جهــــاز التخطيــط والإحصــاء
Planning and Statistics Authority

Report on

The First Webinar Organized by Planning & Statistics Authority on Using Generic Statistical Business Process Model (GSBPM) In Official Statistics

Doha – 11-12 August 2020

Within the framework of the efforts made by the Planning and Statistics Authority (PSA) to modernize the national statistics system in the country, it organized a two-days webinar on the use of the "Generic Statistical Business Process Model (GSBPM)", from 11-12 August 2020. The webinar was attended by around 30 participants from the State of Qatar, and some Arab countries. The Generic Statistical Business Process Model (GSBPM) is a reference guide that displays and defines the set of business processes needed to produce high-quality official statistics of all kinds. It also provides a standard framework and standard terminology that help statisticians modernize their comparable statistical processes. It can also be used for integrating data and metadata standards in order to document processes, harmonize the infrastructures of statistical computing, and provide a framework for assessing and improving the quality of the statistical process in the short term. This Model can also be used flexibly in all statistical processes, since it is not a rigid framework.

Although GSBPM follows the logical sequence of steps in most statistical business processes, it can follow an actual sequence. The elements of the model may occur in different orders in different circumstances according to the multiple data sources that we deal with. Also, some sub-processes can be skipped, repeated and revisited, forming iterative loops, particularly within the Process and Analysis phases. There are some phases that are done quickly and frequently, while other phases are executed less often. Therefore, we have to be aware that the methodology may take many possible paths. In this way, the GSBPM methodology is widely applicable as it is standardized for statistical process flow. Moreover, it can be dealt with many other models such as the Generic Activity Model for Statistical Organizations (GAMSO) and the Generic Statistical Information Model (GSIM). It should be noted that GSBPM has been used in more than 60 statistical institutions worldwide for at least 10 years, and it is used in many areas, the most important of which are:

- Statistical production management in its various phases from various data sources, describing and standardizing the statistical process;
- Statistical data quality management which includes quality assessment and control mechanisms. It recognizes the importance of evaluation and feedback throughout the statistical business process;
- Metadata management and processing within each phase of statistical business. This includes process-independent considerations such as metadata custodianship and ownership, quality, archiving rules, preservation, retention and disposal;
- Data management which includes process-independent considerations such as general data security, custodianship and ownership, data quality, archiving rules, preservation, retention and disposal;
- Process data management - This includes activities of registering, systematizing and using data about the implementation of the statistical business process. Process data can aid in detecting and understanding patterns in the data collected, as well as in evaluating the execution of the statistical business process as such;
- Knowledge management - This ensures that statistical business processes are repeatable, mainly through the maintenance of process documentation;

- Partner and cross-process management, such as the contact information and maintaining related registers.
- Making better decisions regarding production processes and resource organization.

Applicability of GSBPM

GSBPM is applicable to all activities undertaken by producers of official statistics that result in statistical outputs, including:

- National and international statistical agencies.
- Development and maintenance of statistical registers
- All kinds of data sources:
    - Surveys of all kinds
    - Administrative records
    - Censuses of all kinds
    - Other non-statistical or mixed sources

GSBPM Structure

GSBPM structure comprises three levels (See figure No. 1):

- Level 0, the statistical business process, quality, and the metadata management.;
- Level 1, the eight phases of the statistical business process;
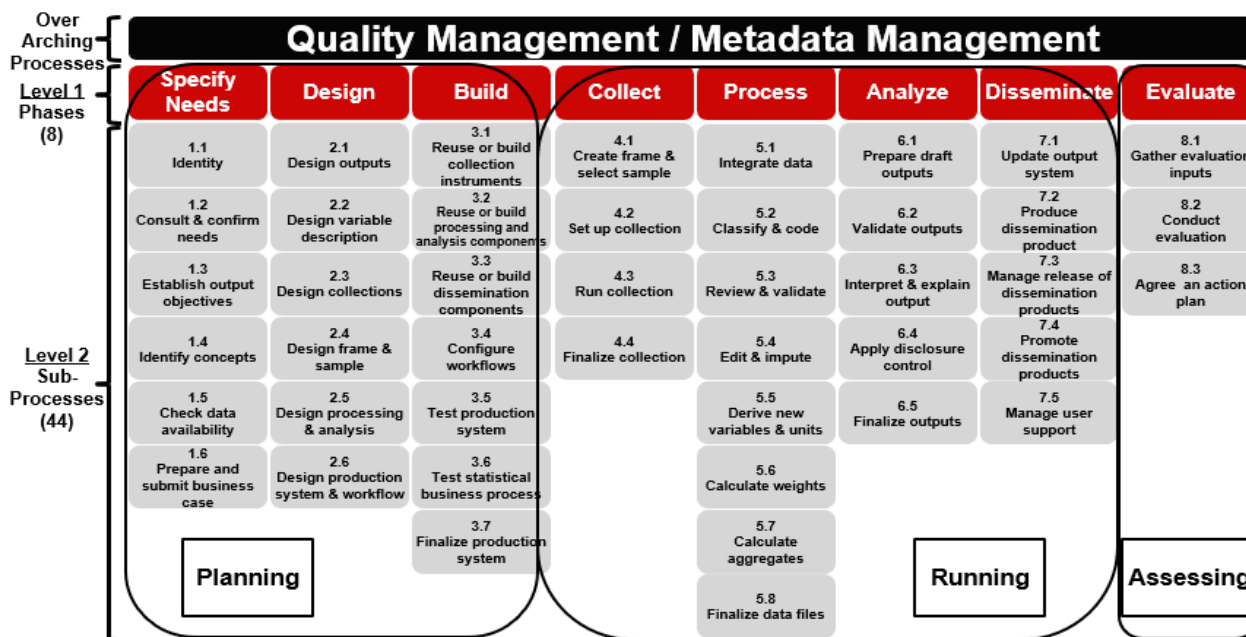- Level 2, the sub-processes within each main phase.

Figure 1: Generic Statistical Business Process Model

Conclusion:

1. It can be said that GSBPM is a common language used to harmonize statistical processes within the statistical organizations in order to implement and manage them according to an agreed methodology that produces high-quality data, as well as to manage metadata on a regular basis, especially in publishing, saving and providing it to the users.

2. GSBPM enables users to define data quality indicators in all statistical sub-processes, and also enables us to make the necessary national adjustments to the specified phases.

3. The Handbook of Statistical Organization issued by the United Nations Statistics Division deals with GSBPM and recommends its use in the statistical production processes that take place within the official statistics system.
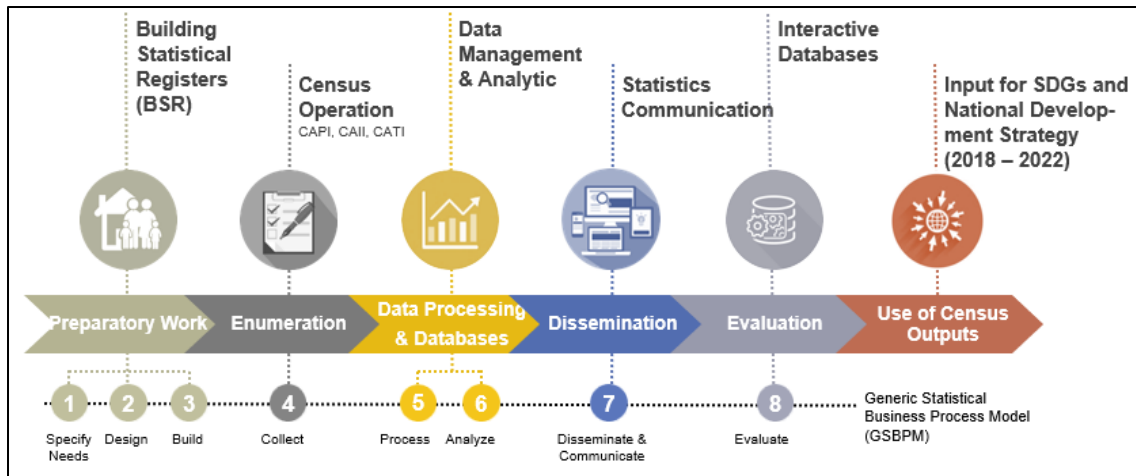

Figure 2: GSBPM Application to Qatar Census 2020