UNECE High-level Group for the Modernisation of Official Statistics

Business Case for Using SDMX, VTL and DDI to implement GSIM

This business case was prepared by the Supporting Standards Group and is submitted to the HLG-MOS for their approval.

Type of Activity			
X	New activity	☐	Extension of existing activity

Purpose

The Supporting Standards Group task team that is developing the relation from DDI and SDMX to GSBPM has found that the mapping developed at a process level needs to be complemented with the description of DDI and SDMX as GSIM information classes, in order to provide guidance to the statistical offices that can improve their information production processes when using these standards (which are widely used by the official statistics community).

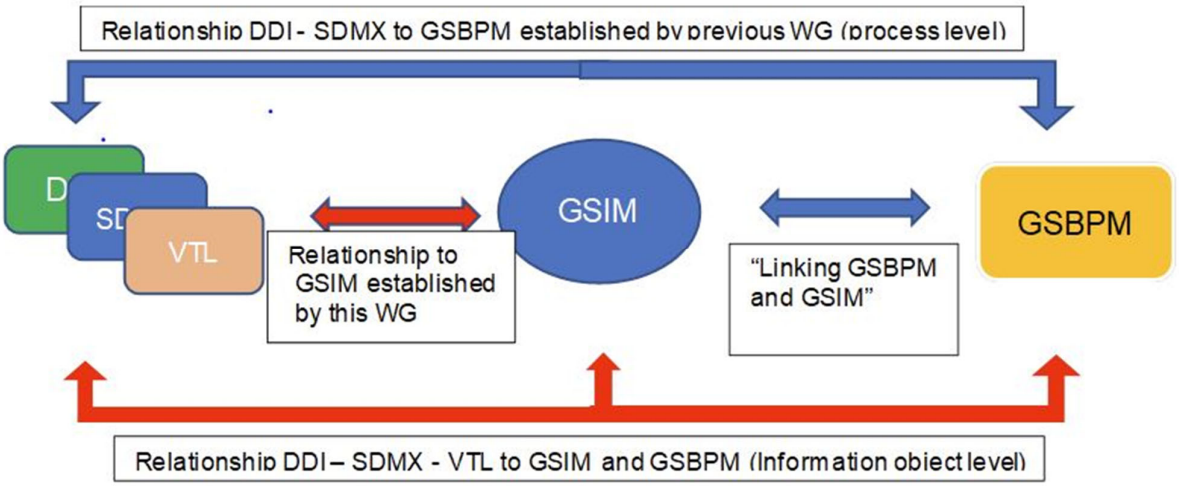
This work serves as a practical implementation of GSIM that may improve the way it is understood by statistical offices, making it easier to build reusable statistical components to extend the support of those standards to subprocesses of the GSBPM which are still uncovered.

Description of the activity and the Work Packages/sub-activities

The activity will consist of an analysis of the elements that comprise the standards DDI, SDMX and VTL and the way they can be described in terms of GSIM classes. The work will take as a basis the relationship established between DDI/SDMX and GSBPM (the previous SSG activity) as well as the document "*Linking the Generic Statistical Business Process Model (GSBPM) and the Generic Statistical Information Model (GSIM)*" (published in January 2022).

The sub-activities envisioned as a starting point are:

- Identification of the core artefacts described in SDMX, DDI and VTL information models.
- Relation of the use of each core artefact to the relevant GSIM classes of each group.
- Mapping of the core artefacts to GSIM information classes.
- Assembling GSIM information classes to generate use cases describing their role and how they are used in the statistics information lifecycle using the GSIM vocabulary.
- After mapping the core of DDI, SDMX and VTL to GSIM classes it will be possible to clearly define for each standard which are the inputs and outputs for each GSBPM sub-process, based on the "Linking GSBPM and GSIM" document.



Deliverables and timeline	
The output of the activity will be a document describing the DDI, SDMX and VTL artefacts as GSIM information classes, and by extension, which are the DDI, SDMX and VTL information classes that relate to each GSBPM sub-process. (Given that there is a proposal for a parallel activity to revise and expand CSDA, the relationship to CSDA will be done at a later date.) The activity is proposed to be performed during 2024.	
Offices/Countries committed	
Banca d' Italia, BIS, U.S. Bureau of Labor Statistics, CBS Netherlands, ILO, INEGI, INSEE, KSH Hungary, OECD, Statistics Canada, Statistics Iceland	
Alternatives considered	
If the activity is not carried out, the impact of the current activity (GSBPM/DDI/SDMX relation) will be limited to the mapping of the standards at the level of subprocesses, and the need to clarify how the elements of these standards are described in a common language like GSIM will persist. Comparison of the similarities, gaps and overlaps between SDMX, DDI and VTL will still be difficult.	
How does it relate to the HLG-MOS vision and other activities under the HLG-MOS?	
It is closely related to the vision of the HLG-MOS, as it is related to the practical use of GSIM to describe other standards broadly used by the statistical community.	
Proposed start and end dates	
Start: January 2024	**End:** December 2024