

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

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	<div><h2>GSPBM Ver 5.1</h2><h3>January 2019</h3><div>Slides by M. Guerrero</div><div>Slides by M. Guerrero</div></div>
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			
		3.7 Finalise production system		5.7 Calculate aggregates			
				5.8 Finalise data files			

GSPBM Ver 5.1
January 2019

Slides by M. Guerrero
Slides by M. Guerrero

Structure of the Model

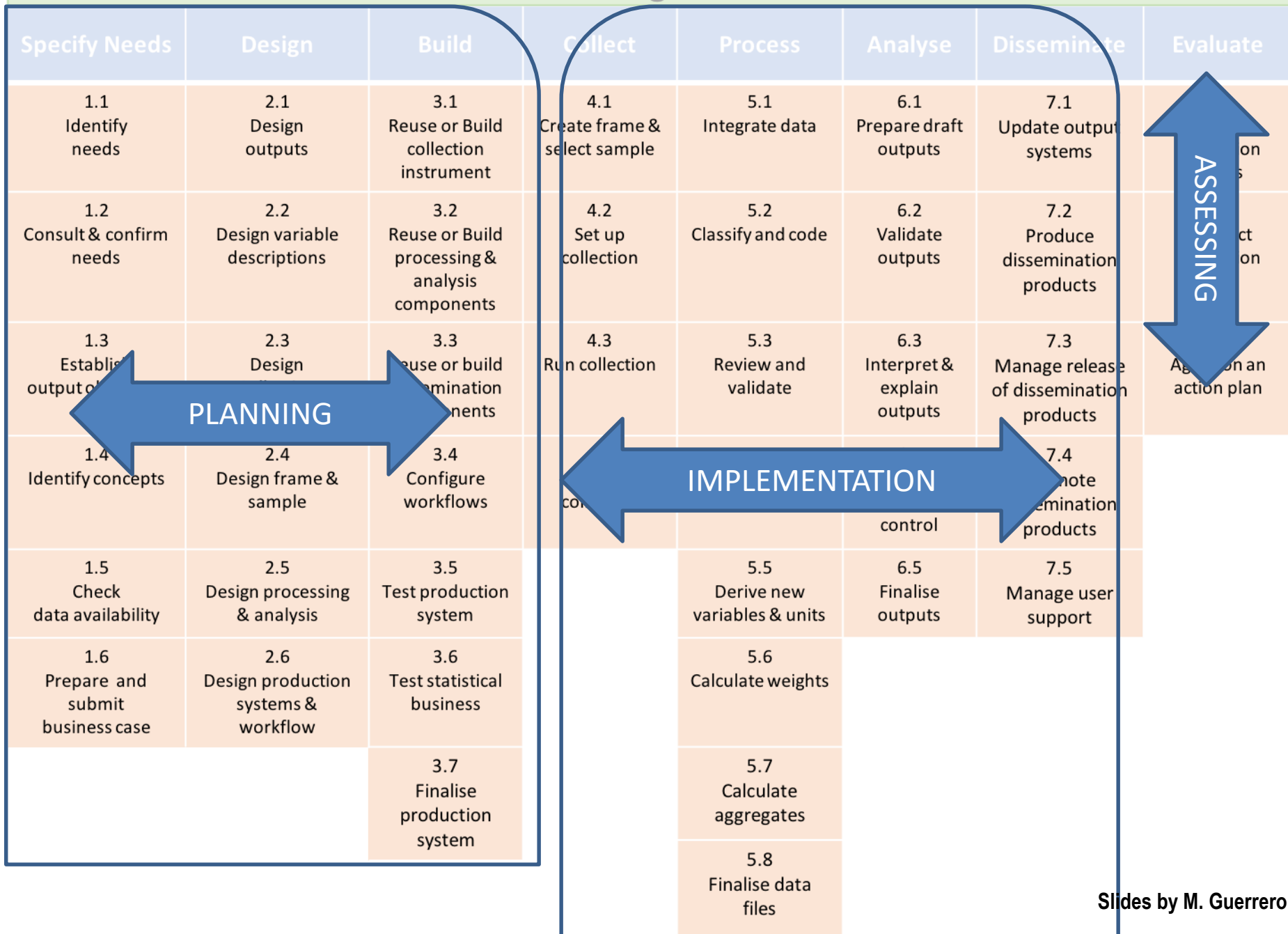
Process

Phases

Overarching Processes

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			
		3.7 Finalise production system		5.7 Calculate aggregates			
				5.8 Finalise data files			

Overarching Processes





Specify
Needs

Design

Build

Collect

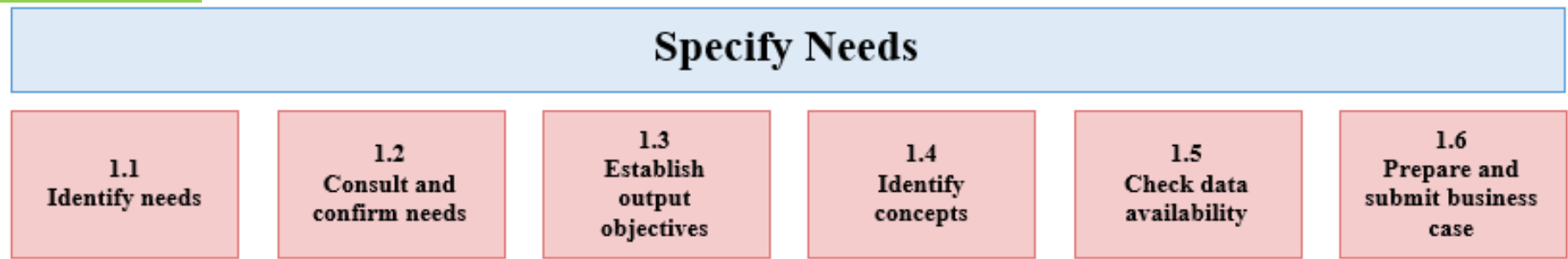
Process

Analyse

Disseminate

Evaluate

Eight Phases of the GSBPM



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.

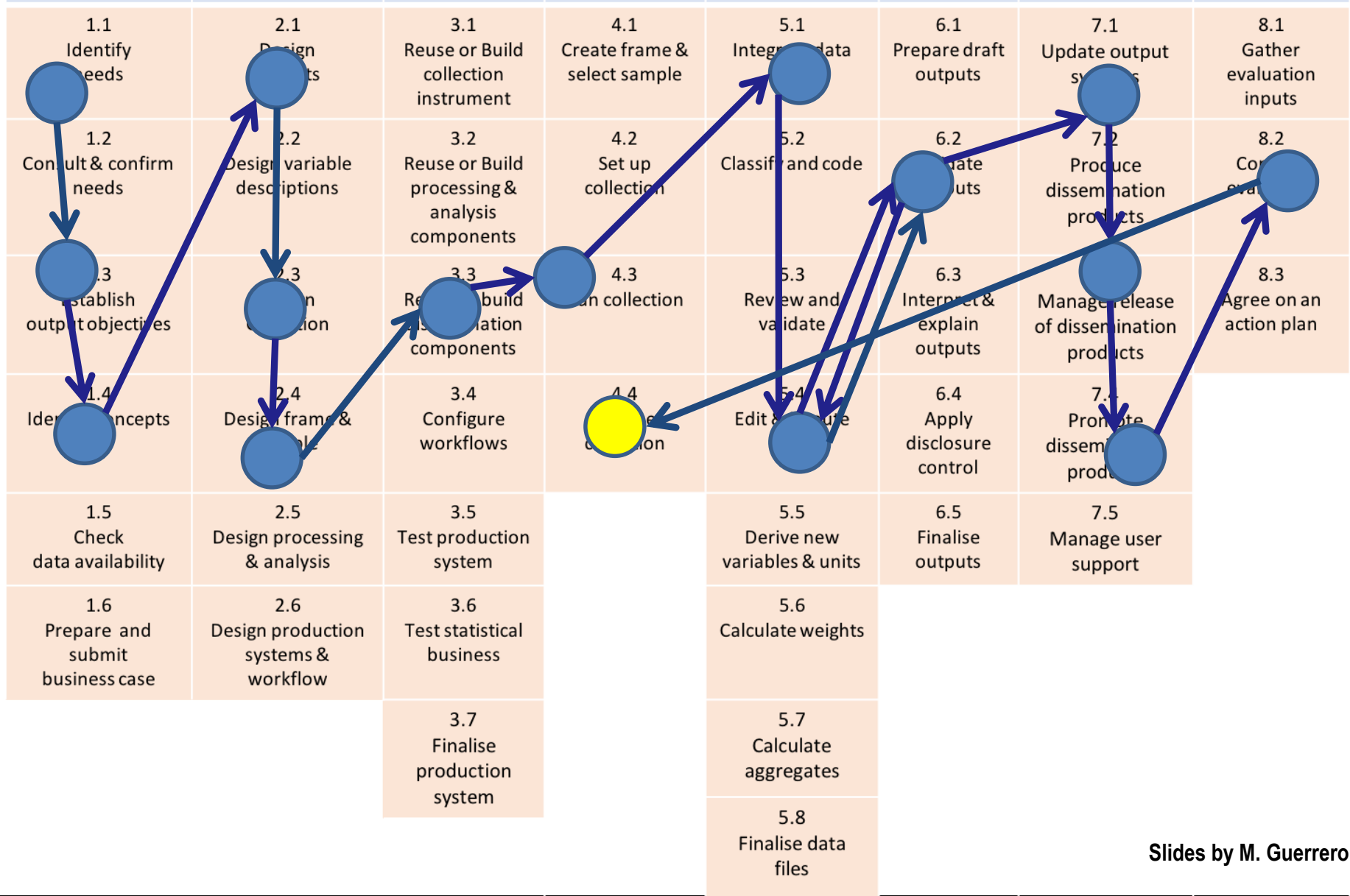
Application Notes:

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 not necessarily have to be followed sequentially
3. Sub-processes within and across phases may have an iterative order or a loop.

Overarching Processes

A Statistical Process Described using GSBPM



Applies to ...

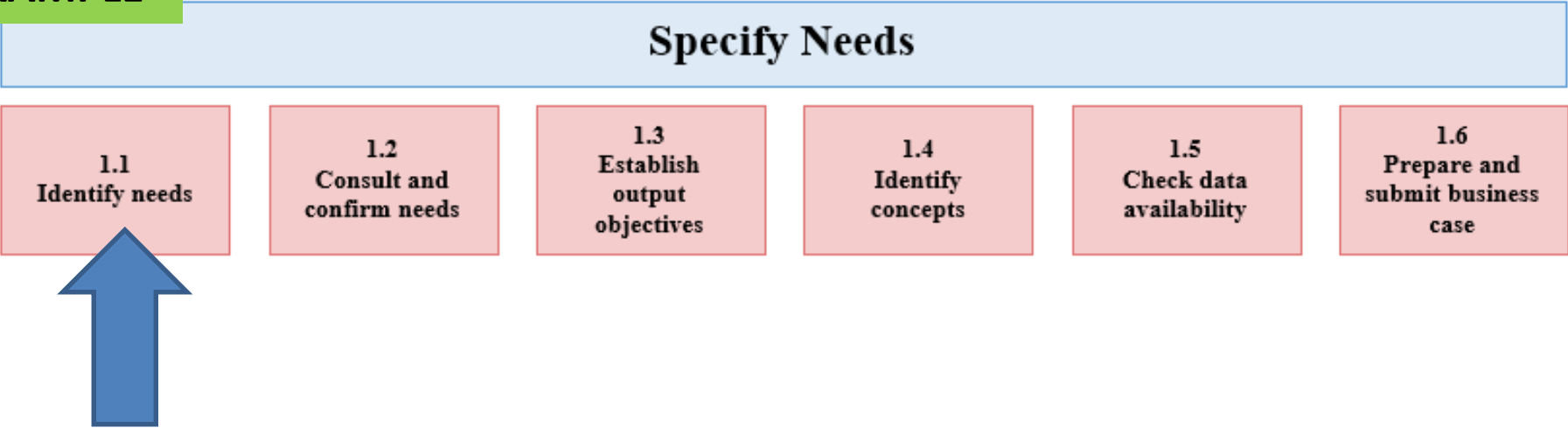
- All *activities* undertaken by producers of official statistics which result in data outputs
- All statistical *domains*
- *National* and *international* statistical organisations

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)

EXAMPLE



Quality Dimension	Indicator
Relevance	<ul style="list-style-type: none">• To what extent have stakeholders been identified and included in discussions about statistical needs?• To what extent has relevant supporting documentation been gathered?

THANK YOU

