

Metadata strategy for Bosnia

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DANMARKS
STATISTIK



Objectives overall

- *Overall objectives*
 - *Build sustainable institutional capacity*
 - *Better communication a) between the three statistical institutes and b) between providers and users of the statistics.*
 - *Improved business processes (management-, core- and support-processes) supported with quality framework and metadata*
 - *Implement European and Global standards using the following frameworks CoP og QAF, GSBPM, GSIM*

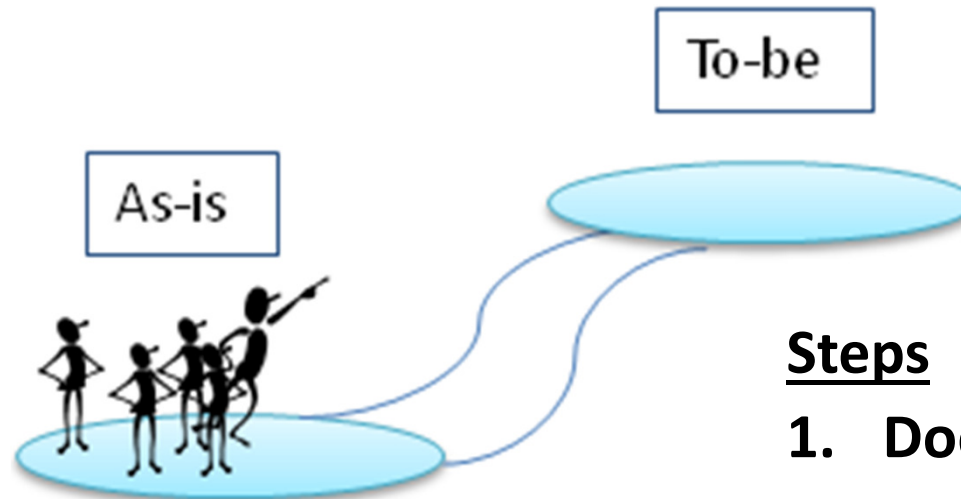


Objectives - detailed

- *Detailed objectives and results for 2013:*
- *Implementation of GSBPM:*
 - *Document existing surveys using GSBPM and other standards (6 surveys)*
- *Metadata:*
 - *Install tool and create documentation on 2-3 selected surveys*
 - *Implementation of ESQRS-standard. This results should be quality-reports, quality-elements published on the Internet.*
 - *User consultations*
- *Establish Business Process- Quality and Metadata-organisation (see list of tasks for the group in chapter 5)*



Business process management – from “as-is” to “to-be”

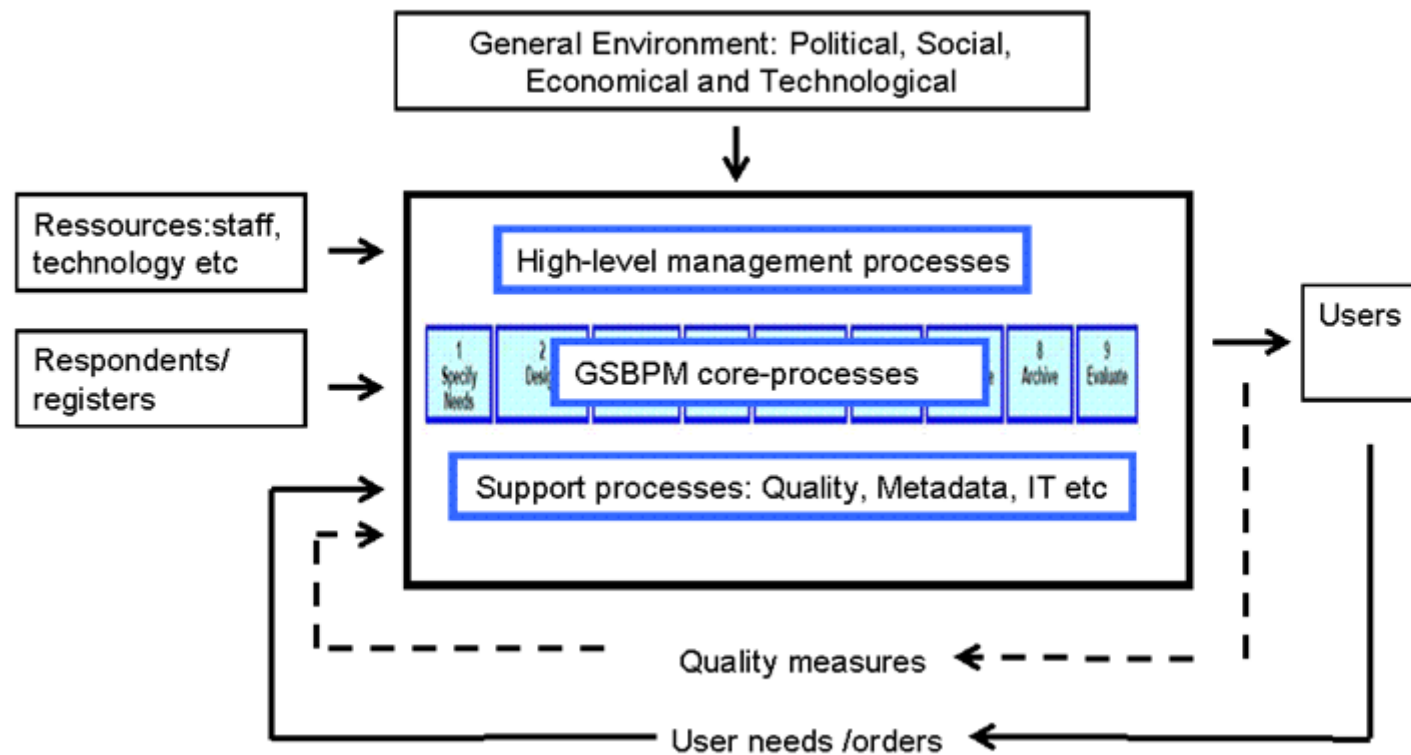


Steps

1. Document existing processes
2. Decide on prioritization of changes
3. Implement changes
 - Iterate on 1-3



>> The situation in a helicopter-view





Generic Statistical Business Process Management Model (GSBPM)

Quality Management / Metadata management								
1 Specify Needs	2 Design	3 Build	4 Collect	5 Process	6 Analyse	7 Disseminate	8 Archive	9 Evaluate
1.1 Determine needs for information	2.1 Design outputs	3.1 Build data-collection instrument	4.1 Select sample	5.1 Integrate data	6.1 Prepare draft output	7.1 Update output system	8.1 Define archive rules	9.1 Gather evaluation inputs
1.2 Consult and confirm needs	2.2 Design variable description	3.2 Build or enhance process components	4.2 Set up collection	5.2 Classify and code	6.2 Validate output	7.2 Produce dissemination product	8.2 Manage archive repository	9.2 Conduct evaluation
1.3 Establish output objectives	2.3 Design data collection methodology	3.3 Configure workflows	4.3 Run collection	5.3 Review, validate and edit	6.3 Scrutinize and explain	7.3 Manage release of dissemination product	8.3 Preserve data and associated metadata	9.3 Agree action plan
1.4 Identify concepts	2.4 Design frame & sample meth.	3.4 Test production system	4.4 Finalize collection	5.4 Impute	6.4 Apply disclosure control	7.4 Promote dissemination product	8.4 Dispose of data and associated metadata	
1.5 Check data availability	2.5 Design statistical processing methodology	3.5 Test statistical business process		5.5 Derive new variables and stat. Units	6.5 Finalize output	7.5 Manage user support		
1.6 Prepare business case	2.6 Design prod. system and workflow	3.6 Finalise production system		5.6 Calculate weights				
				5.7 Calculate aggregates				
				5.8 Finalise data files				





Why have a common business proces model

- **Common language**
- **Sharing of knowledge. GSBPM used by many National Statistical Institutes**
- **Process orientation is the starting point for**
 - Documentation and improvement of processes – including communication with users and providers
 - Quality models
 - Quality Assurance Framework (QAF)
 - ESS Standard Quality Report Structure (ESQRS)
 - Metadata models and standards
 - Data Documentation Initiative (DDI)
 - Statistical Data and Metadata Exchange (SDMX)

Business Process Management and Metadata Strategy - outline

- 1. Introduction**
- 2. Objectives and results**
- 3. Organisation**
- 4. Tasks and timetable**

Annex 1: Standards

- GSBPM, BPMN, DDI/SDMX, ESQRS, ESMS, CoP, QAF**

Annex 2. IT-solution

- Architecture**
- Tools: Bizagi and others for Business processes, Colectica for metadata (Quality, Concepts, Variables and Classifications)**

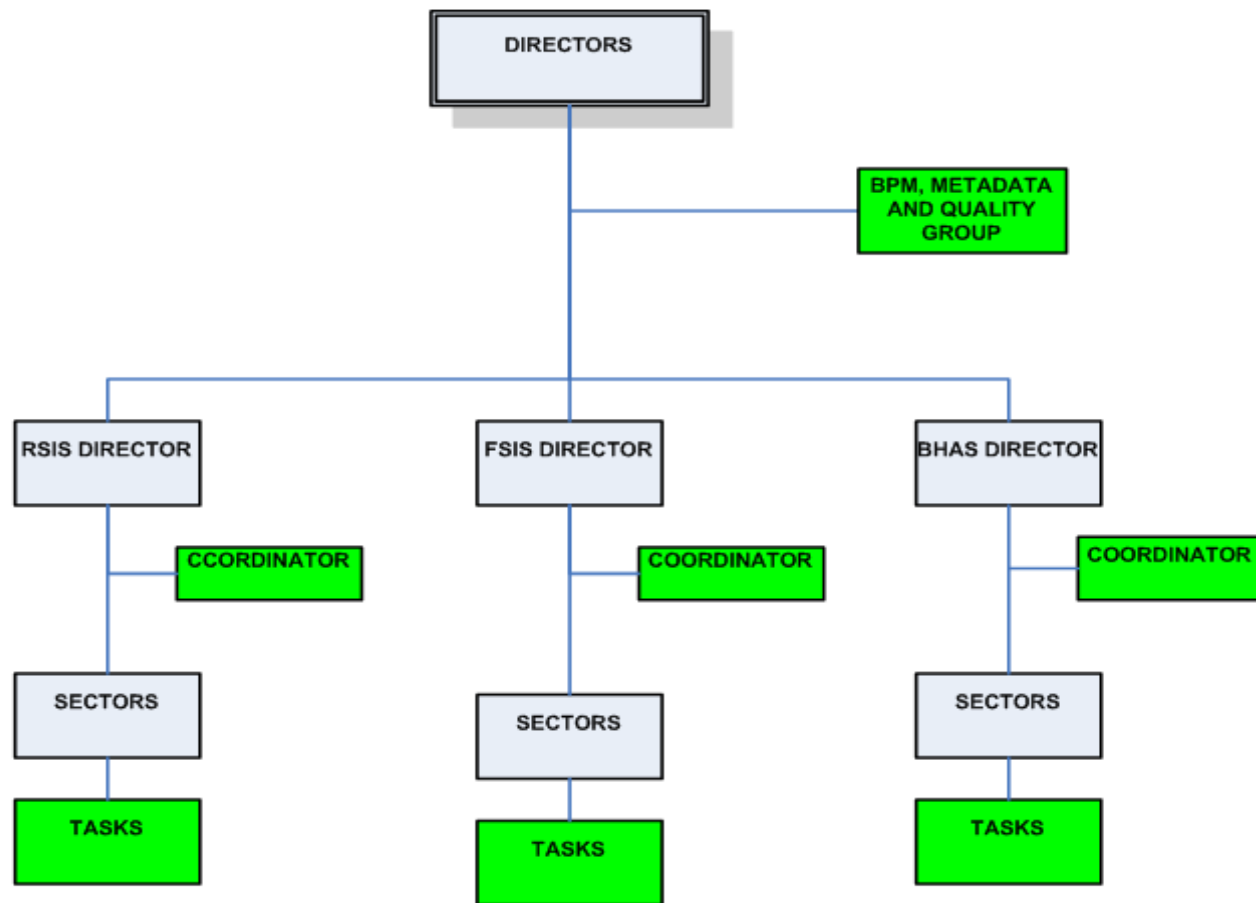
Annex 3: Guidelines for the use and production of Metadata



Why use Colectica

- Implements standards DDI/SDMX and ESQRS
- Colectica can be linked to phases in GSBPM
- GSIM (Generic Statistical Information model) will be mapped into DDI
- Used in France, Canada, New Zealand, Australia, Denmark. Eurostat is evaluating
- Standards and software has been introduced tested in Bosnia
- Initial costs payed by project. Annual cost: free for 2 years. After 2 years: options: no annual cost (no updates) or very low costs

>> Organisation and management





Status and plans

Status and plan

- Draft – strategy ready
- Standards and tools introduced and tested (GSBPM, BPMN, DDI, ESQRS etc)

Plans for 2013

- Documentation of business processes (6 surveys)
- Implementation and test of metadata-software starting with quality standard

