KEMENTERIAN EKONOMI
JABATAN PERANGKAAN MALAYSIA

MALAYSIA'S EXPERIENCE IN APPLYING GENERIC STATISTICAL BUSINESS PROCESS MODEL (GSBPM)

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DEPARTMENT OF STATISTICS, MALAYSIA

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What is GSBPM?

Generic Statistical Business Process Model (GSBPM) is an international standard model that "**describes and defines the set of business processes needed to produce official statistics.**"

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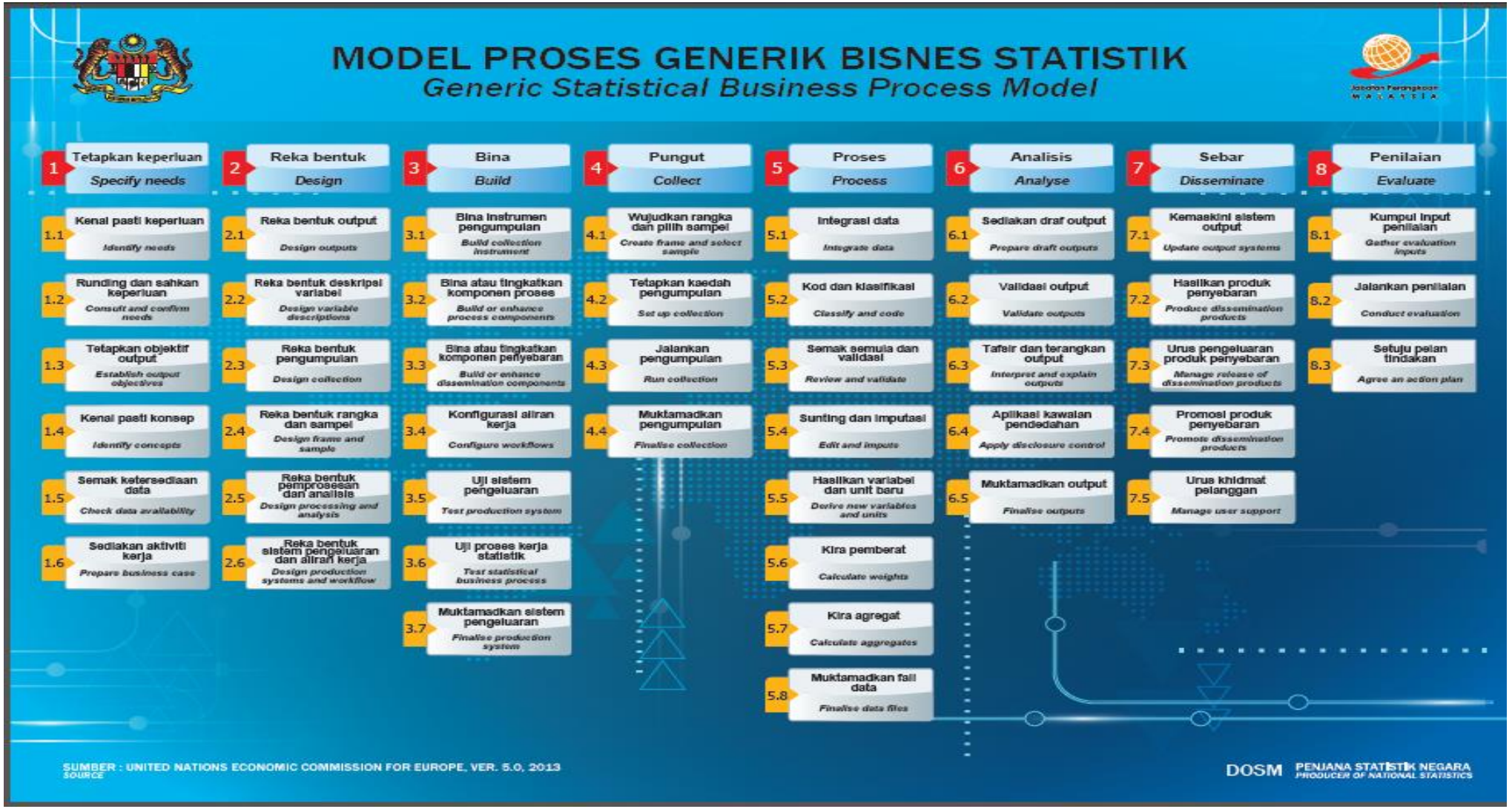
DOSM GSBPM Version 5.0

Process

Phase

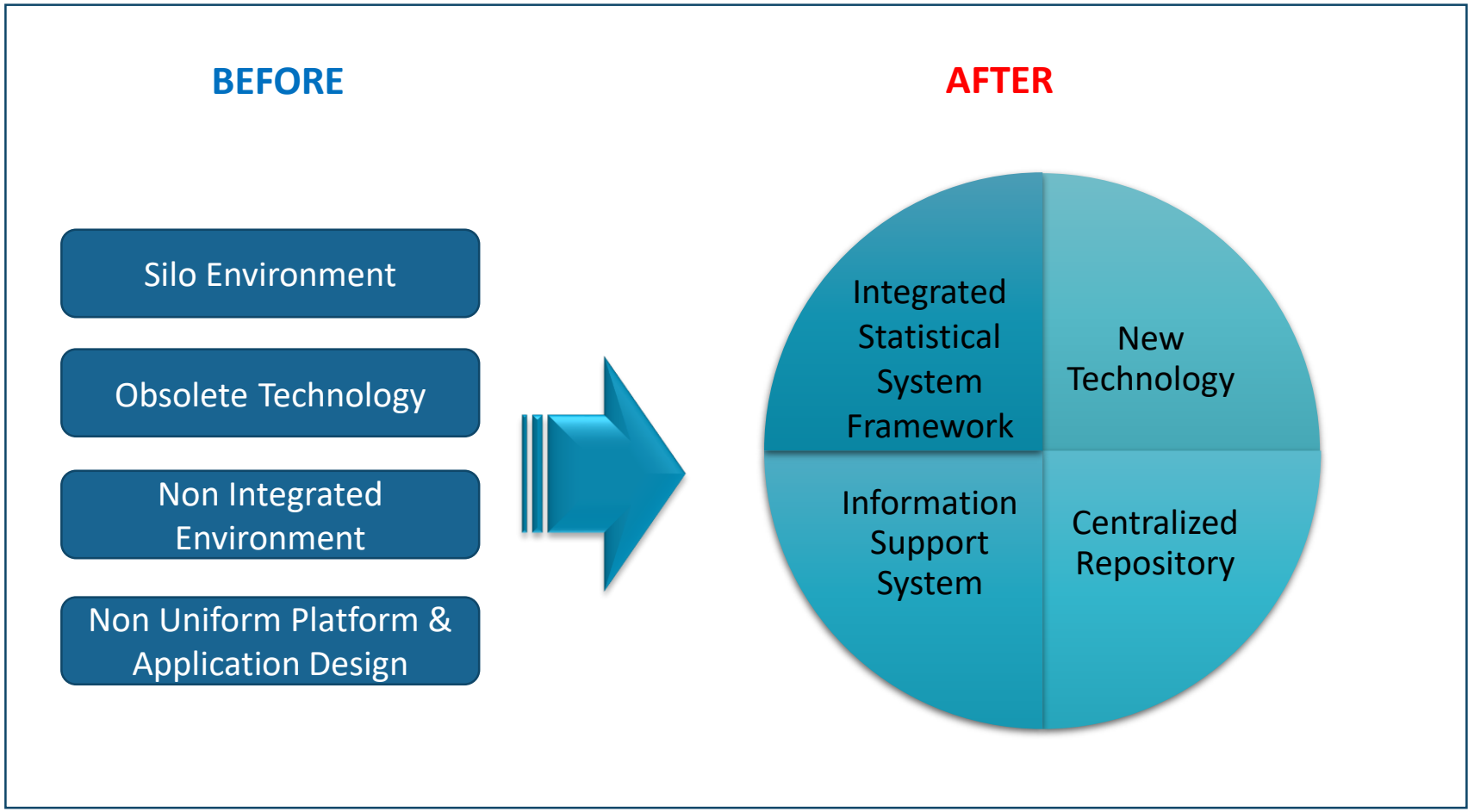
Sub - process



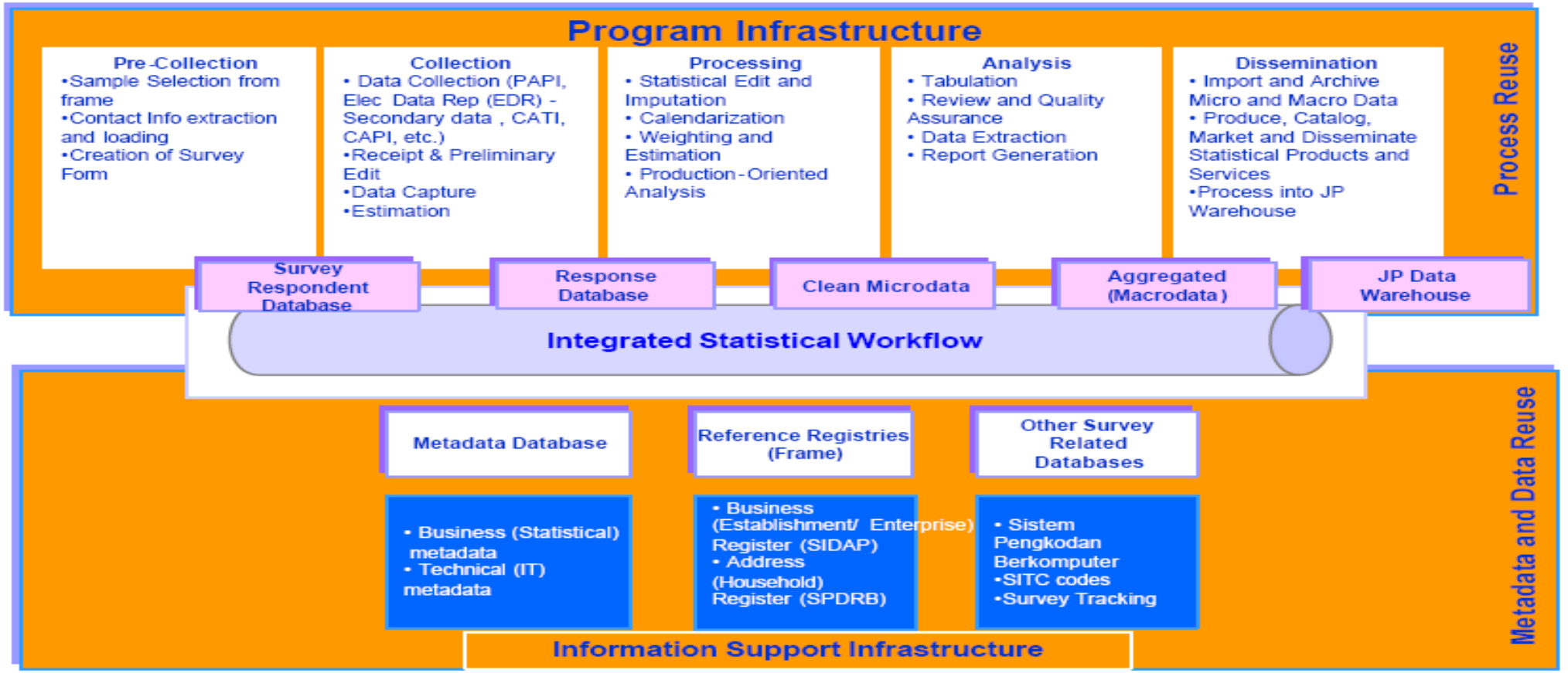
GSBPM
in DOSM Environment

NEWSS - Vision

An integrated statistical system framework for common system across DOSM

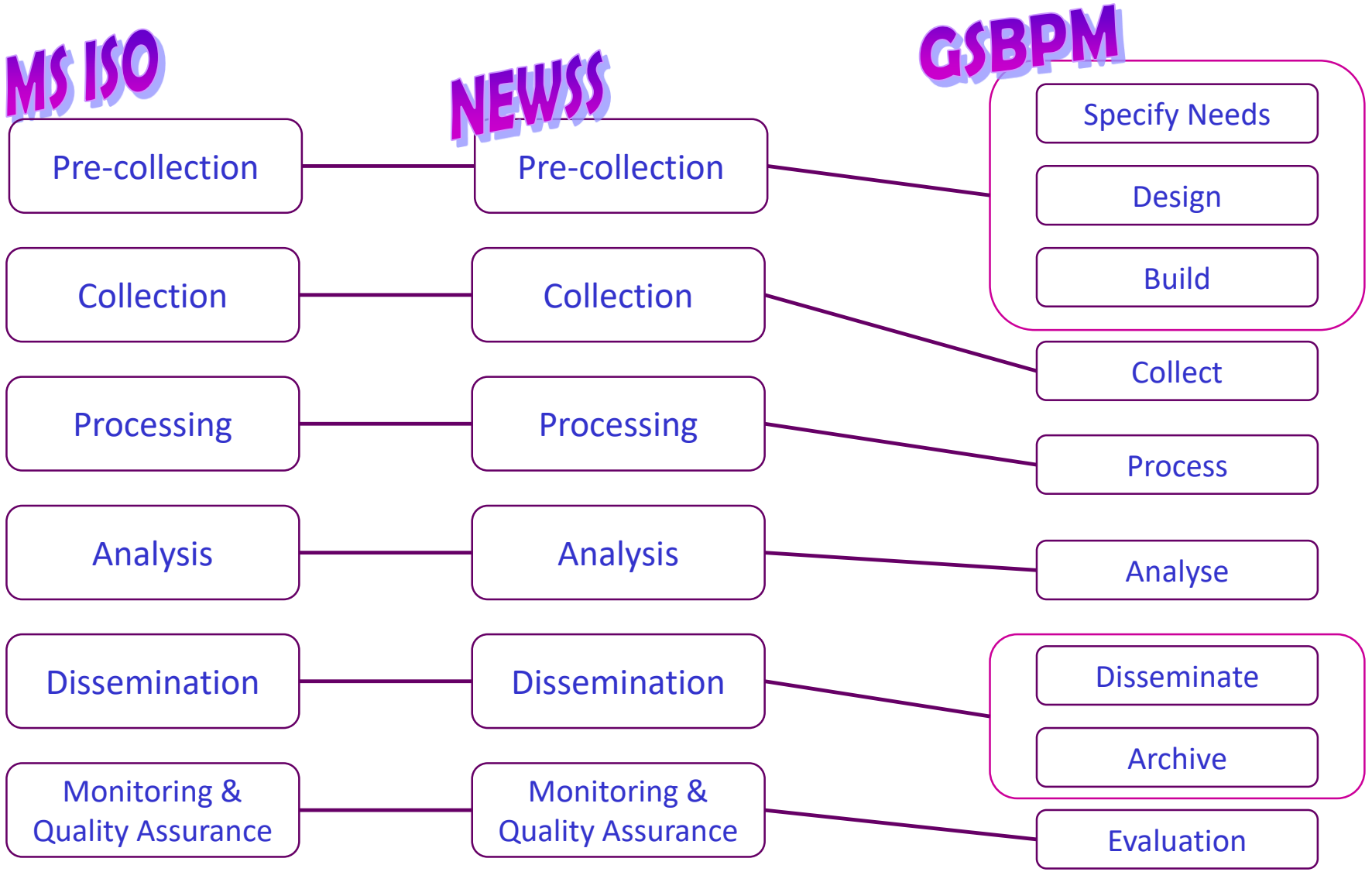


Integrated Statistical Systems Framework

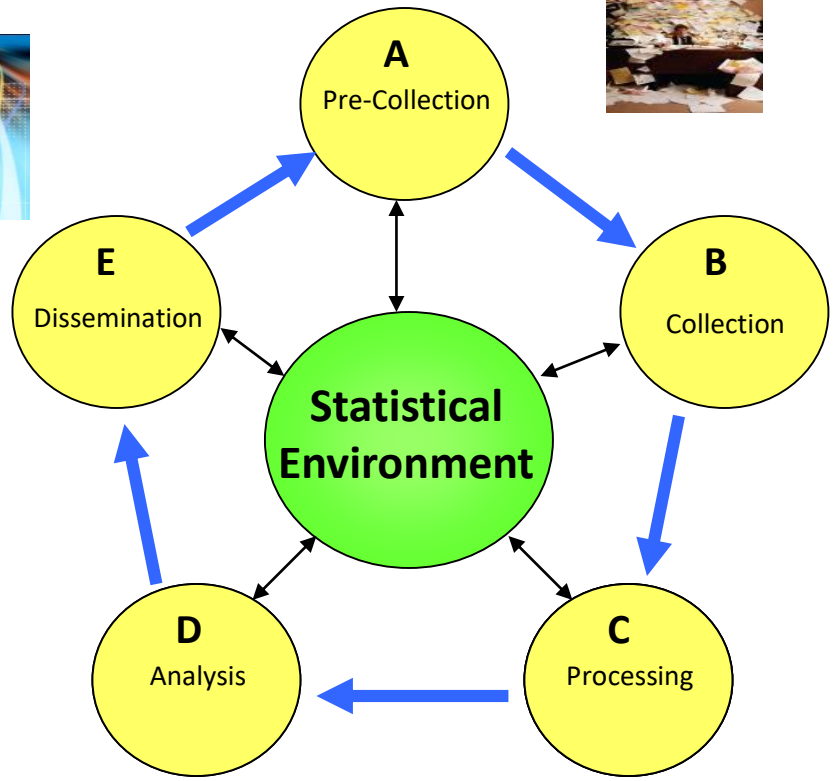


Source : DOSM

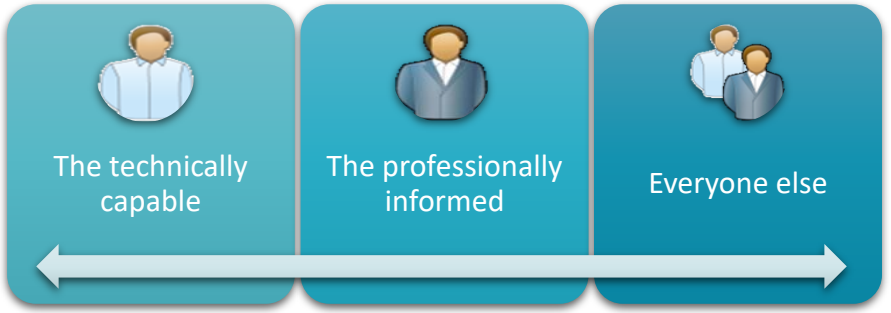
Mapping to GSBPM



Survey Process in the NEWSS Environment



A PLATFORM



Survey Process

Specify Need

- Identify requirement from user
- Users and stakeholders requirement taken into account
- Concepts identified are internationally comparable, revised when necessary – to ensure align with international standards. These include definitions, codes (MCPA, MSIC) and manual (e.g. SNA).

Design

- Variable descriptions – determined by user, follow international standards
- Design data collection methodology
- Population of interest is identified -Frame sources from Malaysia Statistical Business Register (MSBR), Malaysia Statistical Address Register (MSAR).

Build

- Build data collection instrument based on specifications . Multiple modes of data collection used – questionnaire : face to face interview , mail, CATI and e-survey.
- Workflows configured include all activities – from data collection, right through to archiving the final statistical outputs.
- Testing of computer systems and tools conducted thoroughly to ensure the interactions between modules involved works as a coherent set of modules.

Survey Process

Collect

◈Sample selected from sampling frame.

◈Strategy, planning and training activities prepared and conducted in compliance with MS ISO procedures.

◈Data collected stored automatically in the system for further processing phase.

Process

◈Input data classified and coded within the system.

◈Errors and data discrepancies (outliers, non-response & miscoding)
◈identified and validated within the system.

◈Imputation routines done automatically by the system for non-response cases,
◈according to pre-defined methods.

◈Estimation of the sample survey using sampling weight to be representative of the target population.

Analyse

◈ Data collected transformed into statistical outputs.

◈Validating the outputs produced, in accordance with the quality check procedures described in the MS ISO 9001:2008.

◈Improvement in carrying out in-depth statistical analysis to assess how well the statistics reflect the initial expectations.

◈Output finalized after the completion of relevant processes (consistency checks, determine level of release, collating supporting information, etc) and reached the required quality level.

Survey Process

Disseminate

◈System updated regularly parallel to the completion of data processing at time stipulated by user.

◈Press release of the products uploaded to the website at the embargo time and also on stipulated date in the Advance ◈ Release Calendar (compliant to SDDS).

◈Promotion of the products is done through website (latest statistical release).

◈Customer queries and satisfactions are monitored based on quality assurance document to ensure responses are provided within agreed deadlines and follow specified workflow.

Archive

◈Standard archive rules need to be determined and established in order to ensure data and metadata resulting from the statistical business process are archived systematically and efficiently.

◈ Archive repository for data and metadata is currently not available. Data and metadata are stored in the system, but in two (2) different modules.

◈ Sub-process 8.3 and 8.4 are not yet fully implemented for Monthly Manufacturing Survey data.

Evaluate

◈ ◈ Evaluation inputs include feedback from users , staff suggestions and also internal audit. which is conducted periodically by internal auditor

◈ Audit Committee was formed to monitor the quality of all statistical business process involved in producing the outputs.

◈ The evaluation report will become the basis for decision in monitoring the quality of the outputs.

Challenges

(1) Metadata management

i. database environment
ii. stored together with data
iii. availability based on users' needs
iv. exchange and use – infrastructure

(2) Strengthening and empowerment of statisticians skills and ability in scrutinizing and analyzing the statistics produced.

(3) Needs to define and determine archive rules/procedures for statistical data and metadata resulting from a statistical business process.

Conclusion

- As a reference model for the production of statistical products.
- Ensure statistical products produced are of good quality and reliable.
- GSBPM modernizes the statistical production process.
- Comparative statistics released can be compared with other NSO.

"STATISTIK...SEGALANYA PASTI"

Tak kira walau apa
Cabaran dan aral melintang
Statistik meringankan
Segala beban yang menjelma
Gementar tiada

Bersama kita teguh hadapi
Bentala dipenuhi misteri
Namun statistik kan melindungi
Statistik petunjuk realiti

Kesejahteraan negara
Perpaduan seluruh bangsa
Dengan irama data

Tidak hanya berbicara
Pagi hingga ke senja
Semangat yang terus membara
Data dan kehidupan berteraskan harapan
dan impian kemakmuran

Segalanya PASTI
Bergalaskan strategi
Menuju aspirasi
Harapan.. Keamanan
Impian... Kedamaian

VIDEO
" STATISTIK...
SEGALANYA PASTI"

https://bit.ly/StatistikSegalanyaPasti

TERIMA KASIH

BANCI EKONOMI 2023
DATA PEMANGKIN EKONOMI NEGARA

20 OKT

2016 - 2030

PSSN

MALAYSIA MADANI

StatsMalaysia

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