



جهاز التخطيط والإحصاء
Planning and Statistics Authority
Report on

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

25 November 2020

Introduction:

As a way of complementing the efforts of the Planning and Statistics Authority (PSA) to modernize the national statistics system in the country, and in order to ensure the provision of an agreed path and methodology at the national level, PSA organized, on November 25, the second webinar on the use of the "Generic Statistical Business Process Model (GSBPM)" Version 5.1. The webinar was attended by 52 Participants from the State of Qatar representing various departments and ministries.

GSBPM Description:

The aforementioned model is a reference guide that displays and defines the set of business processes needed to produce high-quality official statistics 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 and harmonize the infrastructures of statistical computing, and it 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 is flexible and can be dealt with many other models such as the Generic Activity Model for Statistical Organizations (GAMSO) and the Generic Statistical Information Model (GSIM).

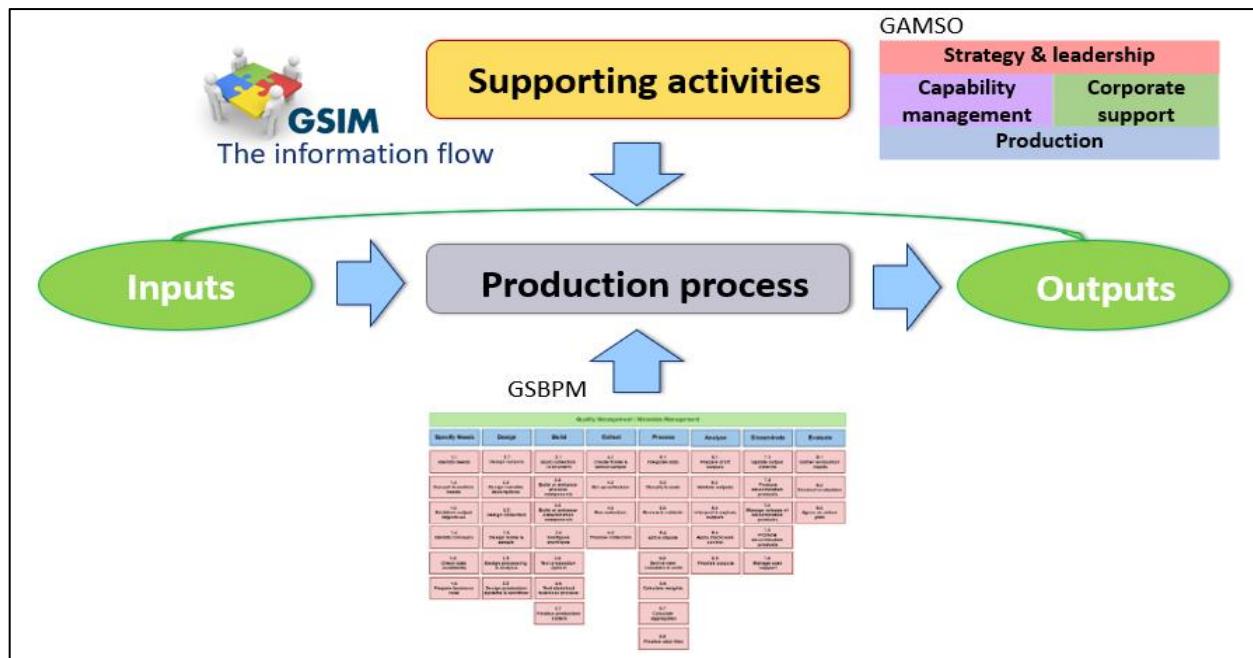


Figure 1: GSBPM relationship to other models

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.

GSBPM is intended to apply to all activities undertaken by producers of official statistics that result in statistical outputs, at both the national sectoral statistical agencies. GSBPM also contributes to the development and maintenance of statistical registers from all their sources; such as survey data of all kinds, administrative records, population, as well as economic and agricultural censuses, and from mixed statistical sources, and it can deal with geospatial aspects.

GSBPM structure comprises three levels:

- 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.

Webinar Agenda:

The webinar agenda consisted of 4 presentations that dealt with the following topics:

1. Generic Statistical Business Process Model presented by Dr. Ahmed Hussein, the Planning and Statistics Authority (see Figure No. 2).
2. GSBPM Application to the process of producing prices and indices in the State of Qatar 2020, prepared and presented by Mrs. Asma Sweilem , the Planning and Statistics Authority (see Figure 3).

3. GSBPM Application to the implementation of the Population and Housing census in the Republic of Tunisia for the year 2014, prepared and presented by Mrs. Nadia Tawihri, the National Institute of Statistics in the Republic of Tunisia (see Figure 4).
4. GSBPM Application to a statistical survey in the State of Palestine prepared and presented by Mr. Khaled Hantouli, the Palestinian Central Bureau of Statistics (see Figure 5).

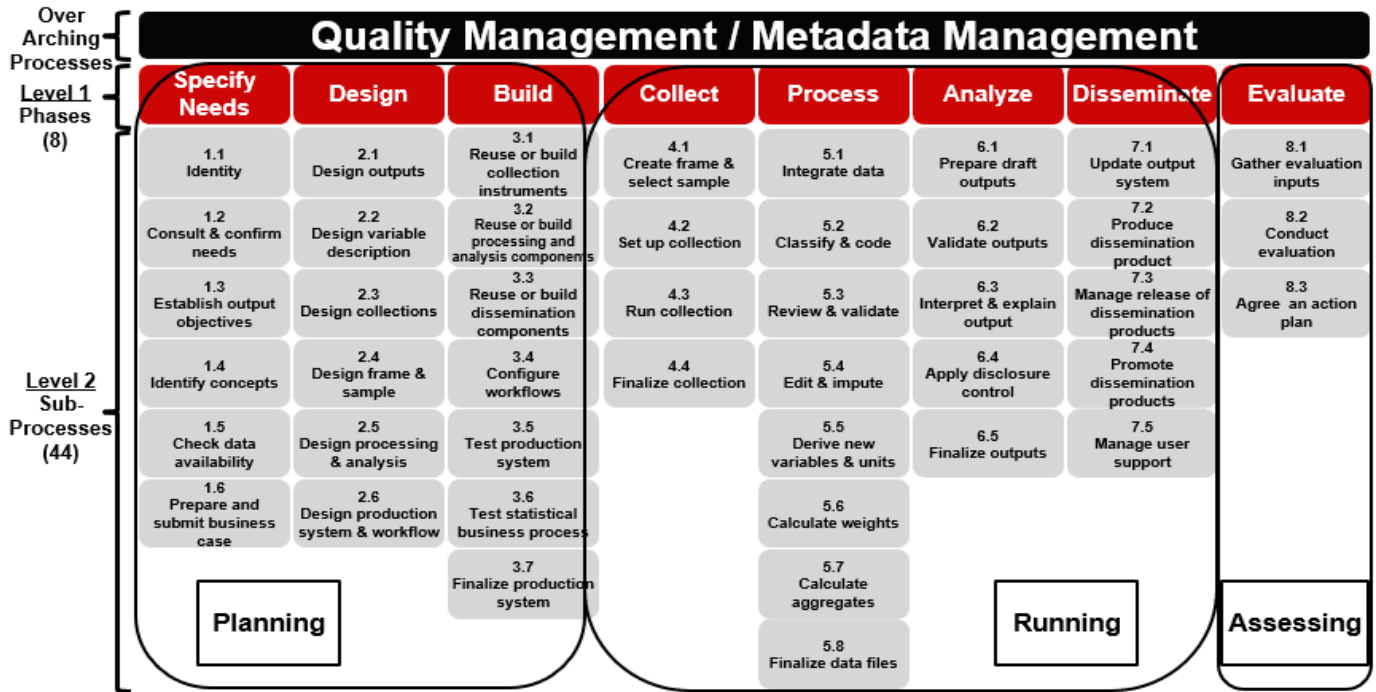


Figure 2: Generic Statistical Business Process Model

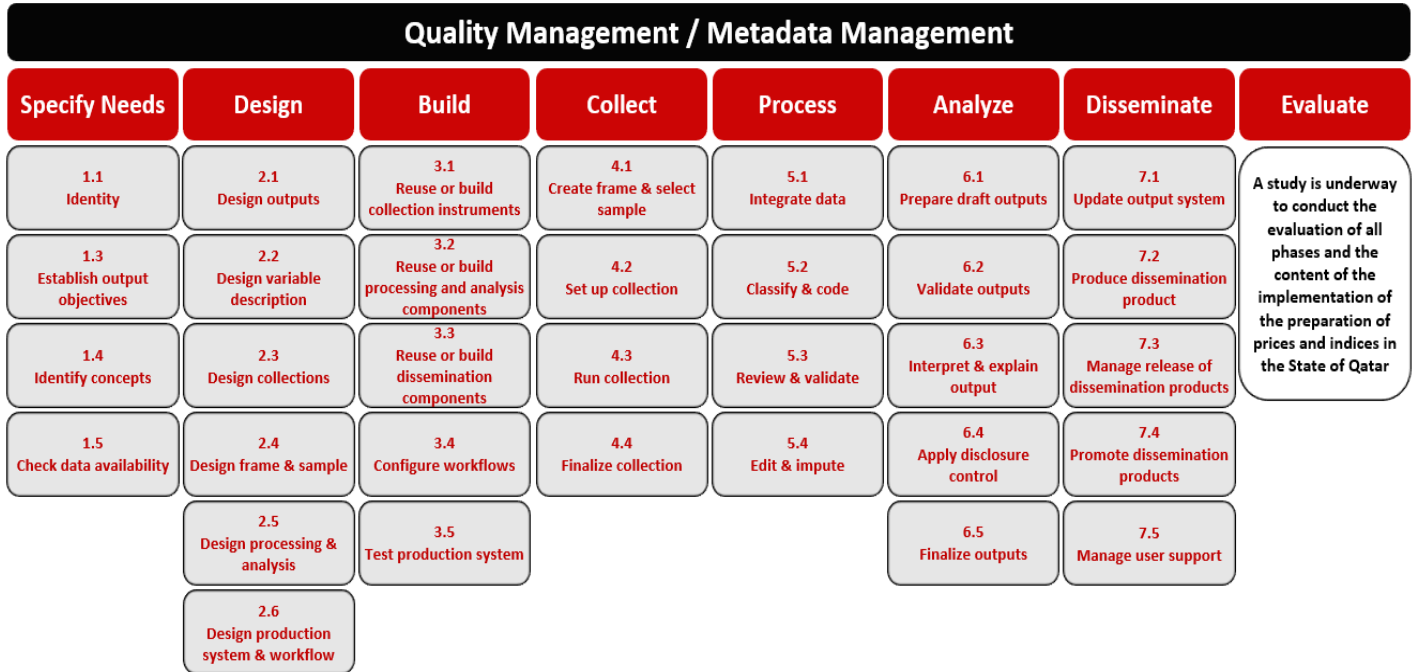


Figure 3: GSBPM Application to the CPI production process in Qatar 2020

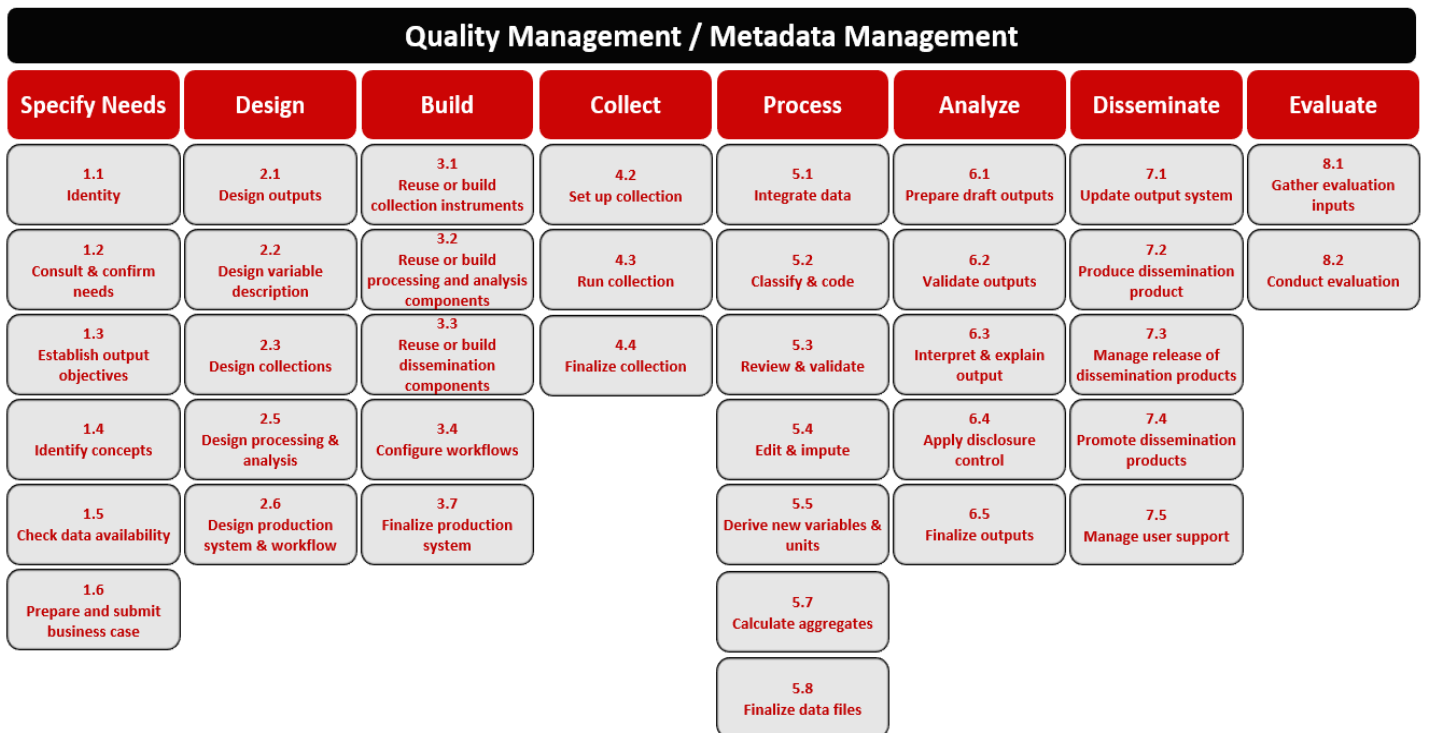


Figure 4: GSBPM Application in Tunisia Census 2014

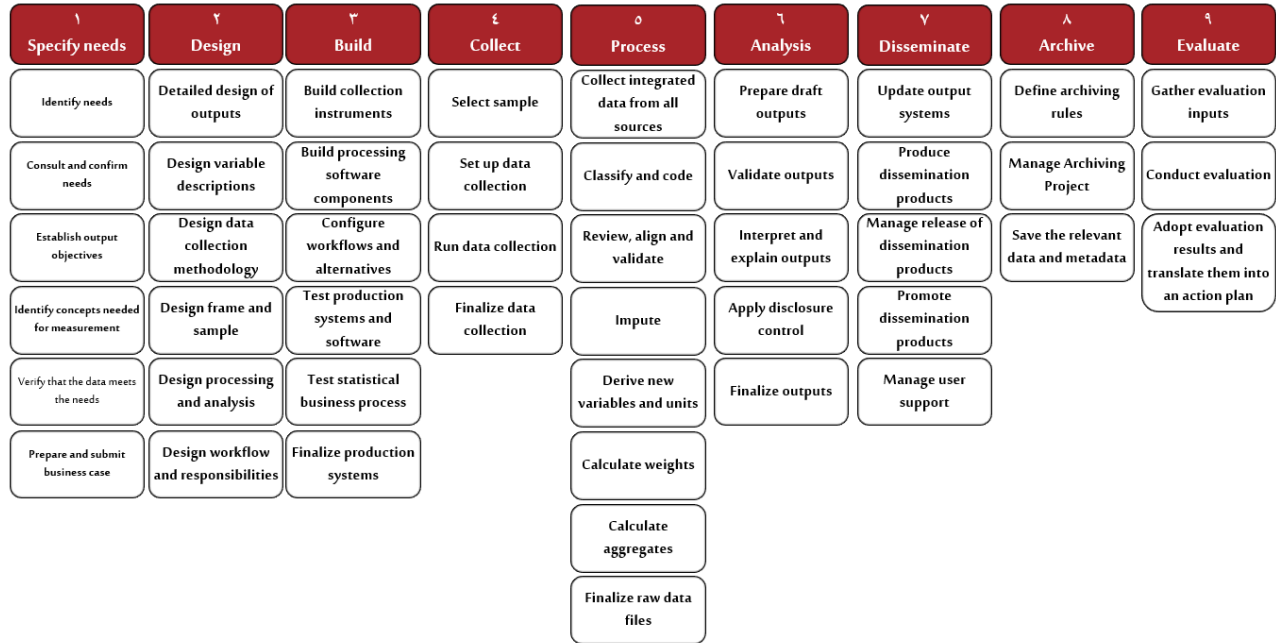


Figure 5: Standard model for planning and implementing a statistical survey of the Palestinian Central Bureau of Statistics

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.
2. GSBPM contributes to managing metadata on a regular basis, especially in publishing, saving and providing it to the users.
3. GSBPM enables users to define data quality indicators in all statistical sub-processes, and also enables them to make the necessary national adjustments to the specified phases.
4. 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 system¹.
5. The United Nations National Quality Assurance Frameworks Manual for Official Statistics (UN NQAF Manual) issued in 2019 emphasized the use of the GSBPM and other supporting models in implementing statistical processes².

¹ <https://unstats.un.org/unsd/statcom/49th-session/documents/2018-5-Handbook-E.pdf>

² <https://unstats.un.org/unsd/methodology/dataquality/un-nqaf-manual/>

Annex 1: Agenda of "Webinar on Using Generic Statistical Business Process Model (GSBPM)"

25 November 2020

10:00 am – 12:00 pm

Time	Presenter	Agency	Topic
10:00 – 10:45	Dr. Ahmed Hussein	PSA	GSBPM
10:45 – 11:00	General Questions on GSBPM		
11:00 – 11:10	Mrs. Asma Sweilem	PSA	GSBPM Application to the process of producing prices and indices in the State of Qatar 2020
11:10 – 11:20	Mrs. Nadia Tawihri	National Institute of Statistics (Tunisia)	GSBPM Application to Tunis Census 2014
11:20 – 11:30	Mr. Khaled Hantoly	Palestinian Central Bureau of Statistics	Standard model for planning and implementing a statistical survey
11:30 – 12:00	General Questions		