

# Mission on

## Activity E4.1

### ***Building Metadata Systems – Necessary Milestones for a Working Plan***

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## **>> Agenda**

- 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**



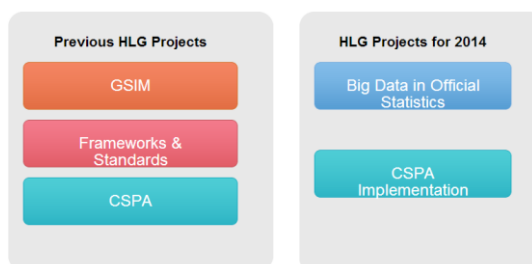


# Standards



## High Level Group for the Modernisation of Statistical Production and Services

Set up by the  
Bureau of the  
Conference of  
European  
Statisticians in  
2010



**Tasks:** Oversee and coordinate international work relating to statistical modernisation.

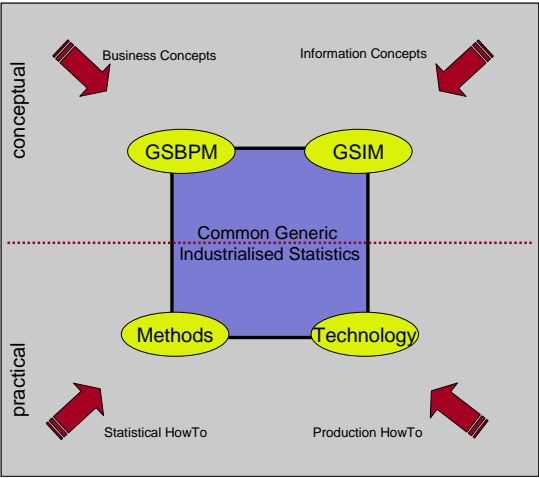
**GSIM:** Generic Statistical Information Model

**CSPA:** Common Statistical Production

Architecture



# Business concepts and informations concepts



## The Generic Statistical Process model

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 outputs	7.1 Update output systems	8.1 Define archive rules	9.1 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 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 & edit	6.3 Scrutinize & explain	7.3 Manage release of dissemination products	8.3 Preserve data and associated metadata	9.3 Agree action plan
1.4 Identify concepts	2.4 Design frame & sample methodology	3.4 Test production system	4.4 Finalize collection	5.4 Impute	6.4 Apply disclosure control	7.4 Promote dissemination products	8.4 Dispose of data & associated metadata	
1.5 Check data availability	2.5 Design statistical processing methodology	3.5 Test statistical business process		5.5 Derive new variables & statistical units	6.5 Finalize outputs	7.5 Manage user support		
1.6 Prepare business case	2.6 Design production systems & workflow	3.6 Finalize production system		5.6 Calculate weights				
				5.7 Calculate aggregates				
				5.8 Finalize data files				

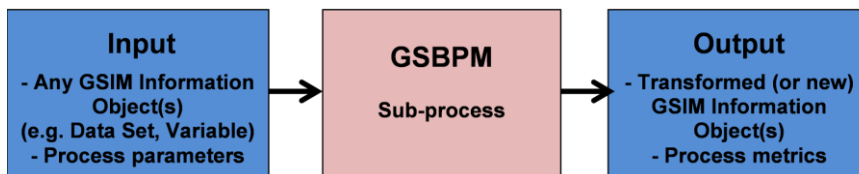


## Why have a common business proces model

- **Common (generic) description of the workflow in the production of official statistics**
- **International standard - used by many NSI'S**
- **Process orientation is the starting point for**
  - Quality models (Code of Practice, Quality Assurance Framework etc)
  - Metadata models (DDI, SDMX ETC)
  - Processes that handle feedback and knowledge in relation to user
- Project management models



## GSIM is complementary to GSBPM



- **Things that flow between GSBPM sub-processes**
- **Things that drive and integrate sub-processes**



## >> So what is GSIM?

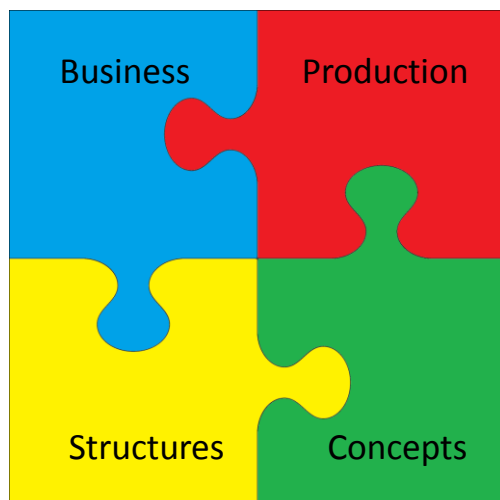
**A reference framework of information objects:**

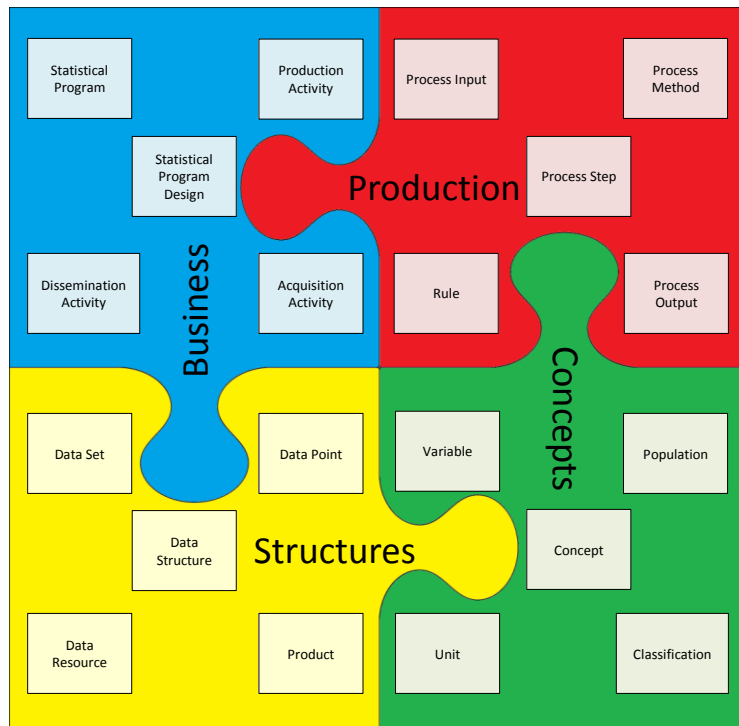
Definitions

Attributes

Relationships

**GSIM aligns with relevant standards such as DDI and SDMX**





## >> Umbrella perspective

### GSIM and other standards

