

# The role of metadata in the quality management of official statistics

Component A: Quality Management of Official Statistics  
Activity A.2: Introduction to tools and processes supporting the Code of Practice (CoP)

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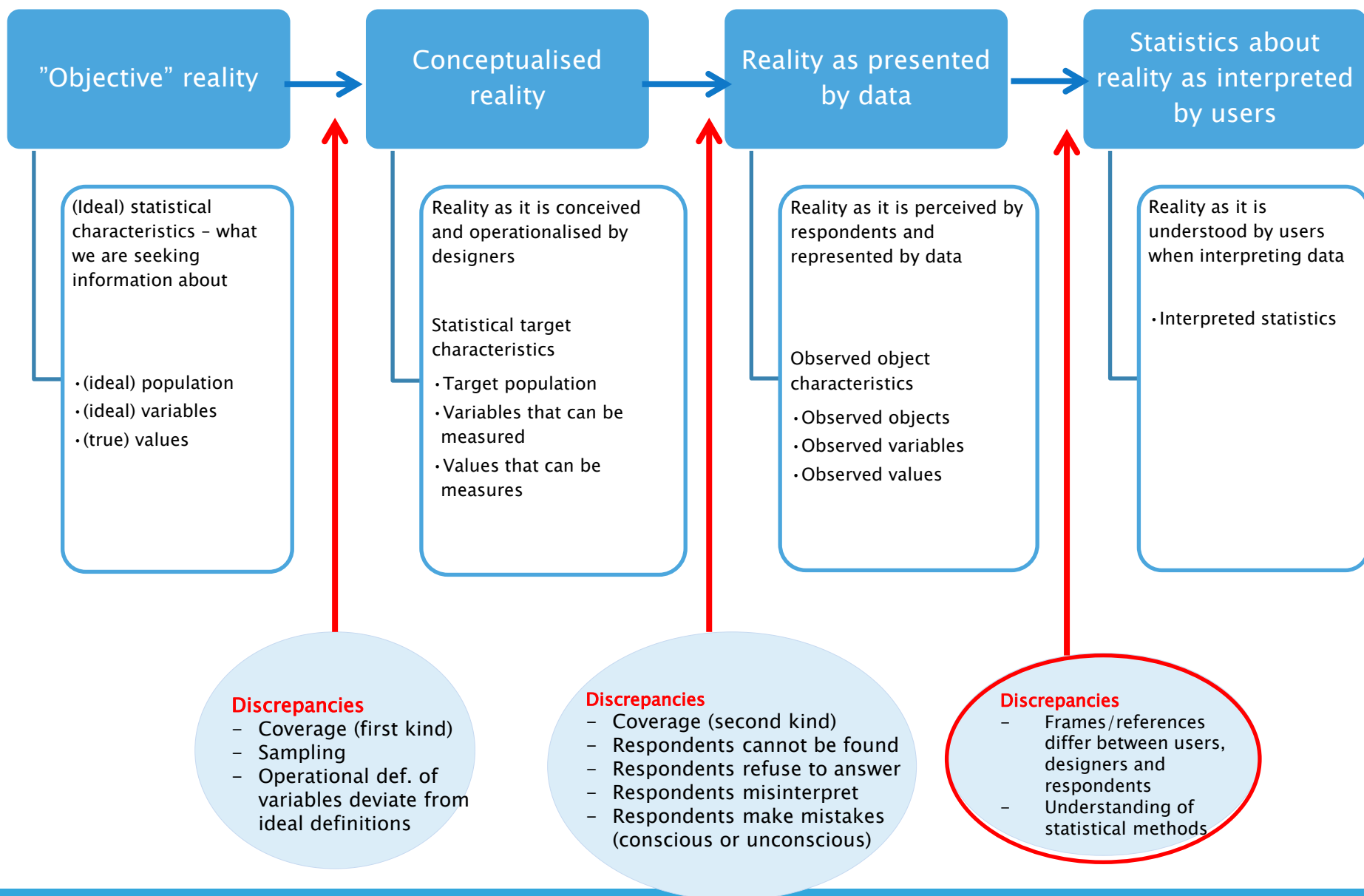


# Metadata

- Documentation of statistics
- Documentation of variables
- Classifications
- Concepts
- Descriptions of production processes/desk instructions
- Descriptions of production systems
- Etc.

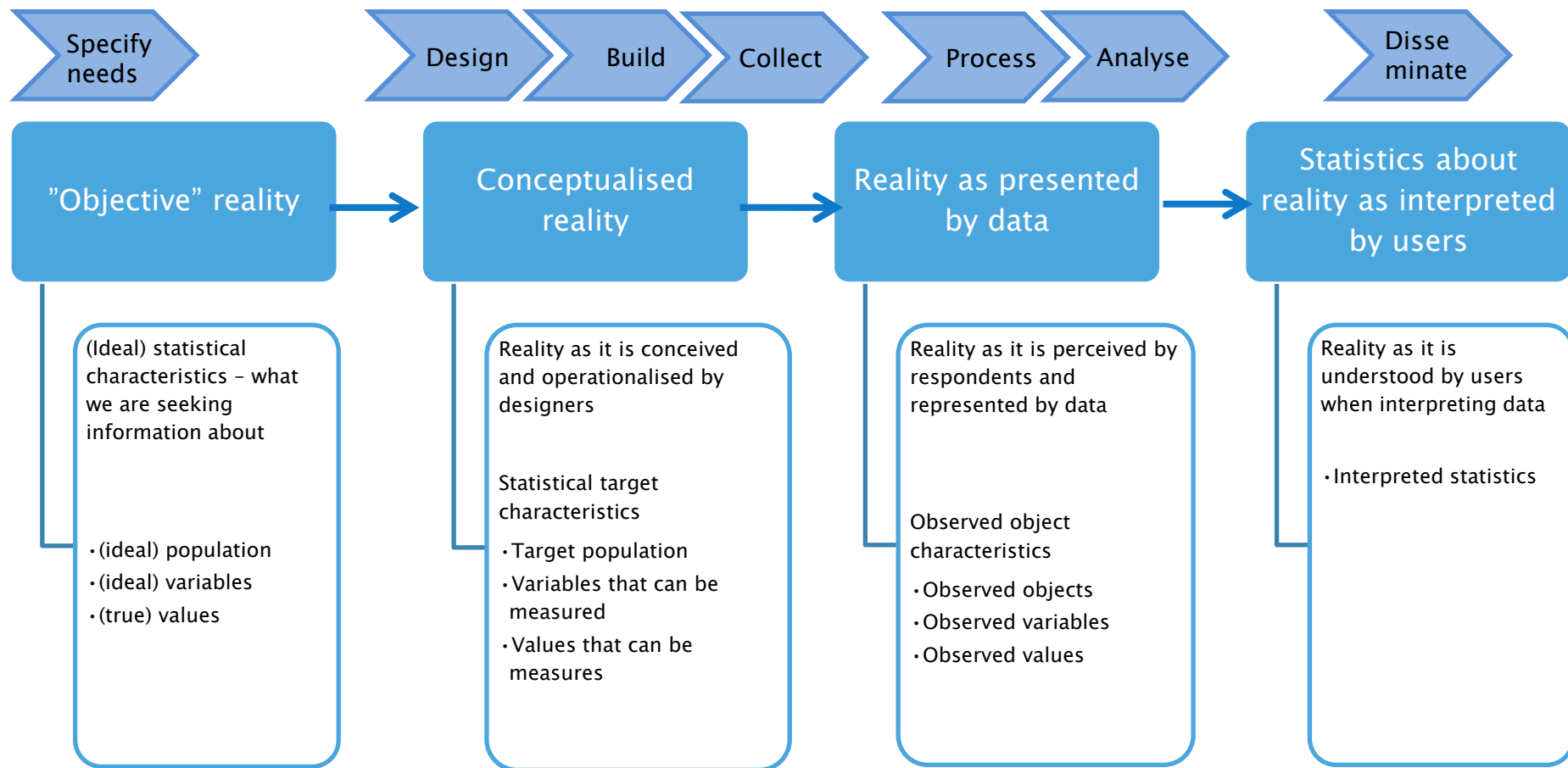
# Metadata driven production

- In SD we are working towards a metadata driven production of statistics
- The idea is basically that metadata becomes an integrated part of the production – not something extra
- Connecting different metadata components to the processes in GSBPM
- In the start with our new system for documentation of statistics – the SIMS fields were organised according to where in the GSBPM it would be natural to update



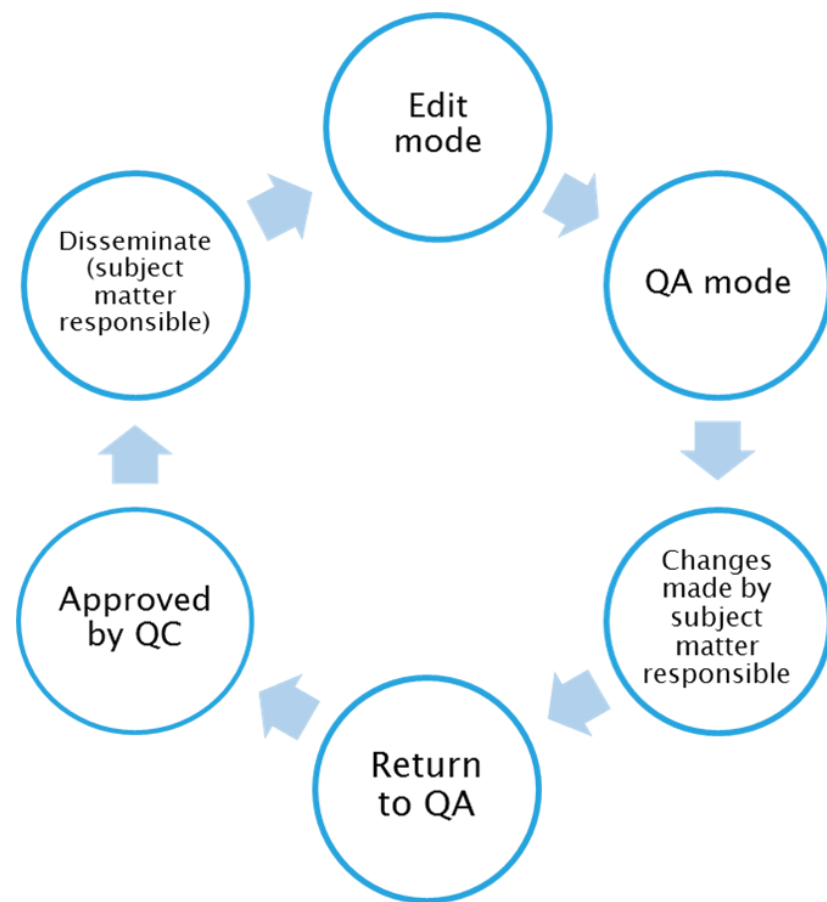
# The Production - GSBPM

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			



# Metadata and quality management

- Documentation of statistics – system for quality assurance
- Quality audits both in connection with the self-assessment and the audit of the production system emphasis is placed on metadata and documentation



# Quality audits

- Started in SD in 2015
- Audit based on CoP
- Team of experts
- Self assessment
- Examination of documentation
- Report
- Action list
- Minimum 6 statistics in 2016

