Session 5 – Metadata flows within the GSBPM

Introduction

This document is a work document to be discussed, updated and completed in the group discussion on topic (v) of the METIS workshop. This topic aims to consider what kind of and how statistical metadata are created, managed, and used within and between the different phases of GSBPM.

Sources used

The sources used to create this work document were:

Generic Statistical Business Process Model - Version 4.0 - April 2009, prepared by Steven Vale; approved by the METIS Steering Group in April 2009;
DDI and SDMX (Presentation), prepared by Arofan Gregory / Pascal Heus;
ESMS - Euro-SDMX Metadata Structure;
Text mining GSBPM to identify IOCs (Information Object Candidates), prepared by Jenny Linnerud
The practical experience of Statistics Portugal in dealing with metadata in the support given to subject matter departments;

Methodology used

Whenever possible, the names given to the metadata objects are those identified by the text mining, in order to potentiate coherence with GSIM;
The methodology used was:

For each GSBPM phase/subprocess:
- Identify the metadata objects managed in the phase;
- Identify the operations done with those objects;
- Identify the iterations of the objects within a phase or between phases;

It was not feasible to maintain all the phases in one worksheet because the table size hindered its reading and comprehension; for this reason each phase is represented in a different worksheet;

Each phase is represented by a table, with the sub-processes in column, and the metadata objects in line; Each cell contains the operation that is applied on the metadata object in the sub-process;

The symbols used and their meaning:

Within each phase the flow and interaction between metadata objects is implemented with arrows;

To implement the flow and interaction between metadata objects in different phases , a numerated round symbol was used;

The iterations between metadata objects, in the same sub-process or in different sub-process in the same phase are indicated with the curve arrows embracing the objects involved;

This arrow is used to indicate that an object can have an iteration with a precedent phase;

The lack of knowledge of DDI by the author, didn't allow to go further in this work, but we believe that the knowledge of DDI can improve very much this work, mainly in the archive phase and in the 2.3 (Design data collection methodology) sub-process;

SDMX can be also a good source to complete this work.

The metadata objects in red are considered quality indicators or other metadata needed to obtain the final results (weights);

Under each table, for each phase we present a brief explanation of the life cycle of the metadata objects within the phase.