

# Fulfilling user-needs, improving quality and efficiency using GSIM and other standards

UNECE Workshop on Implementing Standards for Statistical Modernisation,  
21 – 23 September 2016

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# The vision

Statistical information must help users in the “turbulent information-sea”

Metadata about content and quality must

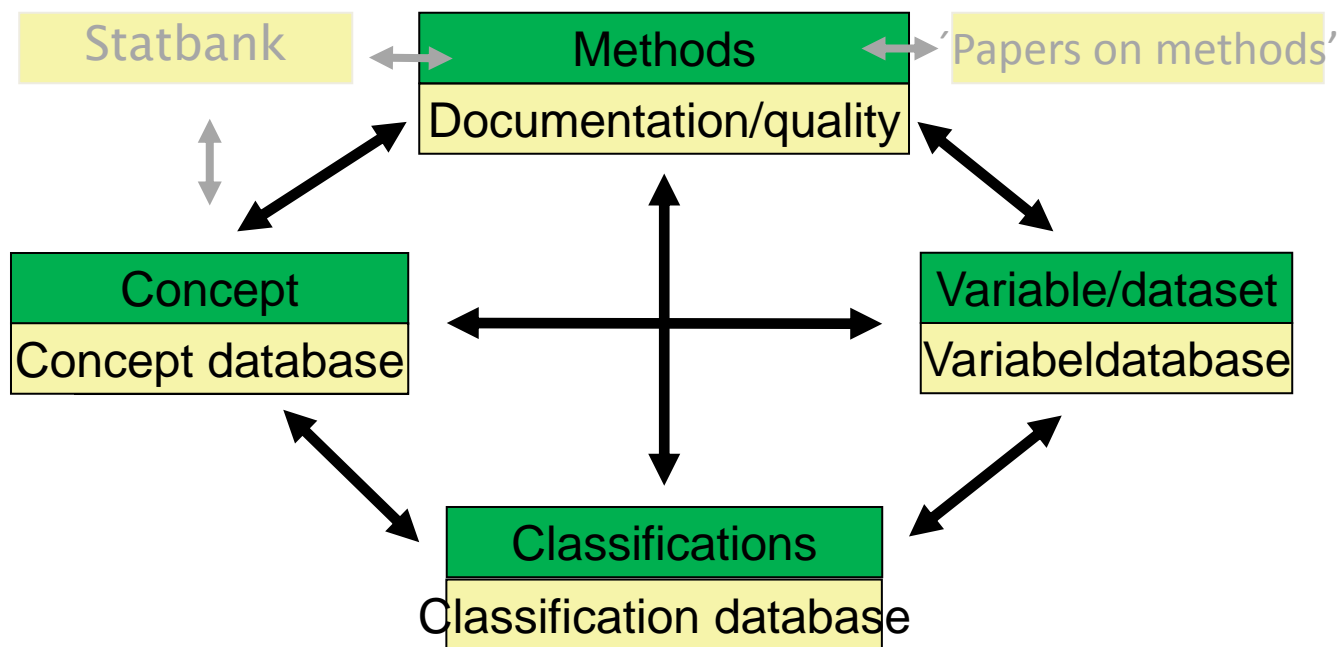
- help users in their knowledge processes
- give users precise information about our products

International standards and standard software must enable

- Cost efficient solution with few resources
- Sustainable long term solutions
- Common terminology



# Vision: Integrated and reusable metadata



# Claims in the paper

Common reusable metadata require improved understanding of

1. metadata-terminology
2. the use of in production processes in GSBPM
3. the role of metadata in relation to users
4. systematic use of Business Process Management and Enterprise Architecture

# Metadata-terminology and frames of reference

	Frames of reference of producers	Frames of reference of users
General terminology for statistical metadata	Complex metadata terminology. E.g. instance variable vs represented variable, logical record	Simplified metadata terminology. E.g. classification, variable, concept, population
Domain specific metadata	Domain specific metadata E.g. detailed definition of income of person	Domain specific metadata tailored for various users. E.g. short and long definition of income for a person

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# Metadata portal

## Unit Types

**Arbejdssted**

**BBR enhed**

**Bolig**

**Bygning**

**Ejendom**

**Firma**

Company - no of employees

**Husstand**

**Job**

**Person**

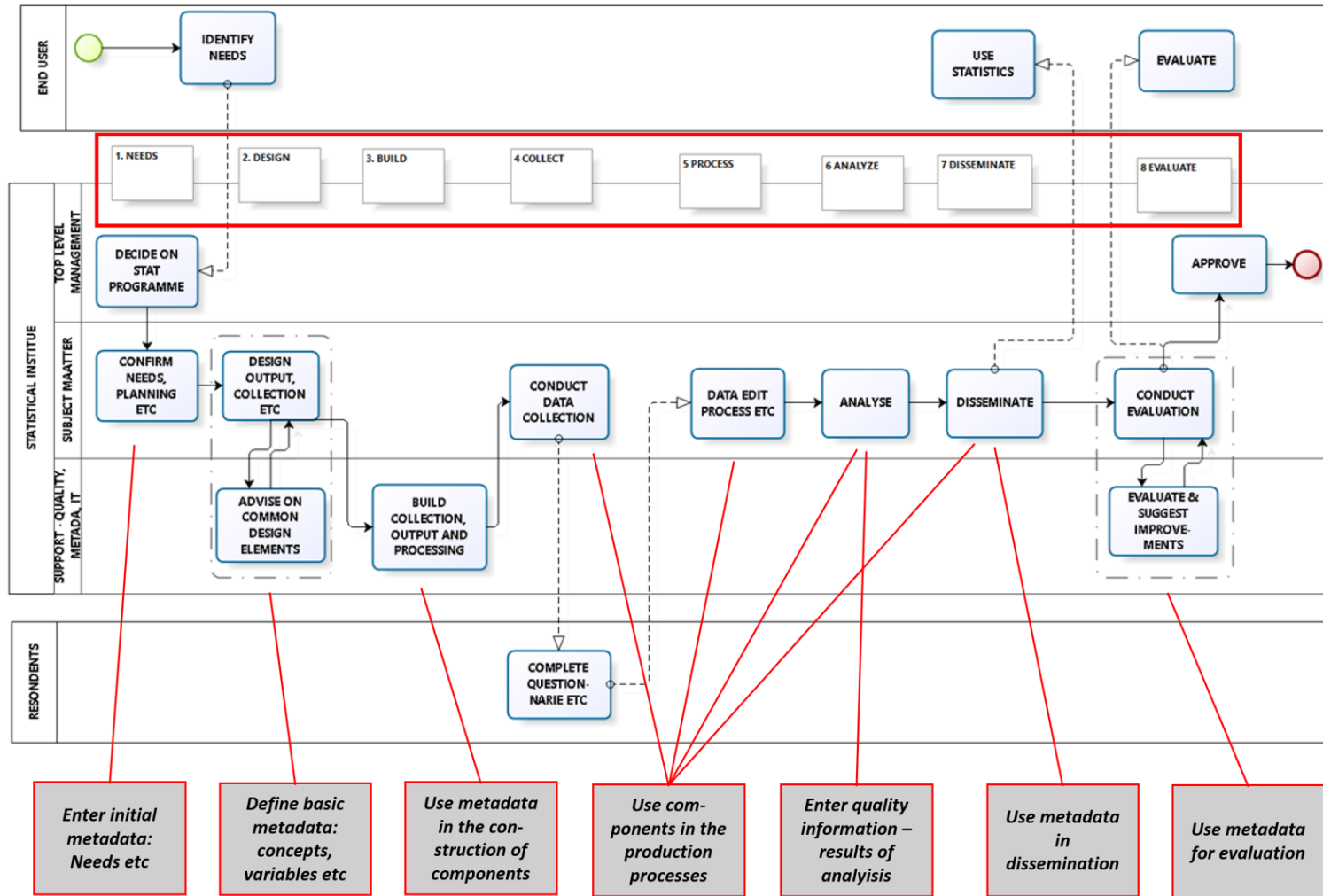
Person gender conceptual variable

Person's age at onset of disability conceptual variable

Person's address

[Civil status conceptual variable](#)

# Meta- data and busi- ness proces- ses

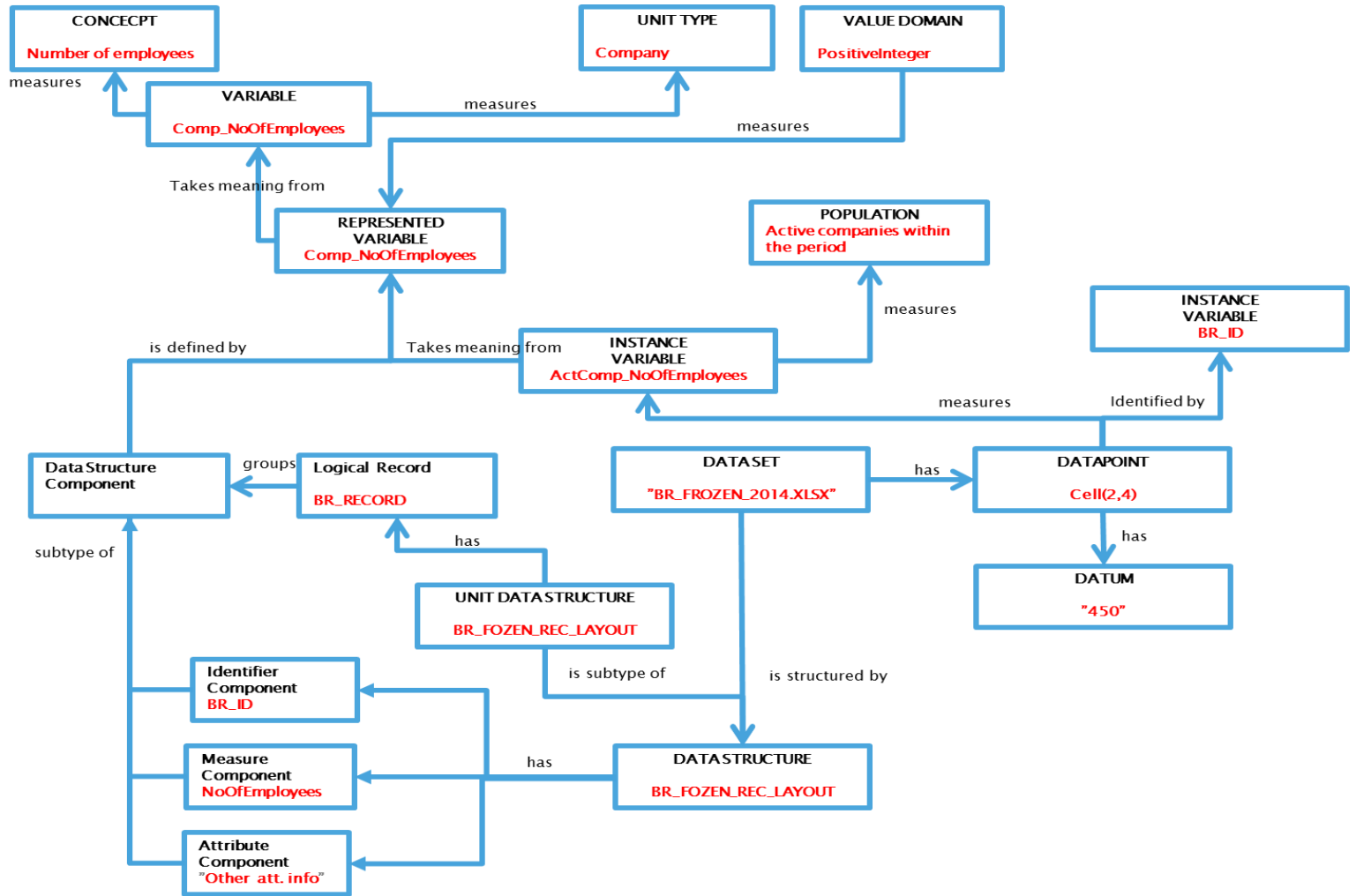


# From GSIM to DDI and implementation in Colectica

<i>Level</i>	<i>Scope of model and standards used</i>
Conceptual 1	Selected terms from GSIM: concept, variable, dataset etc.
Conceptual 2	Selected terms from DDI 3.2 complying with GSIM terms
Logical	Selected elements from DDI 3.2 used for implementation
Physical	Logical model extended with Colectica implementation details

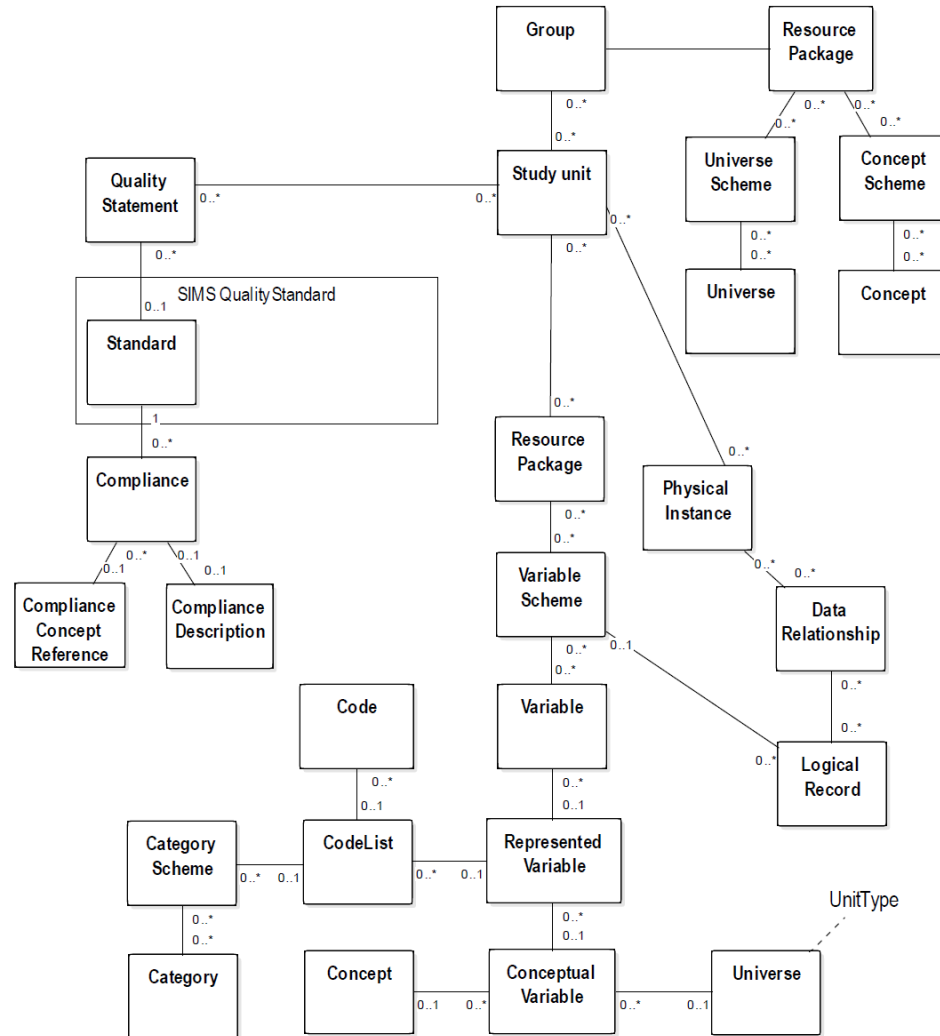


Conceptual model  
Selected elements  
from GSIM



# Logical model using DDI 3.2 implemented in Colectica.

## Basic parts comply with GSIM



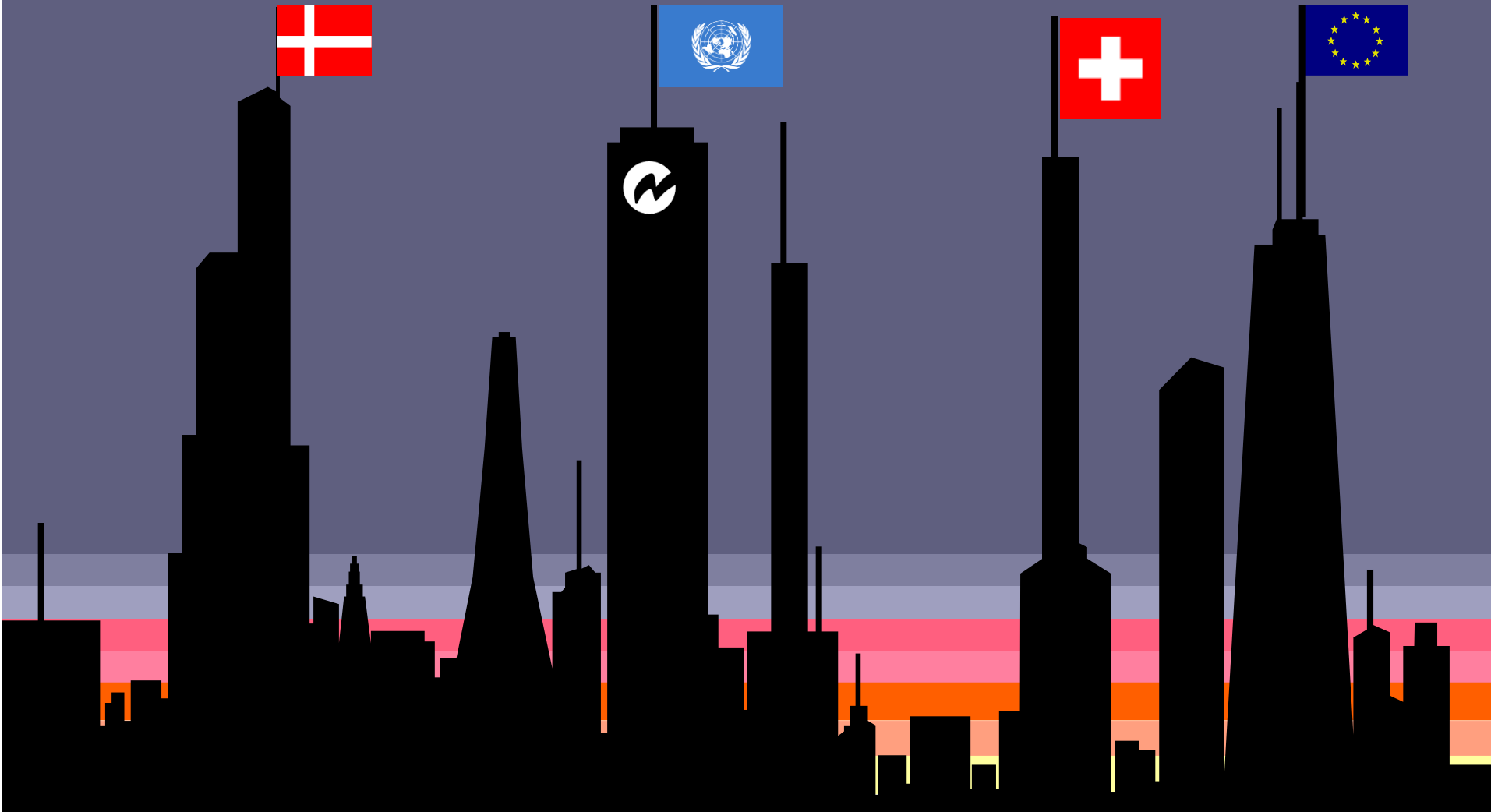
# Conclusions

- No simple road towards the vision for metadata
- Important to have a precise understanding of metadata terminology, the use of metadata in processes and metadata in relation to users.
- Systematic use of Business Process Management and Enterprise Architecture is important
- Need for international standards and cooperation to succeed with the implementation (e.g. this workshop, cooperation between Nordic countries)

# Thanks for your attention

Remember:

- DDI conference in Cologne 6-7 December 2016



The End!