



- 1. Objectives of mission and methodology
- 2. Input from ICBS part 1
- 3. Metadata introduction, definition and functions, principles and users
- 4. Standards

5. Towards a work plan for the development of a metadata system for ICBS





# 1. Objectives of mission and methodology



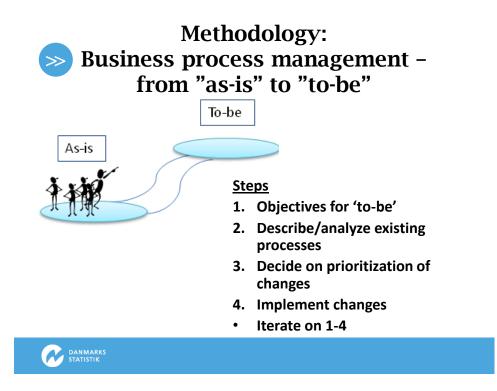
#### Objectives of the mission: Purpose and output (ToR)

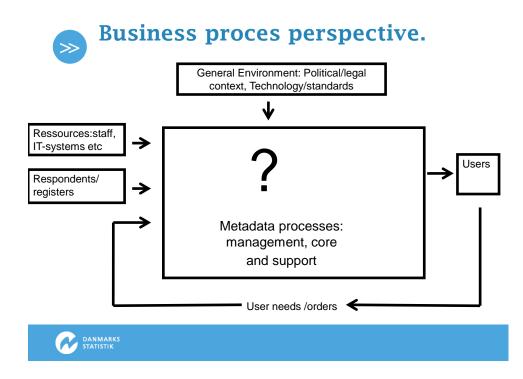
#### Purpose of the activity

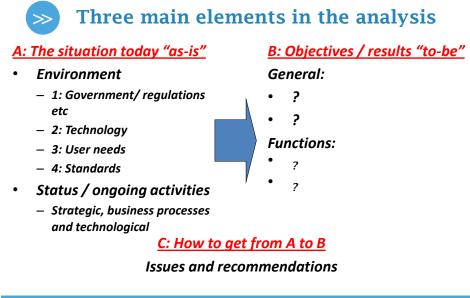
- to introduce ICBS staff to the methodology of building a metadata system;
- together with the ICBS to define a work plan/milestones for a work plan for the development of a metadata system for ICBS.
   Output

#### Report with recommendations on how to organize the metadata work as part of the dissemination strategy of the ICBS.

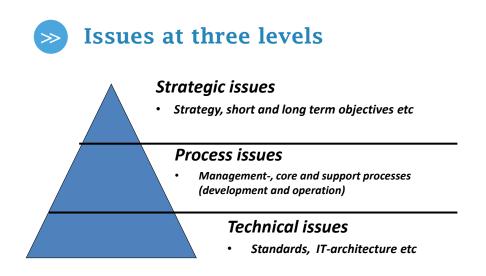












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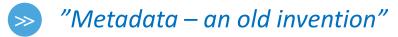
## 2. Input from ICBS part 1

- Relation to other components – strategy, dissemination and website
- As-is: situation today
- To-be: objectives etc.



### 3. Metadata introduction, definition and functions





- Library-catalogs invented 245 BC by Callimachus in Greece
- Today:

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- 1. New technology
- 2. More content
- Same purpose: to help users and producers

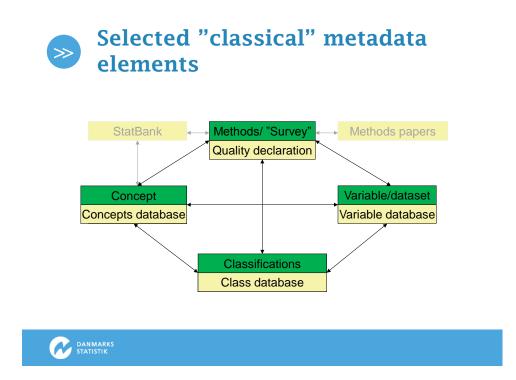


## Vision and focus at Stat DK

- 1. Statistical information must help users in the "turbulant information-sea"
- 2. Metadata must help the users in their knowledge processes.
- Metadata must giver users precise information about our products
- 4. International standards must be used in order to ensure
  - 1. Common terminologi accross borders
  - 2. The production of statistics must be cost-effective









#### What kind of metadata?

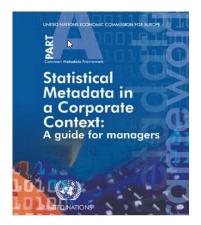
•Quality report (methodology, relevance, accuracy, comparability etc)
•Other metadata (concepts, variables and classifications)

#### How: processes and databases

Processes to handle feedback and knowledge in relation to users (GSBPM)
Databases with searchable integrated metadata directed towards user-groups



#### Definition of Metadata and Statistical Metadata System (SMS)



Statistical Metadata: "data about statistical data comprising data and other documentation that describe objects in a formalised way"

#### Statistical Metadata System (SMS)

"A data processing system that <u>uses, stores</u> and <u>produces</u> statistical metadata". The term system refers to the <u>people</u>, <u>processes</u> and <u>technology</u> involved in managing statistical metadata.





#### **Core principles**

- **1. Reuse:** Reuse metadata where possible for statistical integration as well as efficiency reasons
- 2. Statistical business process model: Manage metadata with a focus on the overall statistical business process model (GSBPM)
- 3. Active metadata: Make metadata active to the greatest extent possible. Active metadata are metadata that drive other processes and actions. Treating metadata this way will ensure they are accurate and up-to-date.





- 1. Planning, designing, implementing and evaluating statistical production processes.
- 2. Managing, unifying and standardizing workflows and processes.
- 3. Documenting data collection, storage, evaluation and dissemination.
- 4. Managing methodological activities, standardizing and documenting concept definitions and classifications.
- 5. Managing communication with end-users of statistical outputs and gathering of user feedback.





6. Improving the quality of statistical data and transparency of methodologies.

7. Managing statistical data sources and cooperation with respondents.

8. Improving discovery and exchange of data between the statistical organization and its users.

9. Improving integration of statistical information systems with other national information systems.

10. Disseminating statistical information to end users – including assistance for post-processing of statistical data





**11.** Improving integration between national and international organizations, including harmonization of content

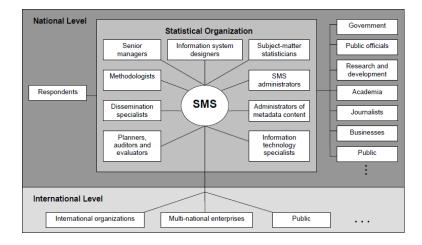
12. Knowledge base on the processes of statistical information systems, to share knowledge among staff

13. Improving administration of statistical information systems

14. Facilitating the evaluation of costs and revenues for the statistical organization

15. Unifying statistical terminology as a vehicle for better communication and understanding between managers, designers, subject-matter statisticians, methodologists, respondents and users of statistical information systems.

#### Metadata users



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