



Introduction: Generic Statistical Business Process Model (GSBPM)

*2016 Workshop on Implementing Standards for
Statistical Modernization – Topic I*

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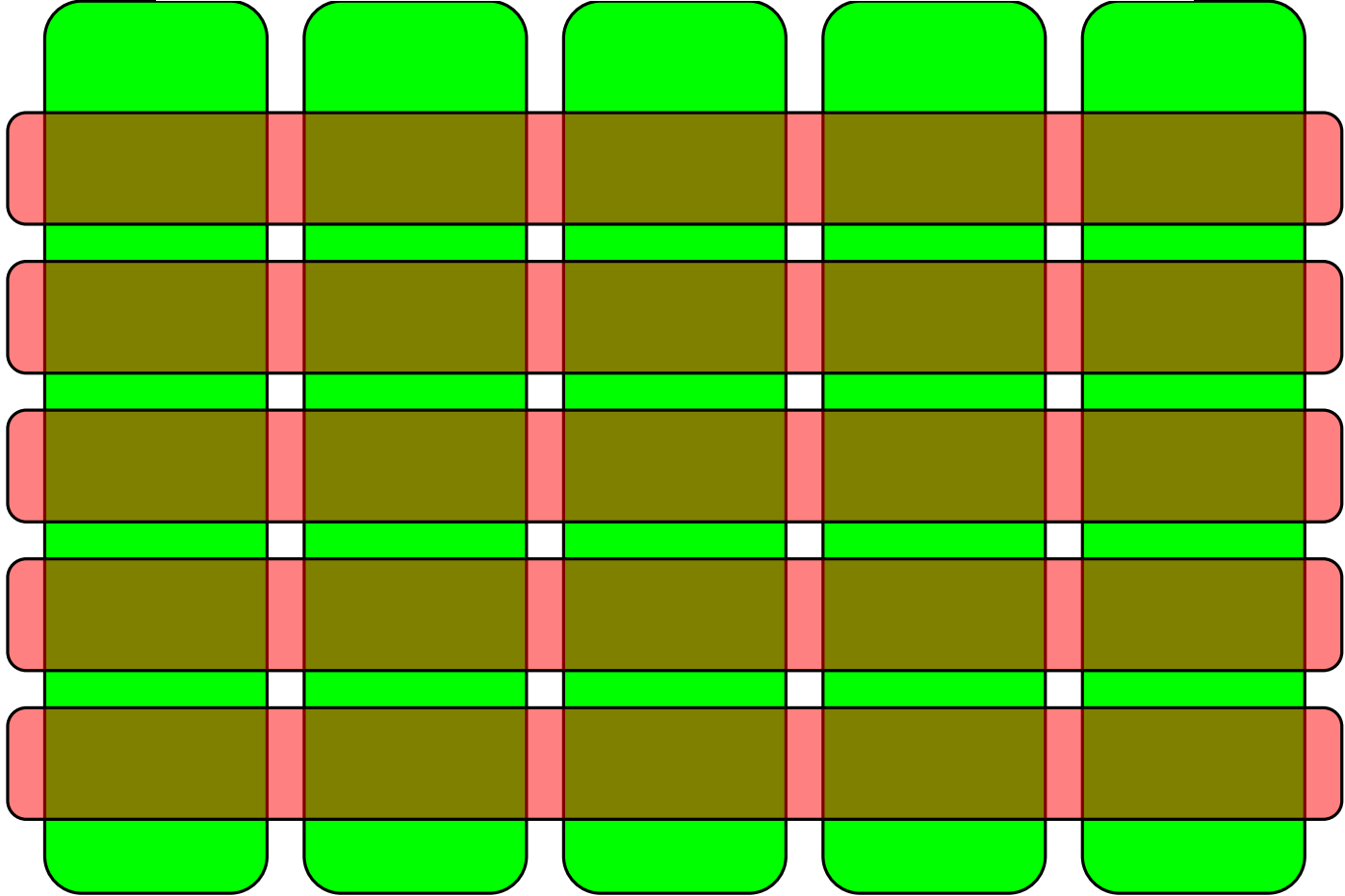
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Background

- Statistical production has traditionally been organised by topic, e.g. transport, trade, ...
- Financial pressures are encouraging new ways of thinking
- Some statistical organisations are moving towards a process-based approach

Topics

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What is the GSBPM?

- A 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
 - Modernise statistical production processes
 - Share methods and components
- Based on the business process model developed in New Zealand

Why do we need the GSBPM?

- To define and describe statistical processes in a coherent way
- To compare and benchmark processes within and between organisations
- To make better decisions on production systems and organisation of resources
- Can be adapted for different purposes

Structure of GSBPM Version 5.0 (Dec. 2013)

Process



Phases

Sub-
processes

(Descriptions)

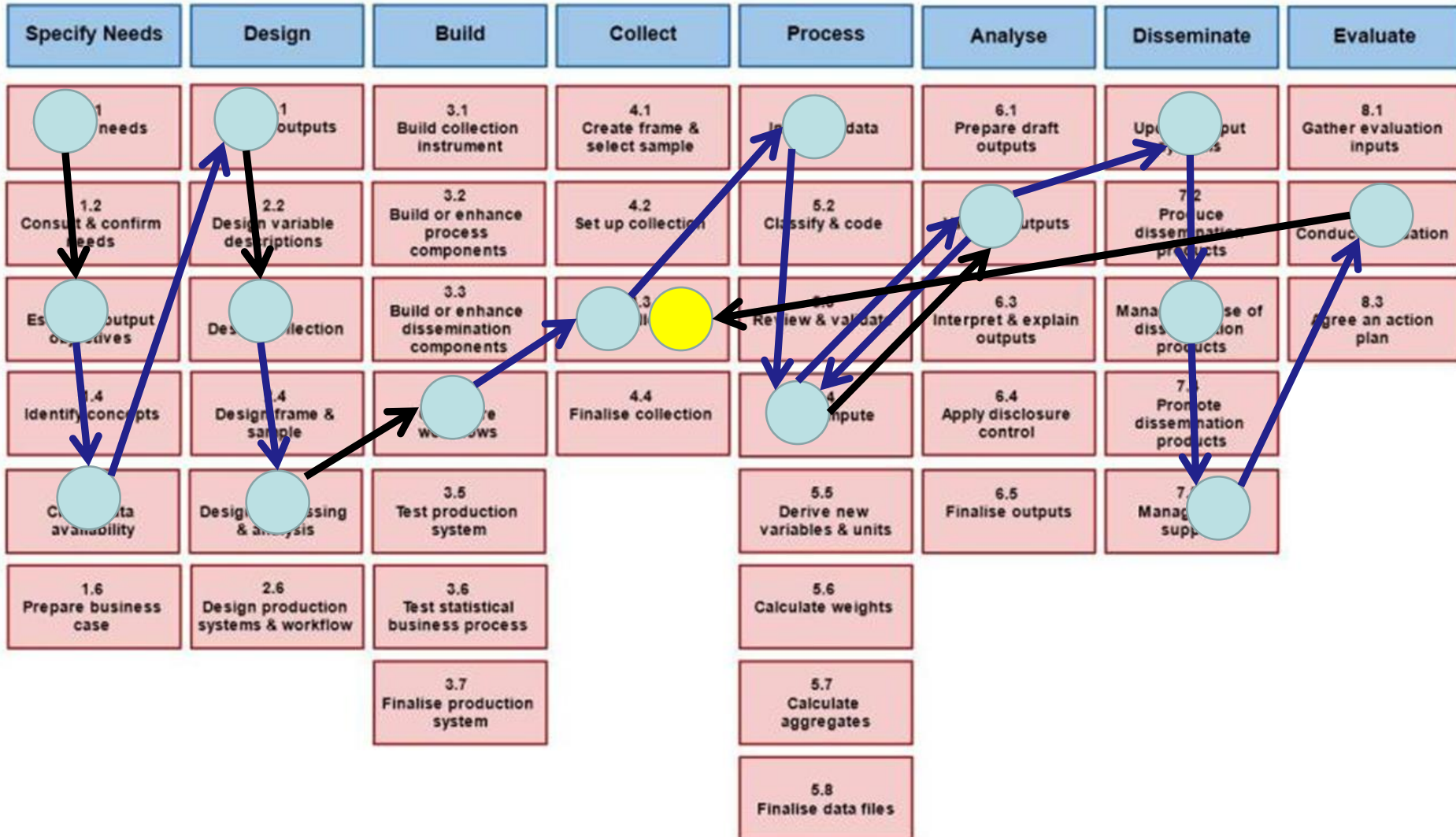


Quality Management / Metadata Management							
Specify Needs	Design	Build	Collect	Process	Analyse	Disseminate	Evaluate
1.1 Identify needs	2.1 Design outputs	3.1 Build collection instrument	4.1 Create frame & select sample	5.1 Integrate data	6.1 Prepare draft outputs	7.1 Update output systems	8.1 Gather evaluation inputs
1.2 Consult & confirm needs	2.2 Design variable descriptions	3.2 Build or enhance process components	4.2 Set up collection	5.2 Classify & 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 Build or enhance dissemination components	4.3 Run collection	5.3 Review & validate	6.3 Interpret & explain outputs	7.3 Manage release of dissemination products	8.3 Agree 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 business case	2.6 Design production systems & workflow	3.6 Test statistical business process		5.6 Calculate weights			
		3.7 Finalise production system		5.7 Calculate aggregates			
				5.8 Finalise data files			

Key features

- **Not a linear model**
- Sub-processes are not followed in a strict order
- It is a matrix, through which there are many possible paths

Quality Management / Metadata Management



Applicability (1)

- All activities undertaken by producers of official statistics which result in data outputs – in all statistical domains
- All types of data sources:
 - Surveys / censuses / derived statistics
 - Administrative sources / register-based statistics
 - Mixed sources (data integration and linkage)
 - “Big Data”
- Development and maintenance of statistical registers

Applicability (2)

Workshop presentations:

- National adaptations: Spain, Kyrgyzstan, Colombia
- Quality indicators for surveys and admin data
- Record linkage processes
- Statistical Data and Metadata Exchange (SDMX) projects

**The GSBPM is used by more than
50 statistical organisations**

- available in English, French,
Spanish, Russian**
- National versions: Turkish,
Korean, Norwegian....**

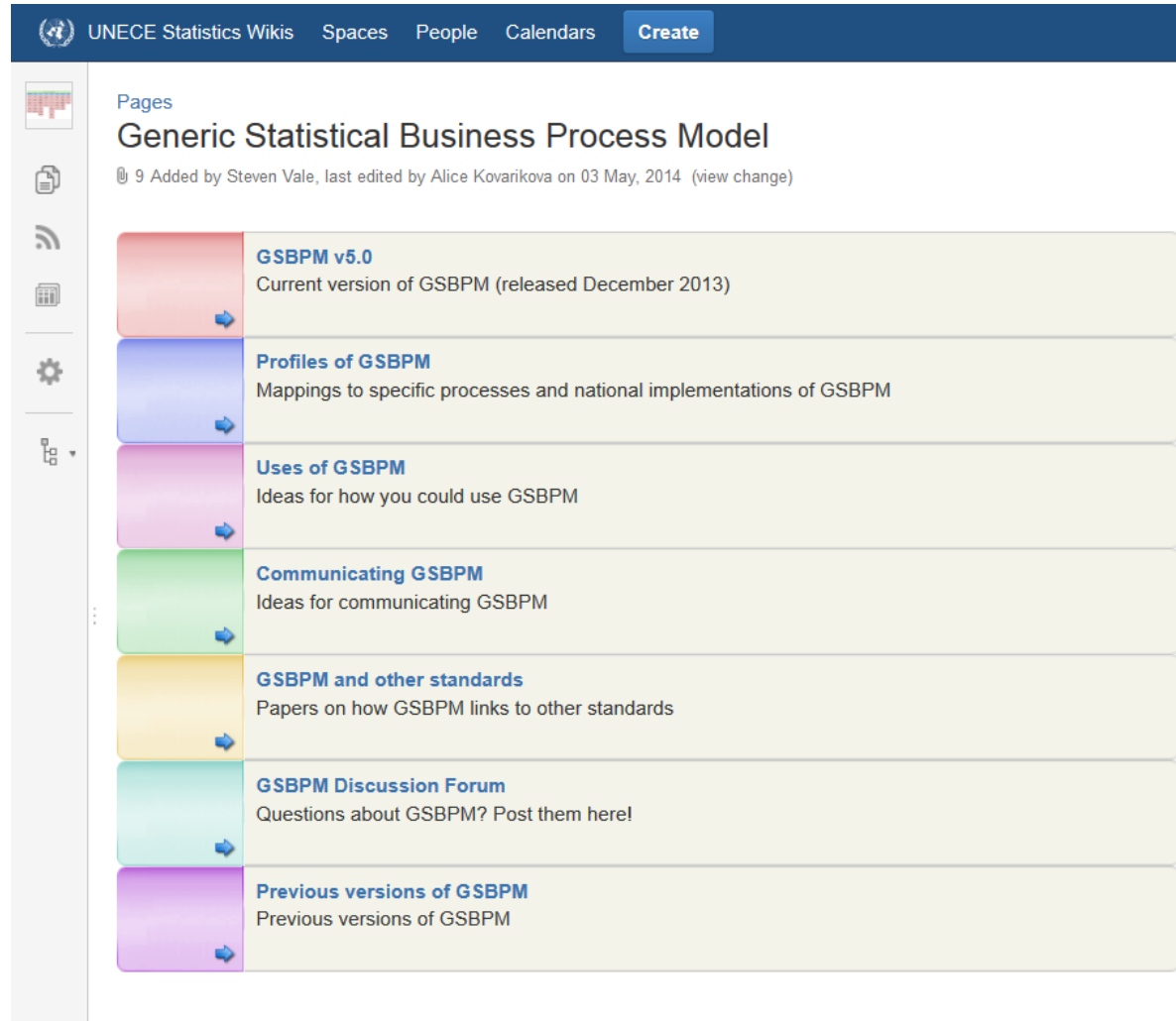
The future of the GSBPM

- The GSBPM will have to change over time to reflect new realities
 - But not too often!
- Collect ideas and feedback to inform future revisions
- Discussion forum:

<http://www1.unece.org/stat/platform/display/GSBPMDF/GSBPM+discussion+forum>

More information

- GSBPM Wiki



The screenshot shows the UNECE Statistics Wikis interface. The top navigation bar includes 'UNECE Statistics Wikis', 'Spaces', 'People', 'Calendars', and a 'Create' button. The main content area is titled 'Pages' and 'Generic Statistical Business Process Model'. It indicates that 9 pages were added by Steven Vale, with the last edit by Alice Kovarikova on 03 May, 2014. A list of pages is displayed, each with a colored header and a description:

- GSBPM v5.0**: Current version of GSBPM (released December 2013)
- Profiles of GSBPM**: Mappings to specific processes and national implementations of GSBPM
- Uses of GSBPM**: Ideas for how you could use GSBPM
- Communicating GSBPM**: Ideas for communicating GSBPM
- GSBPM and other standards**: Papers on how GSBPM links to other standards
- GSBPM Discussion Forum**: Questions about GSBPM? Post them here!
- Previous versions of GSBPM**: Previous versions of GSBPM

- www1.unece.org/stat/platform/display/GSBPM