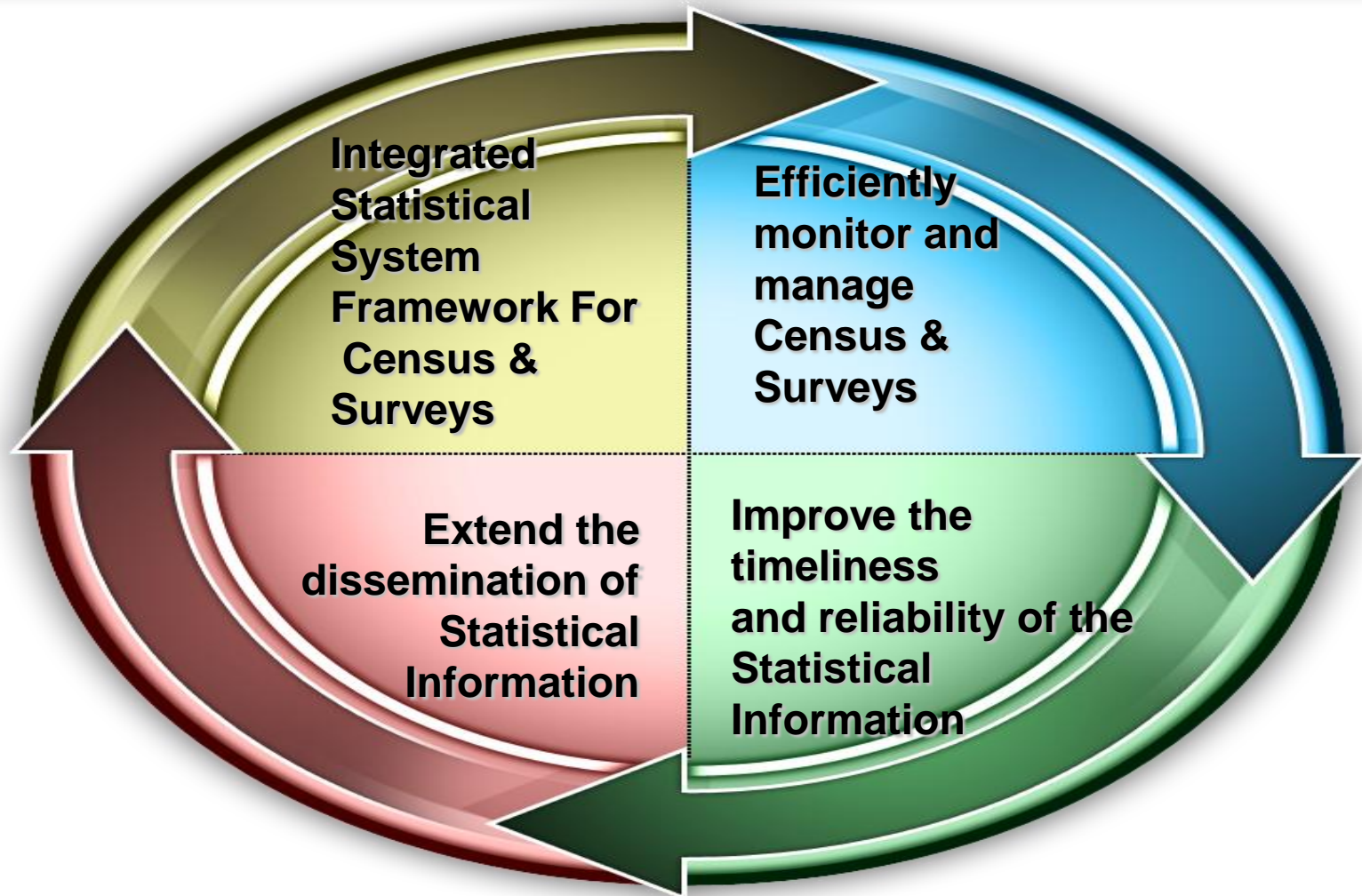
NEWSS VISION



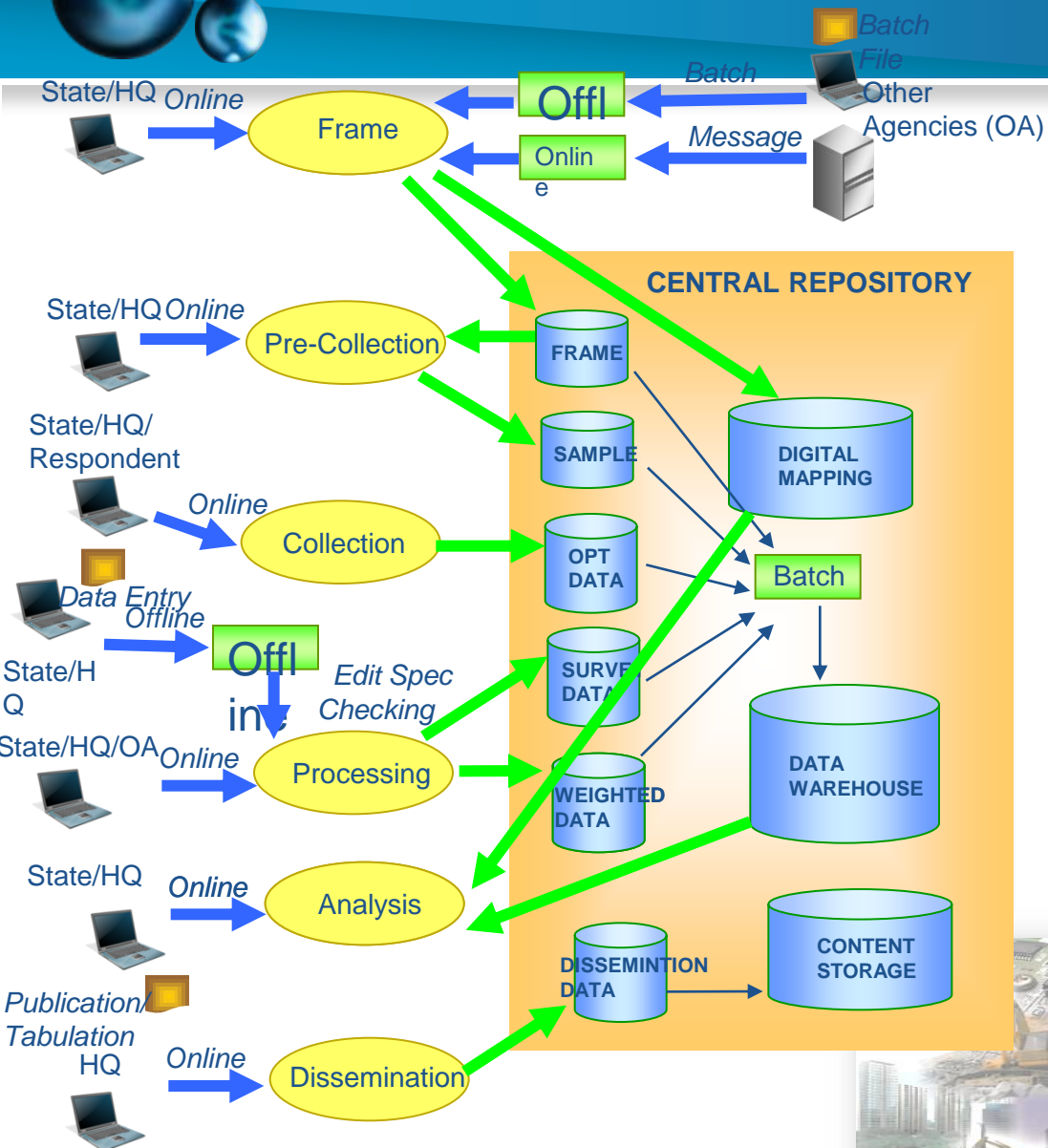
A PLATFORM



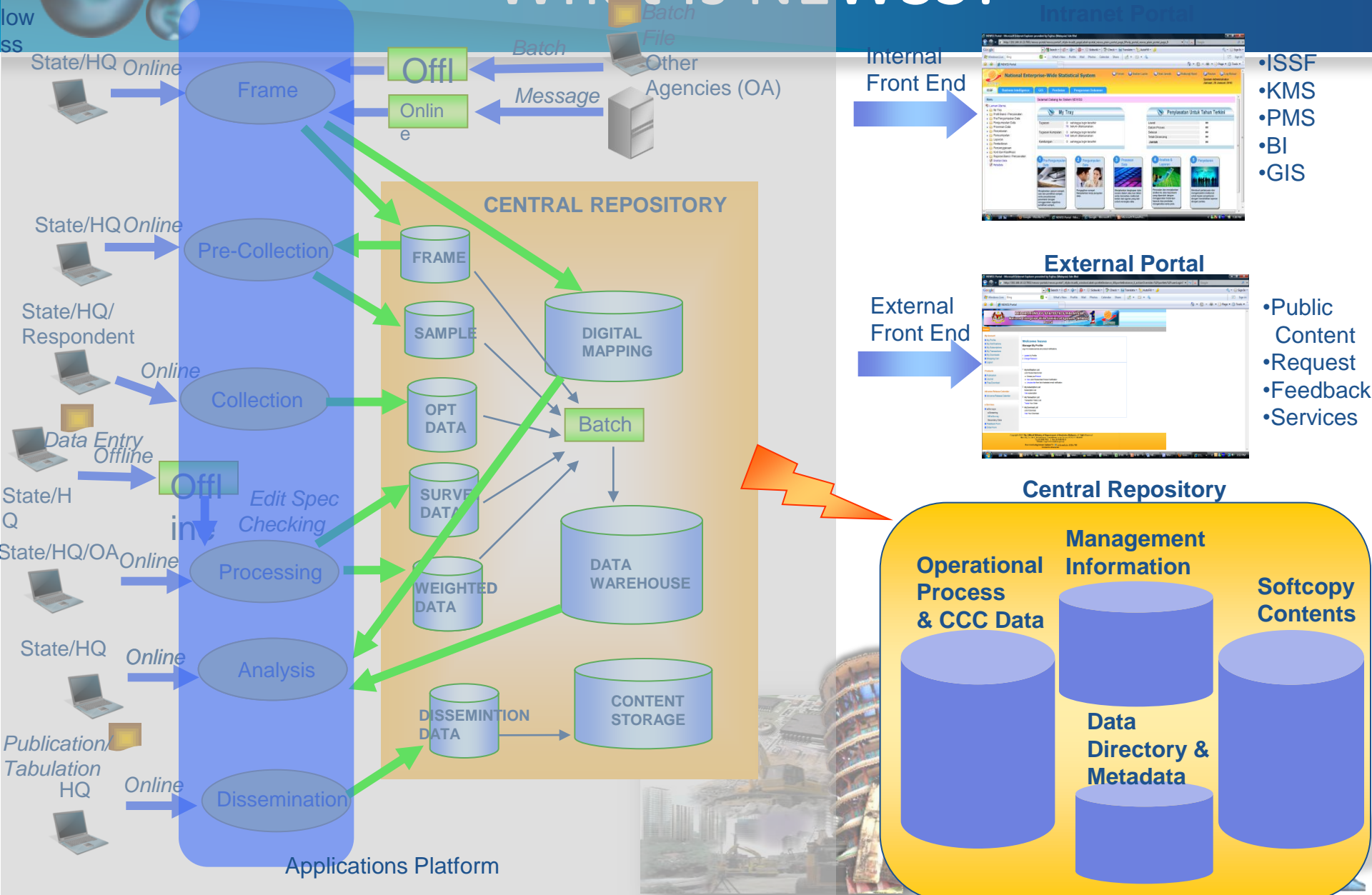
NEWSS OBJECTIVES



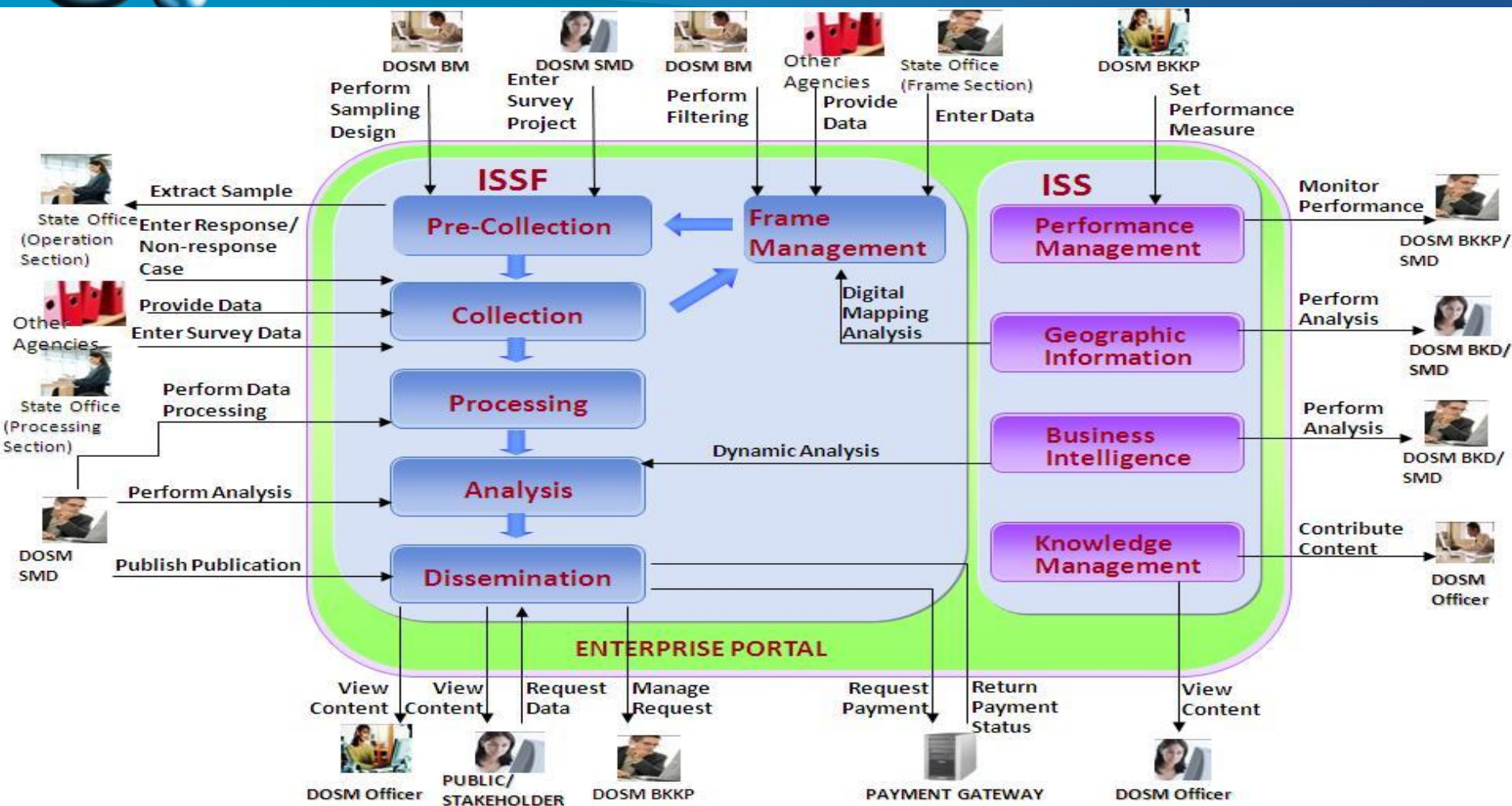
What Is NEWSSS?



What Is NEWSSS?



CONCEPTUAL FRAMEWORK



- Foundation are driven by System of National Account
- Inline with Generic Statistics Business Process Model (GSBPM)
- Designed under Integrated Statistical Systems Framework (ISSF)



INFORMATION SUPPORT SYSTEMS (ISS)

- Support and enhance the delivery of the functionalities on ISSF Applications
- Facilitate the access to the department resources
- Monitor the performance of the defined Key Performance Indicators (KPIs)
- Provide and knowledge contribution and sharing environment



2. E-SURVEY & E-CENSUS

QUARTERLY SERVICES

INTERNATIONAL TRADE IN SERVICE

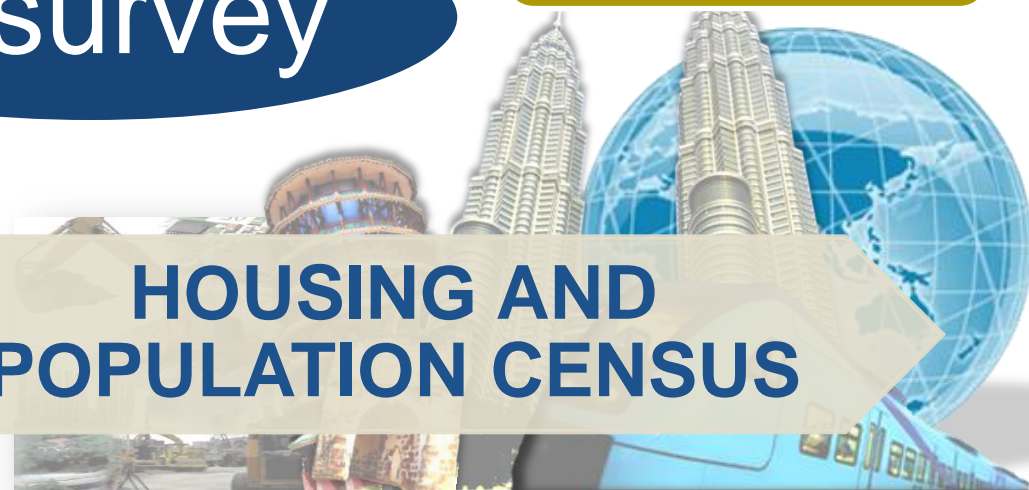
MONTHLY MANUFACTURING

QUARTERLY EMPLOYMENT SURVEY

e - survey

e - census

HOUSING AND POPULATION CENSUS



KEY CHALLENGES

DATABASE

CENTRAL
REPOSITORIES

STANDARDISED GLOBAL
EXCHANGE OF MACRO
AND MICRO DATA

INFORMATION SOCIETY

DEMAND OF
INFORMATION
AT MICRO
LEVEL DATA

REDUCTION OF BUREAUCRACY

BURDEN
REDUCTION
FOR
RESPONDENTS



KEY CHALLENGES

ECONOMIC EFFICIENCY OF THE ADMINISTRATION

EXPERTISE
& MAN POWER

BUDGET

PUBLIC AWARENESS

PUBLIC RELATION

SOCIAL MEDIA





WAY FORWARD

STRENGTHENING THE BUSINESS PROCESS MODEL

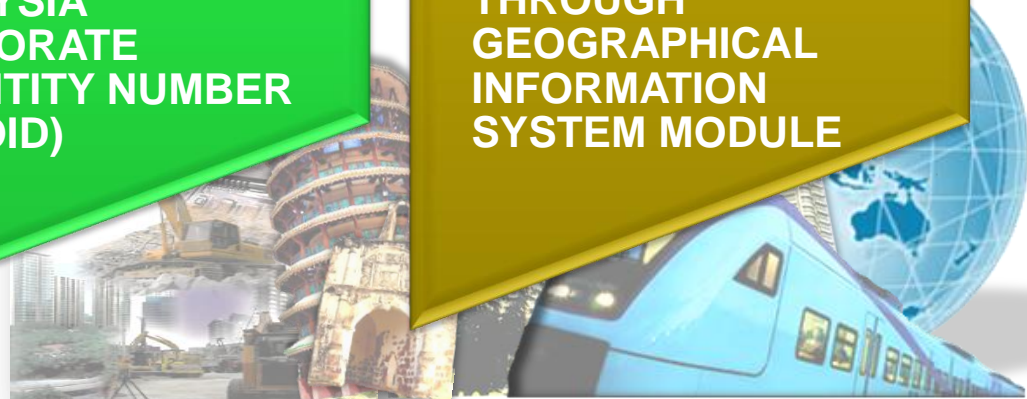
- QUALITY ASSURANCE TO PRODUCE OFFICIAL STATISTICS ALIGN WITH GSBPM
- STANDARDISATION OF TERMINOLOGY BETWEEN PROCESSES AND ORGANISATION

ENHANCING THE USE OF ADMINISTRATIVE DATA SOURCES

- MOU TO STRENGTHEN RELATIONSHIP AND SMART PARTNERSHIP
- MALAYSIA CORPORATE INDENTITY NUMBER (MyCOID)

KEEPING THE FRAME UP TO DATE

- GEOSPATIAL DATA AS SOURCE TO UPDATE FRAME
- INTEGRATED LISTING MODULE (INLIS) - FURTHER UPDATE THROUGH GEOGRAPHICAL INFORMATION SYSTEM MODULE





WAY FORWARD

REDUCE RESPONDENT BURDEN

- AN INTERGRATED SYSTEM DESIGNED FOR DATA COLLECTION AND REGISTER
- INTERGRATED QUESTIONAIRE

IMPROVISE DATA COLLECTION & PROCESSING METHOD USING MODERN ICT

- ENHANCING E-SURVEY & E-SERVICES
- NEW GADGET OR TECHNOLOGY FOR DATA COLLECTION & PROCESSING

ESTABLISHING BUSINESS DEMOGRAPHY STATISTICS AND BUSINESS PROFILING

- COLLABORATE WITH CCM FOR BD STATISTICS
- ENTERPRISE MODULE IN NEWSS





CONCLUSION

To further nation's progress, policymakers and users need economic and social statistics

DOSM has taken active response to the challenges ahead and the need from the policymakers and planners through implementation of The Strategic Plan 2010 -2014

The plan is to ensure DOSM remains relevant with the function as outlined in the act and to achieve the vision to be the leading statistical agency internationally by the year 2020.



THANK YOU

**DEPARTMENT OF STATISTICS
MALAYSIA (DOSM)**