

Workshop on the Implementation of a National Quality Assurance Framework for Official Statistics in countries of the Africa Region

Addis Ababa, Ethiopia, 14-18 October 2019

Session 5.2: Other relevant practices: use of Generic Statistical Business Process Model

Slides by M. Guerrero



What is the GSBPM?

- Flexible model that describes and defines
 the set of business processes needed to
 produce official statistics
- Standard framework and harmonised terminology to help statistical organisations (internally and externally)
 - Modernise statistical production processes
 - Share methods and components

Overarching Processes

Overal ching r locesses							
Specify Needs	Design	Build	Collect	Process	Analyse	Disseminate	Evaluate
1.1 Identify needs	2.1 Design outputs	3.1 Reuse or Build collection instrument	4.1 Create frame & select sample	5.1 Integrate data	6.1 Prepare draft outputs	7.1 Update output systems	8.1 Gather evaluation inputs
1.2 Consult & confirm needs	2.2 Design variable descriptions	3.2 Reuse or Build processing & analysis components	4.2 Set up collection	5.2 Classify and code	6.2 Validate outputs	7.2 Produce dissemination products	8.2 Conduct evaluation
1.3 Establish output objectives	2.3 Design Collection	3.3 Reuse or build dissemination components	4.3 Run collection	5.3 Review and validate	6.3 Interpret & explain outputs	7.3 Manage release of dissemination products	8.3 Agree on an action plan
1.4 Identify concepts	2.4 Design frame & sample	3.4 Configure workflows	4.4 Finalise collection	5.4 Edit & impute	6.4 Apply disclosure control	7.4 Promote dissemination products	
1.5 Check data availability	2.5 Design processing & analysis	3.5 Test production system		5.5 Derive new variables & units	6.5 Finalise outputs	7.5 Manage user support	
1.6 Prepare and submit business case	2.6 Design production systems & workflow	3.6 Test statistical business		5.6 Calculate weights	GS	SPBM Ver	5.1
		3.7 Finalise production		5.7 Calculate aggregates	Ja	anuary 20	19
		system		5.8 Finalise data		Slides by M.	Guerrero

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Structure of the Model

Process

8.1 Gather evaluation inputs 8.2 Conduct evaluation

8.3 Agree on an action plan

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Sub-processes



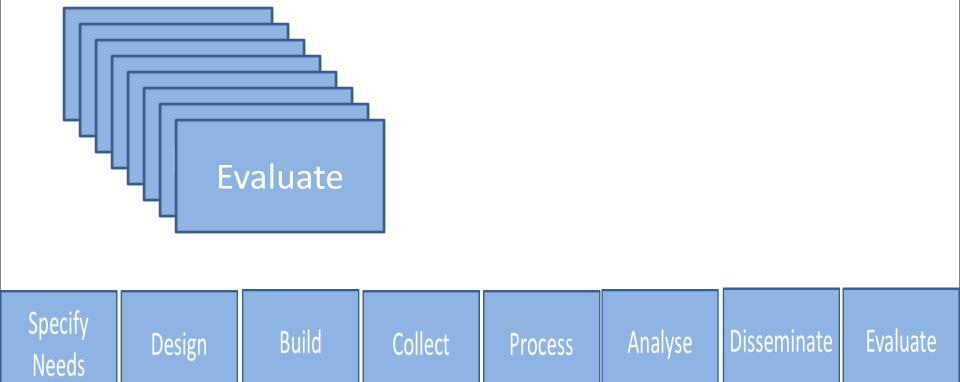
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Overarching Processes

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Eight Phases of the GSBPM

Specify Needs

1.1 Identify needs 1.2 Consult and confirm needs 1.3 Establish output objectives

1.4 Identify concepts

1.5 Check data availability 1.6
Prepare and
submit business
case

This phase is *triggered* when

- a need for new statistics is identified, or
- feedback about current statistics initiates a review.

It includes all activities associated with

- Engaging customers to identify their detailed statistical needs
- Proposing high level solution options
- Preparing business cases to meet these needs.

Application Notes:

The GSPBM is a "matrix" of sub-processes through which there are many paths--

- 1. Phases are sequential, but for some processes not all phases are essential
- 2. Sub-processes within a phase are ndo not necessarily have to be followed sequentially
- 3. Sub-processes within and across phases may have an iterative order or a loop.

Overarching Processes

specify A. Statistical Process Described using GSBPM aluate

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Applies to ...

- All activities undertaken by producers of official statistics which result in data outputs
- All statistical domains
- National and international statistical organisations

Quality indicators are needed ...

Quality indicators have to be identified (or developed) in order to measure the compliance with the respective quality principles and requirements.

Establish indicators for assessing the statistical business process and output by linking to the GSBPM (and GAMSO)

Specify Needs

1.1 Identify needs 1.2 Consult and confirm needs 1.3 Establish output objectives

1.4 Identify concepts 1.5 Check data availability 1.6 Prepare and submit business case

Quality Dimension	Indicator
Relevance	 To what extent have stakeholders been identified and included in discussions about statistical needs?
	 To what extent has relevant supporting documentation been gathered?

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THANK YOU