



# EUROPEAN CONFERENCE ON QUALITY IN OFFICIAL STATISTICS 2024 ESTORIL - PORTUGAL



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QUALITY IN OFFICIAL STATISTICS  
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# Implementing GSBPM - experiences from Denmark

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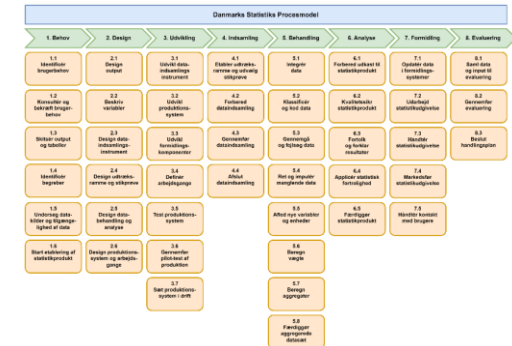
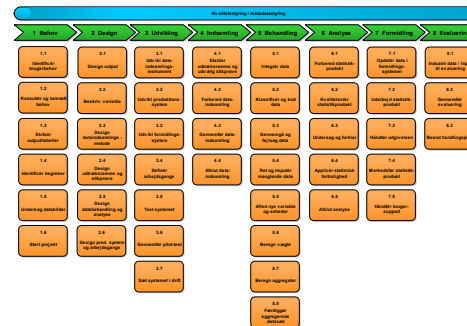



## The philosophy

- There are a number of processes a statistical production must go through – regardless of source and statistical system
- A common terminology to talk about and describe statistics production
- A common framework to document how the statistics are produced
- Internationally recognised model
- Developed by the UN, Eurostat and OECD

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 instruments	4.1 Create frame and select sample	5.1 Integrate data	6.1 Prepare draft outputs	7.1 Update output systems	8.1 Gather evaluation inputs
1.2 Consult and confirm needs	2.2 Design variable descriptions	3.2 Reuse or build processing and 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 and explain outputs	7.3 Manage release of dissemination products	8.3 Agree an action plan
1.4 Identify concepts	2.4 Design frame and sample	3.4 Configure workflows	4.4 Finalise collection	5.4 Edit and impute	6.4 Apply disclosure control	7.4 Promote dissemination products	
1.5 Check data availability	2.5 Design processing and analysis	3.5 Test production systems		5.5 Derive new variables and units	6.5 Finalise outputs	7.5 Manage user support	
1.6 Prepare and submit business case	2.6 Design production systems and workflow	3.6 Test statistical business process		5.6 Calculate weights			
		3.7 Finalise production systems		5.7 Calculate aggregates			
				5.8 Finalise data files			

# Making GSBPM the process model of Statistics Denmark



Adapting GSBPM 5.1 

Adapting GSBPM 5.0

Pilot – 5 products documented

Decision: GSBPM is the proces model for SD

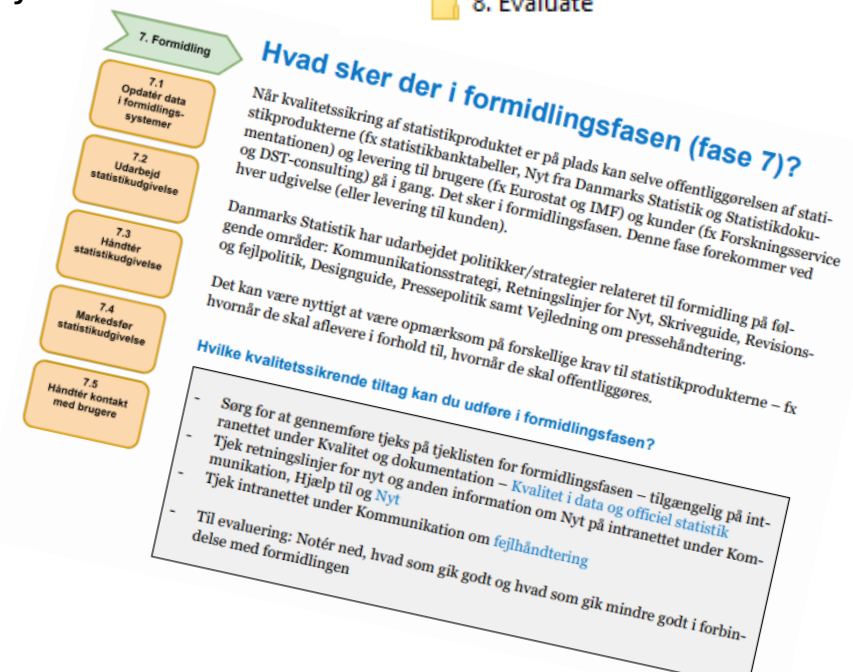
Organi-sational anchoring



# Making GSBPM more relevant

- Facilitating colleagues document processes
- Presentations to the organisation on the advantages of GSBPM
- All methods guidelines refer to the process model
- Organise working documents, files, etc. in a folder structure like the process model
- Internal quality review reports includes overview of the production processes by the phases of GSBPM
- Modernising our document on the process model
- ...from version 2.0 to 3.0 of SD's process model:
  - Updating of the introduction, the descriptions of the phases and sub-process
  - Proposals for quality assurance measures
  - Reference to relevant framework systems
  - Reference to completion of documentation of statistics (SIMS)
  - Description of how to document the sub-process

- ✓ GSBPM filing structure
  - 1. Specify needs
  - 2. Design
  - 3. Build
  - > 4. Collect
    - 4.1 Create frame and select sample
    - 4.2 Set up collection
    - 4.3 Run collection
    - 4.4 Finalise collection
  - 5. Process
  - 6. Analyse
  - 7. Disseminate
  - 8. Evaluate



# Conclusions and way forward

## General

- The process model can be used by anyone, for all types of statistics
- The process model is not linear
- Stick to the structure of the model and use it as a frame – it is generic

## A little practical

- It's going to take time to document your workflows, that's okay
- Use the folder structure that follows the process model on shared drives
- Draw.io is just a tool
- Draw by hand first and use Draw.io afterwards





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# Thank you

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