

Sequence of steps to produce a complete Data Model mapped to the SDMX standard and a tool which supports model maintenance.

	Type of Model	Purpose	Major activities	Mapping to SDMX Standard		Most impactful tool for data modelling
Step #1	Conceptual Model (least complex)	What are the different entities in our data and how they relate to one another.	Statistics, population, classification variables, time periods are identified.	SDMX Information Model	This is the primary area of focus for Statisticians. The information model can be used to describe any multi-dimensional dataset regardless of domain.	Fusion Metadata Registry (FMR) is an open-source tool designed specifically for managing the outputs of these modelling activities.
Step #2	Logical Model	What are the details of our data.	Variable types and Value sets are fully specified. In SDMX terminology, this corresponds to “representation”.			
Step #3	Physical Model (most complex)	How exactly will we implement the data model in our systems and databases.	Tools and databases are modified or implemented.	SDMX Technical Standard	Shared open-source tools have been created and are continuously being enhanced to support data models defined by any organisation for any domain of statistics and respond to the needs of the entire statistical data lifecycle.	