Progress in the use DDI, SDMX, GSBPM and other standards

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Agenda

- Progress at Statistics
 Denmark and Danish
 National Archive (DNA)
- Metadata portal



Vision and focus at Statistics Denmark

- Metadata about content and quality must
 - help users in their knowledge processes
 - give users precise information about our products
- 2. International standards and standard software must enable:
 - Cost efficient solution
 - Gradual implementation with few ressources





Metadata – the SDMX definition as the main definition

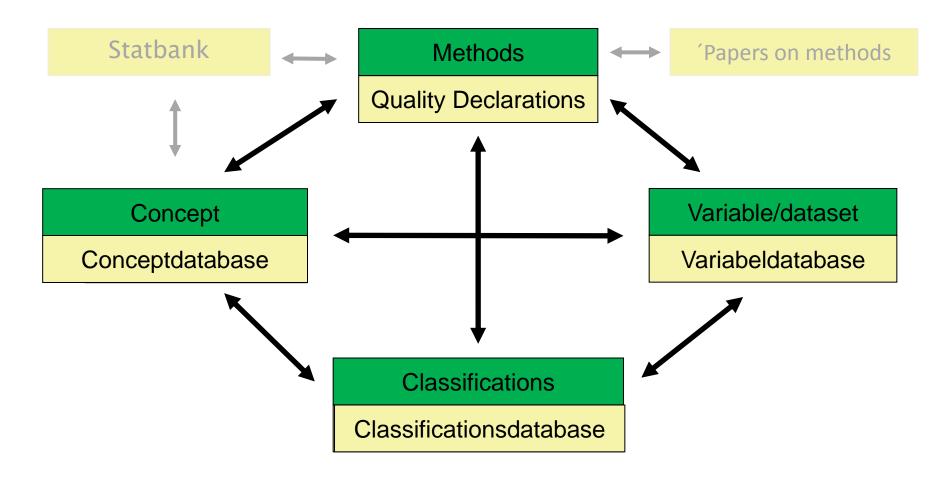
Reference metadata:

- Conceptual metadata
- Methodological and processing metadata
- Quality metadata

Structural metadata:

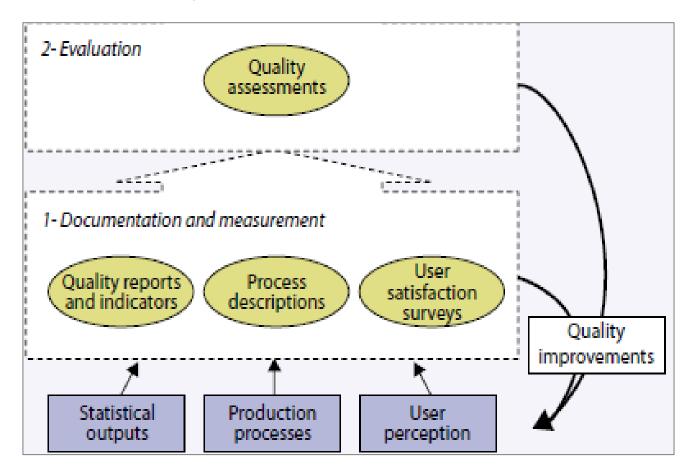
 metadata that act as identifiers and descriptors of the data

Integrated and reuseable metadata using DDI and SDMX ("classical metadata")





Metadata needed to implement Code of Practice (CoP) and Quality Assurance Framework (QAF) from Eurostat





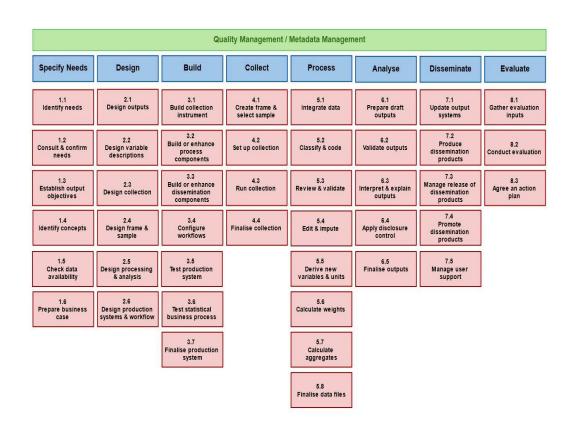
Standard for Quality: Single Integrated Metadata Structure (SIMS)

- Content (population, concepts, reference time etc)
- Statistical processing (sources and methods)
- Information on 5 quality dimensions
 - Relevance
 - 2. Accuracy and reliability
 - 3. Timeliness and punctuality
 - 4. Comparability
 - Accessibility and Clarity



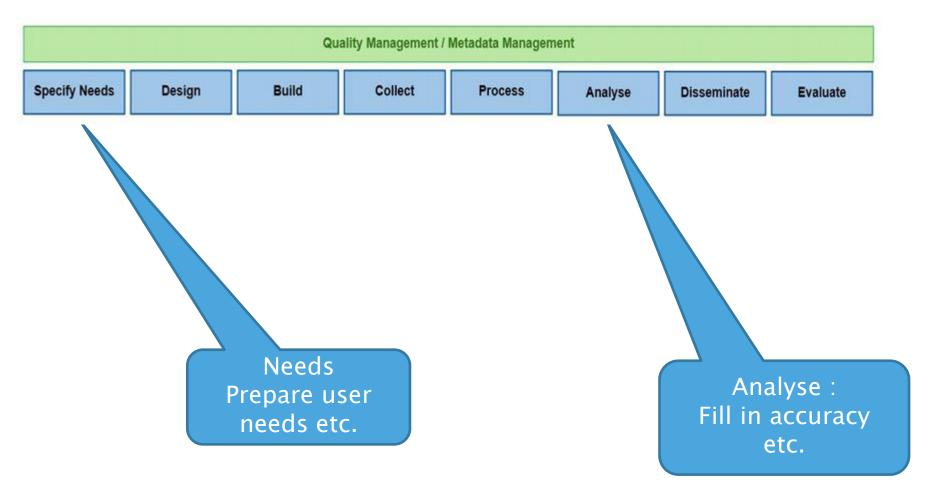
Generic Statistical Business Proces Model (GSBPM)

- Quality and metadata management processes at the top
- Measuring quality of production processes and quality of products

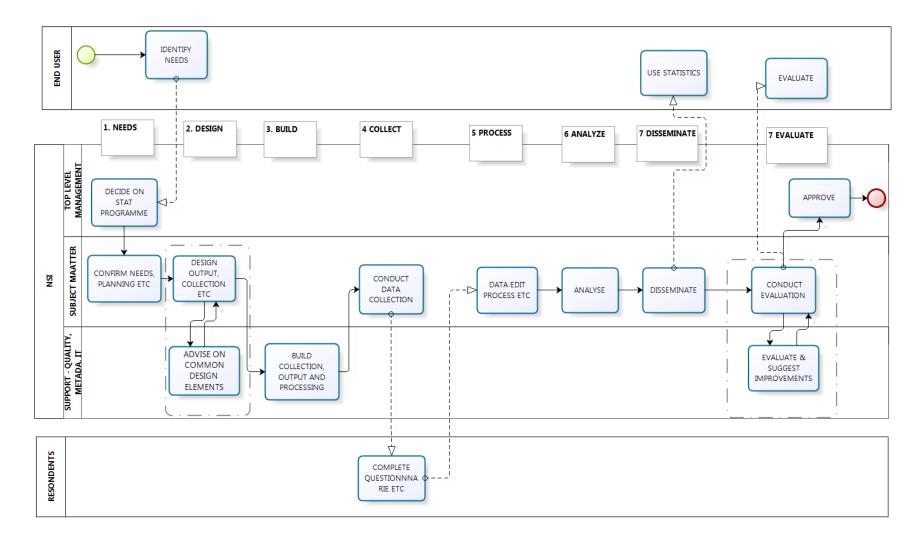




GSBPM and work processes with focus and quality declarations

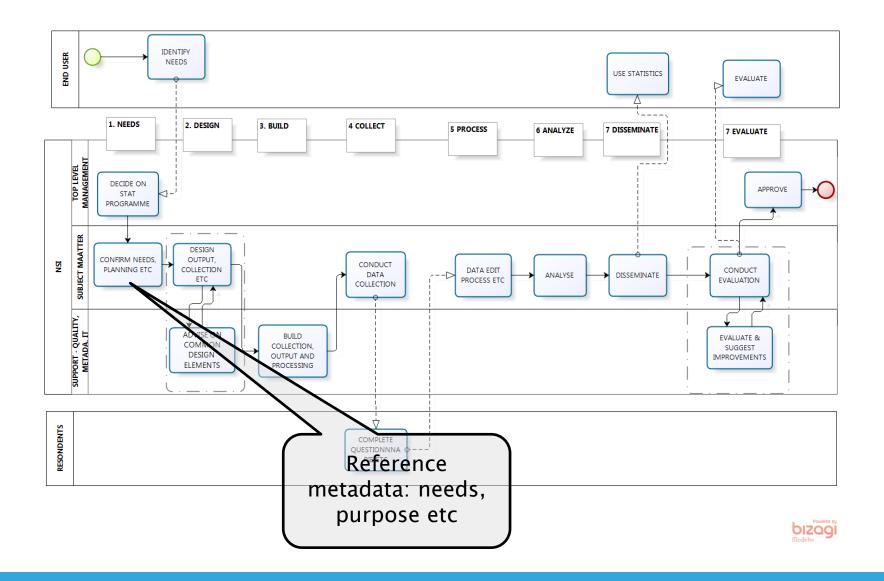




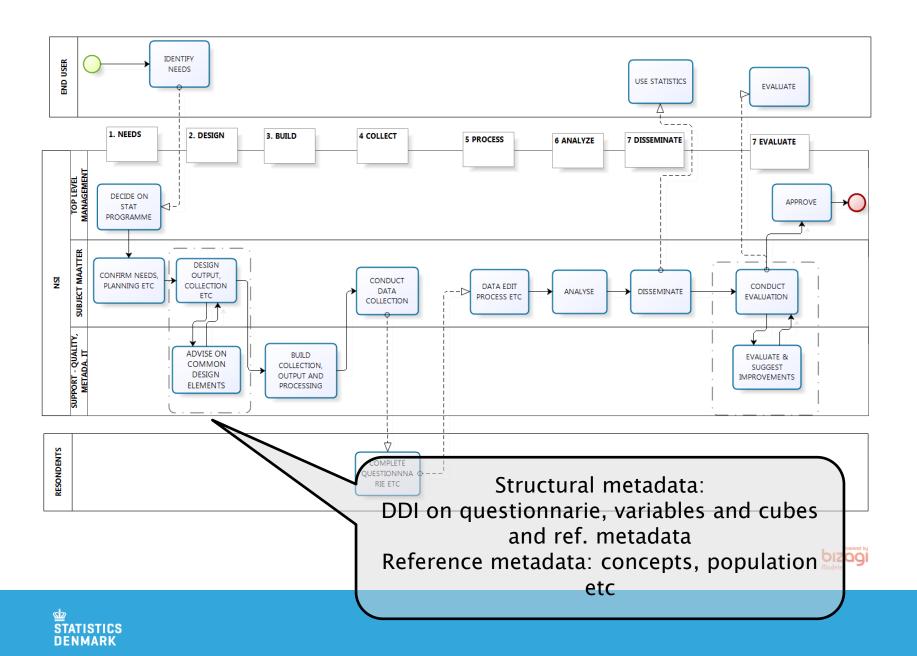


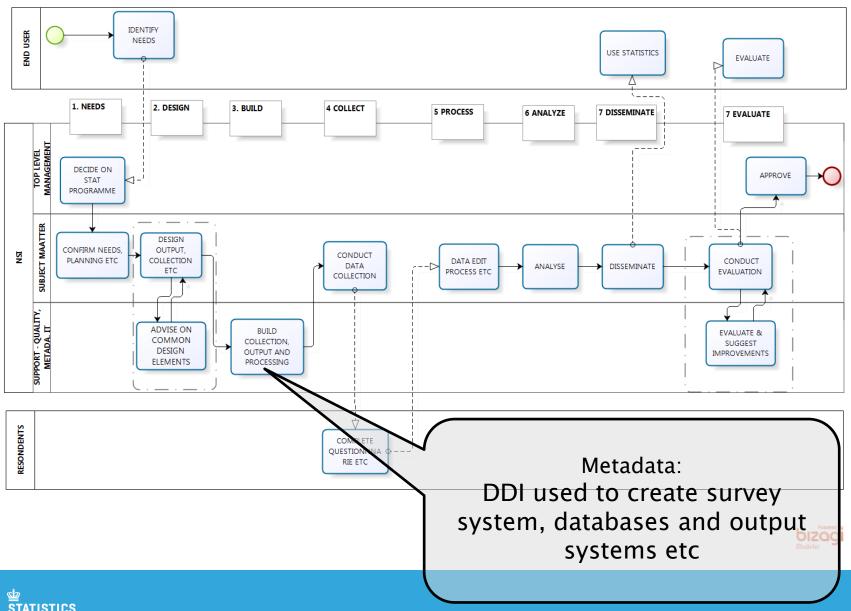


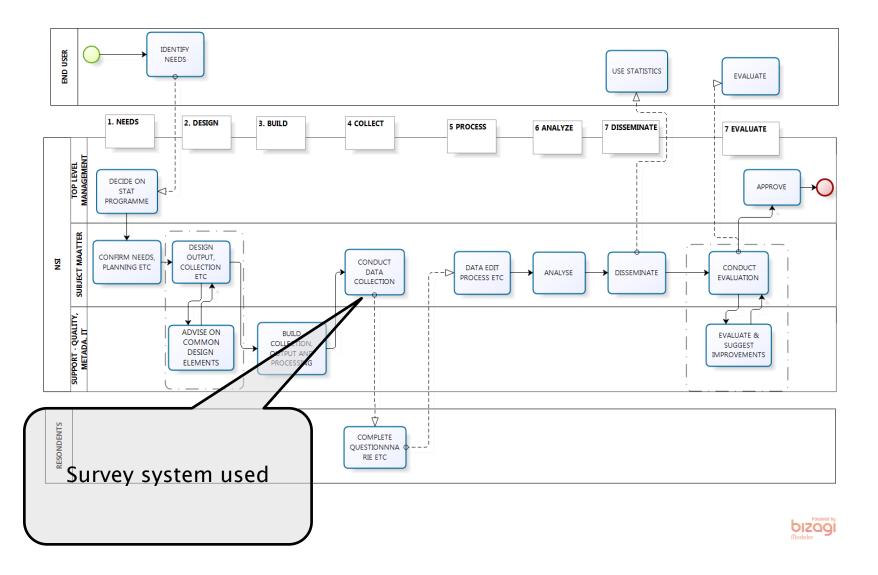




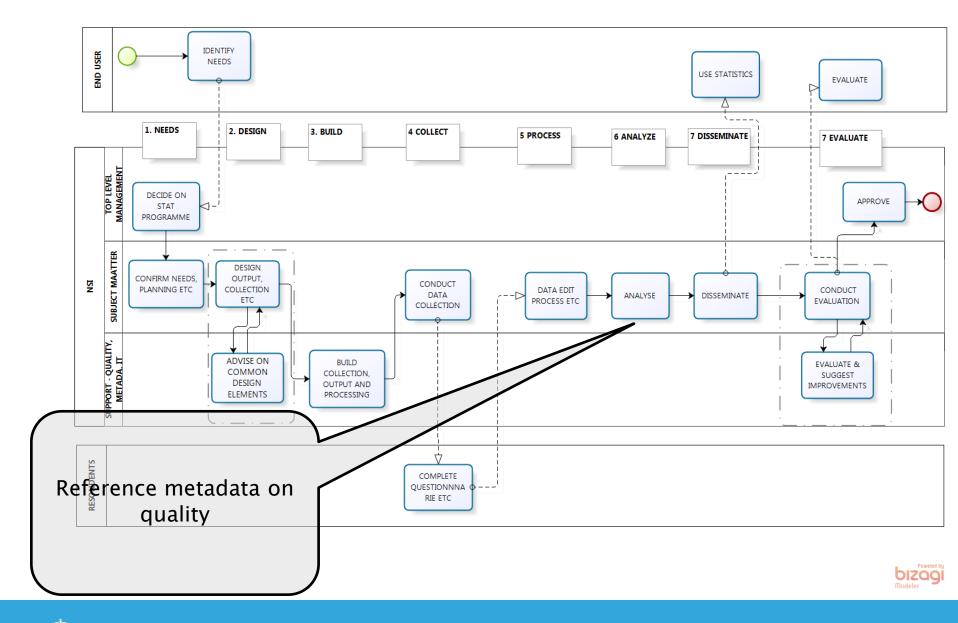


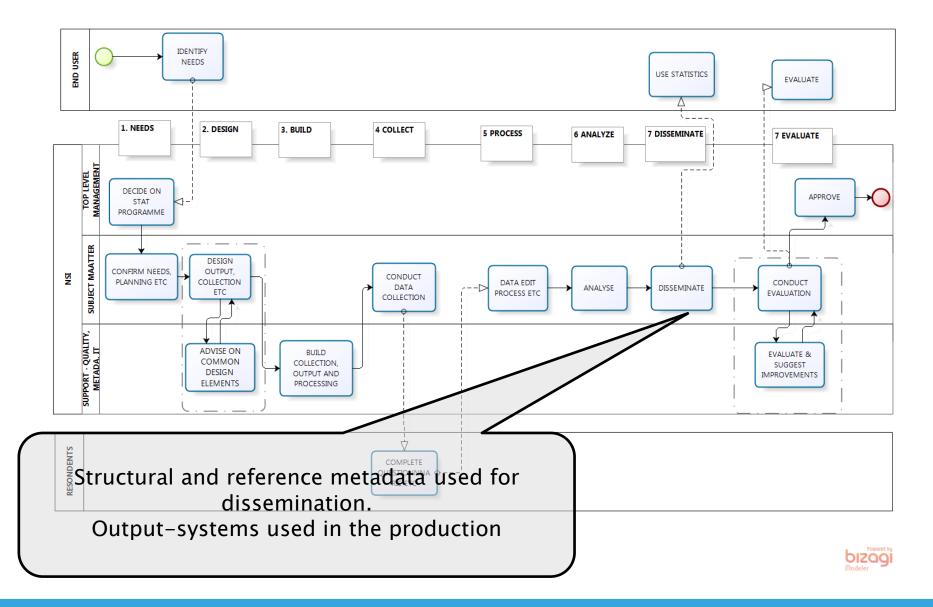




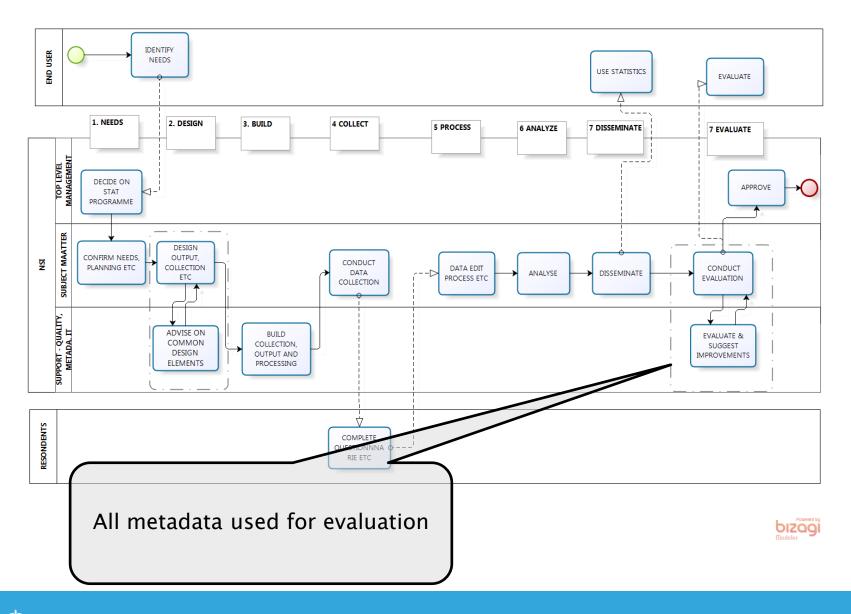
















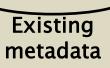
Enter qaulity-information





Publish at Dst.dk



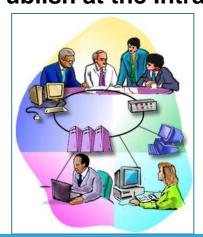




METADATA IN COLECTICA



Publish at the Intranet

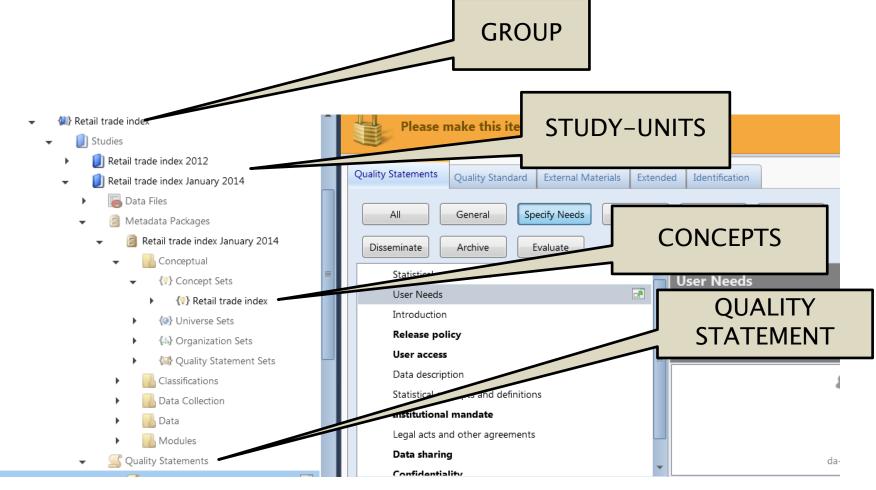


Q.D. to EU

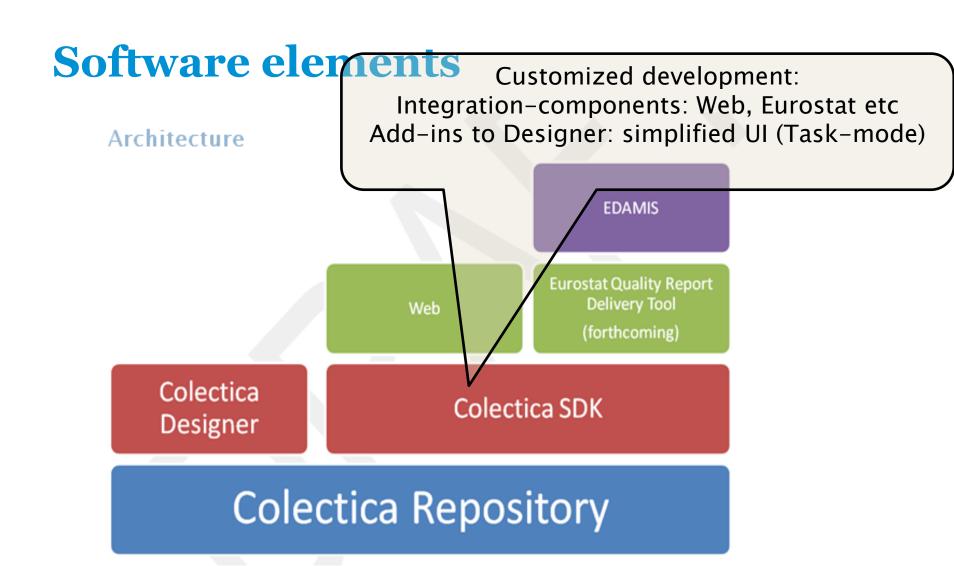




DDI Structure in Colectica









Status at Statistics Denmark

- Quality declarations for all statistics (300+) migrated into a common DDI structure in Colectica
- Work processes in Colectica supporting workflow (including centralized quality control)
- Dissemination at dst.dk developed in collaboration with users
- Automated system to transmit quality reports to Eurostat complying with Metadata Structure Definitions (ESMS and ESQRS)
- Software: Colectica in place with customized interface and integrations-components for EU and for our Content Management System (Sitecore)

Plans for 2015 at Statistics Denmark

- GSBPM, GSIM, DDI and SDMX used for implementation of variables, classifications and concepts in Colectica
- Harmonisation of statistical concepts
- Focus-groups and improved disssemination of integrated metadata
- Use of GSBPM as basis for improvement of a) the Quality Management System and b) reuse of metadata c) metadatadriven production
- Metadata portal in collaboration with other organisations

Progress at the Danish National Archive (DNA) / Danish Data Archive

- Statistical package SPSS to DDI-3.1 ingest
- Consolidating metadata services / specificering upgrade decision points
- Integrating DNA methods and standards
- Specificed features for longitudinal requirements
- KOOR Coordinating statistical data / metadata across institutions: Statistical office, National health entity and the national archive

Metadata portal

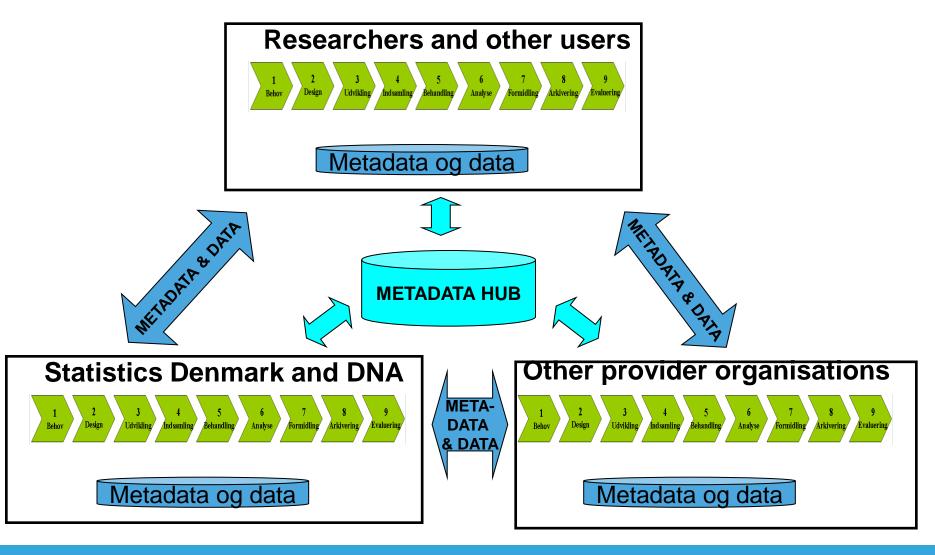


Metaportal

- Need for transparency and overview of data available for research
- Combine statistical registers and sample-survey information
- Inter-organisational project (Stat DK, DDA and more)
- Standards: DDI and SDMX
- Flexible and scalable solution



Metadataportal: work-processes, metadata- og data-exhange





Metaportal – technical solution #1

Metadata hub:

- Quick access to search, show og download metadata
- Search on items and thematic (concept-) search
- Matedata items integrated
- Links: search via metadata hub and links back to provider
- The solution must be simple and scalable



Metaportal – technical solution #2

Provider organisations

- Expose their main metadata in the hub via a standard- based interface
- Provide all types of metadata and data as described in the metadata hub



