



Use of the SDMX Information Model to Build Transversal IT Platforms

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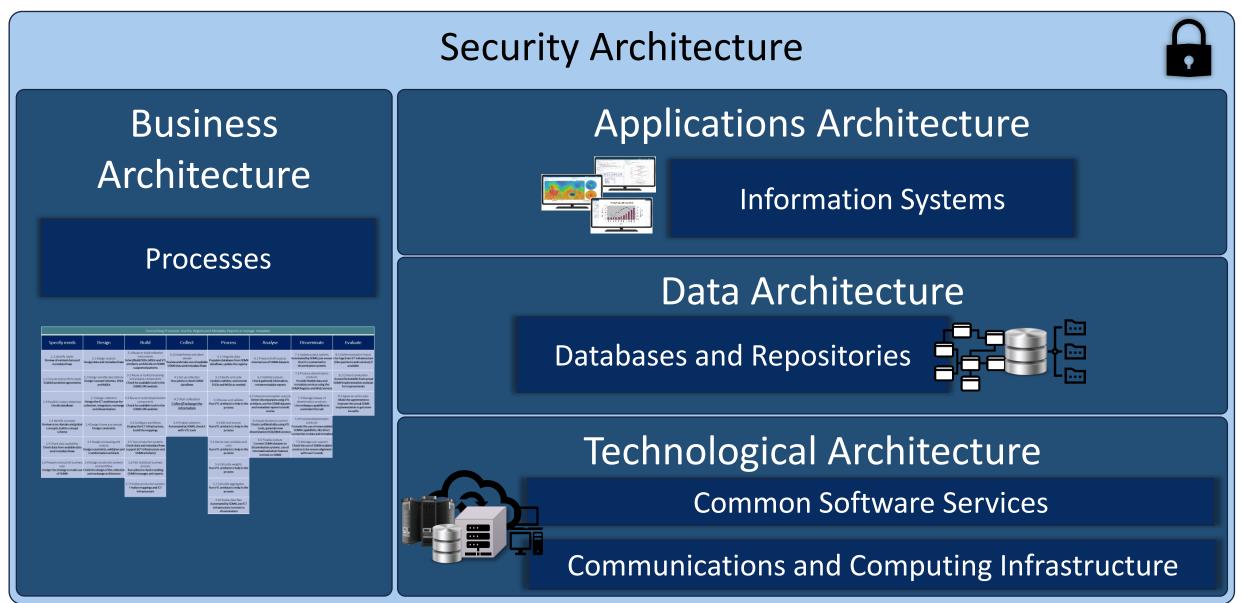
A structured set of technologies supporting the aspects defined by an architecture for the whole enterprise.

Cybersecurity **Information Systems** Databases and Repositories **Common Software Services** Communications and Computing Infrastructure

IT Platforms



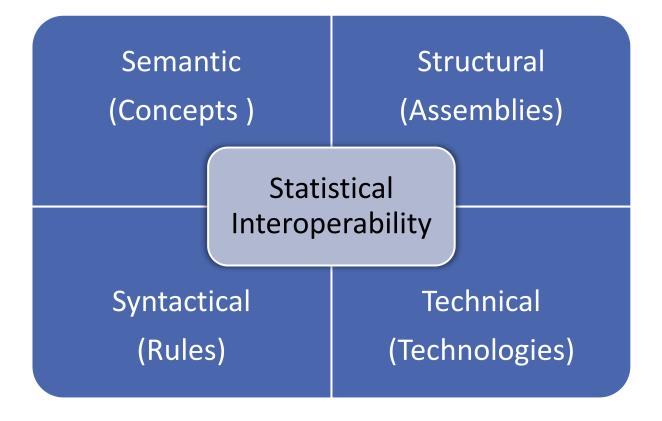
IT Transversal Platforms and Enterprise Architecture



Statistical Interoperability

Capacity to share and make use of statistical information among different parties or electronic systems without distortions of its meaning, not needing to communicate to get additional specifications ⁴ or make ad-hoc adjustments for each specific case.

Implies achieving minimum compliance regarding the semantical, structural, syntactical, and technical aspects of the statistical data and metadata.

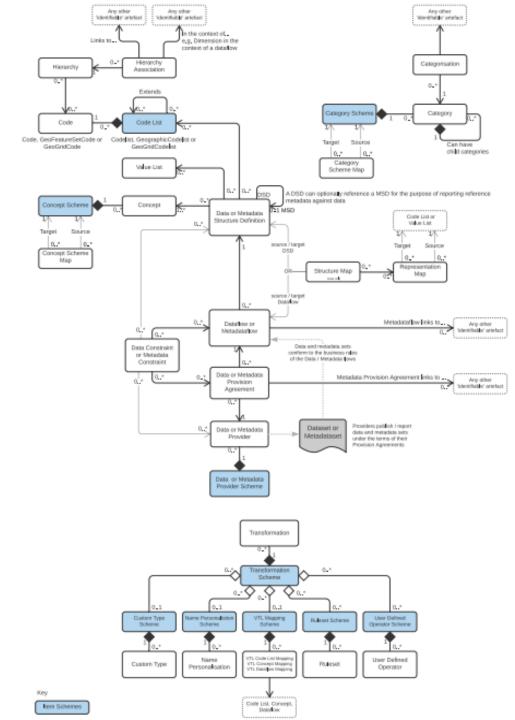




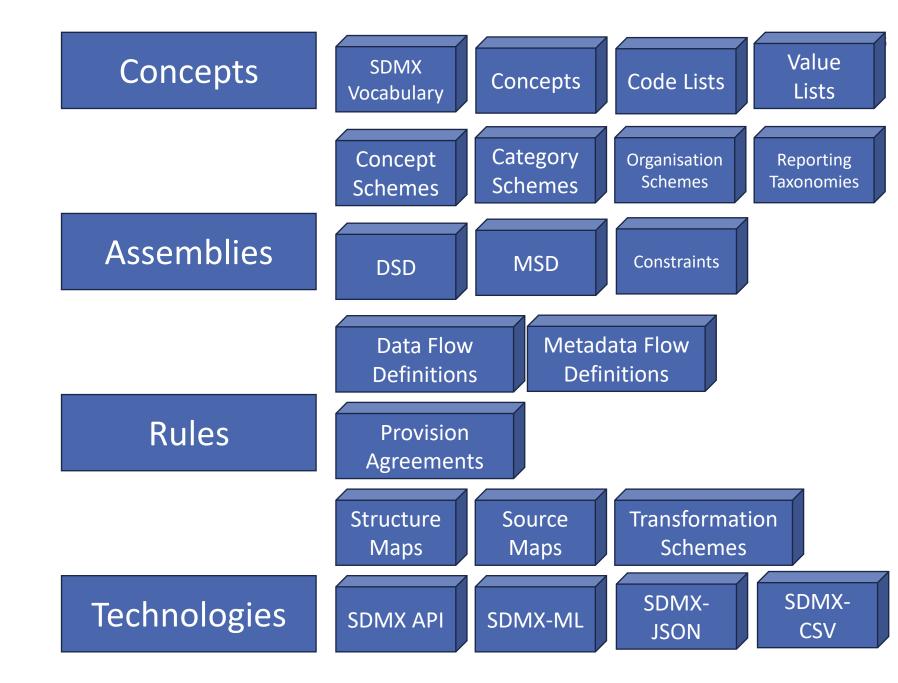
SDMX Information Model

A standardised object model for modelling statistical domains centring structure of their data and metadata sets, the coding schemes used classification, and the rules for controlling the exchange of data and metadata between organisations. This document provides a UML specification with a supporting narrative.





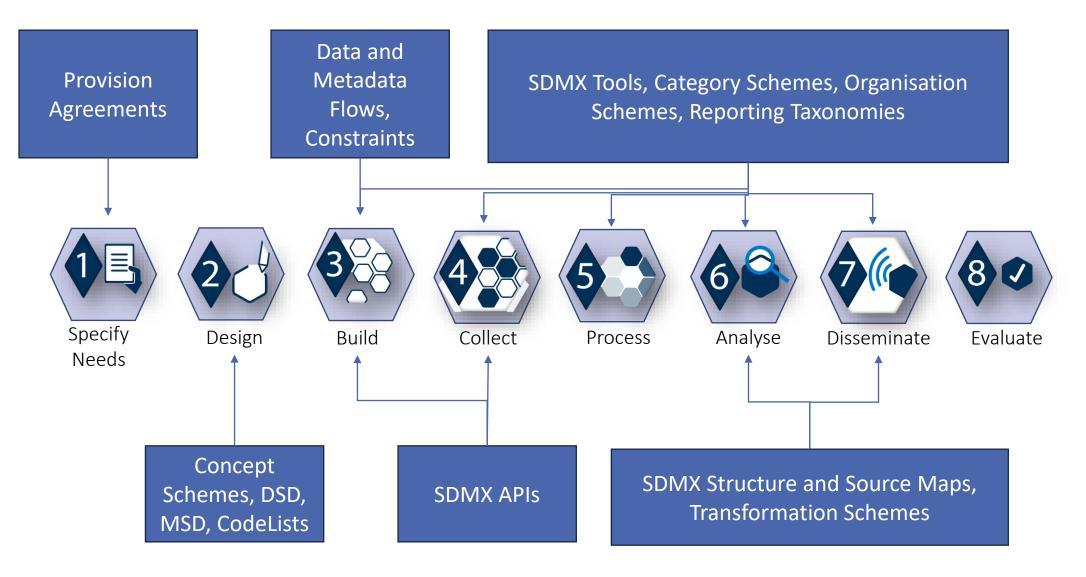
SDMX Artefacts as statistical Interoperability Building Blocks





SDMX Artefacts in the Statistics Information Lifecycle for the Construction of IT Transversal Platforms





Strong remark:

The ideas and patterns behind the SDMX Information Model are relevant for instrumenting the transversal platforms for internal uses, not the formats

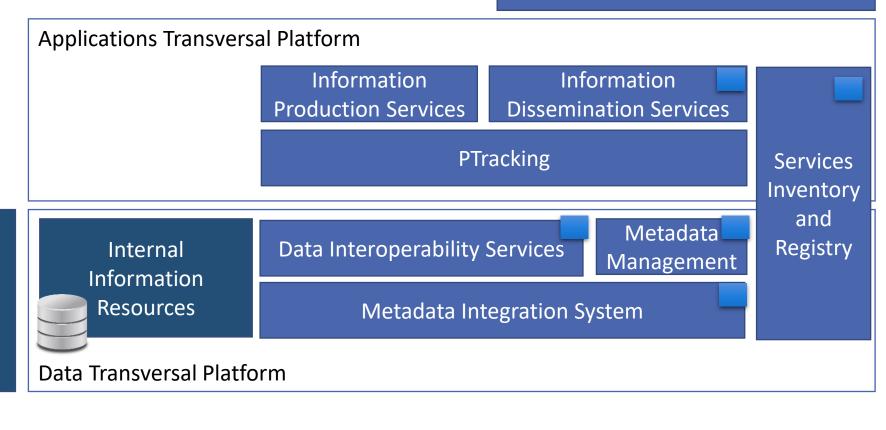


SDMX Information Model Inside

Consuming Applications

ConceptDriven Information Systems Platform

External Information Resources



Common API communicate the different modules of the platform

SDMX Information Model contains valuable artefacts that are useful for achieving statistical interoperability

(interoperability is in SDMX DNA)

Can be used to support the whole statistical production process

(tool to improve information production process)

It can be used in combination with other standards and models to build enterprise-wide platforms

(a relevant component of the statistics standards and models ecosystem)

Finally: Don't think that the SDMX concept is limited to its technological components: REST, XML, JSON, CSV, and so on... (the concept of SDMX goes beyond the formats)

