

SDMX

in Data Collection, Data Dissemination and
Data Modelling
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What is SDMX?

Standard/initiative for exchange and dissemination of statistical data and metadata

- Sponsored by 7 international organisations (BIS, ECB, Eurostat, IMF, OECD, UNSD, Worldbank)
- ISO standard (since 2005, version 2.1 since 2013)
- Has a permanent governance structure with a statistical and a technical working group and ownership group(s)
- It is made up of an information model, its XML, JSON and EDI implementation, web-service and registry definitions and an ever growing set of guidelines

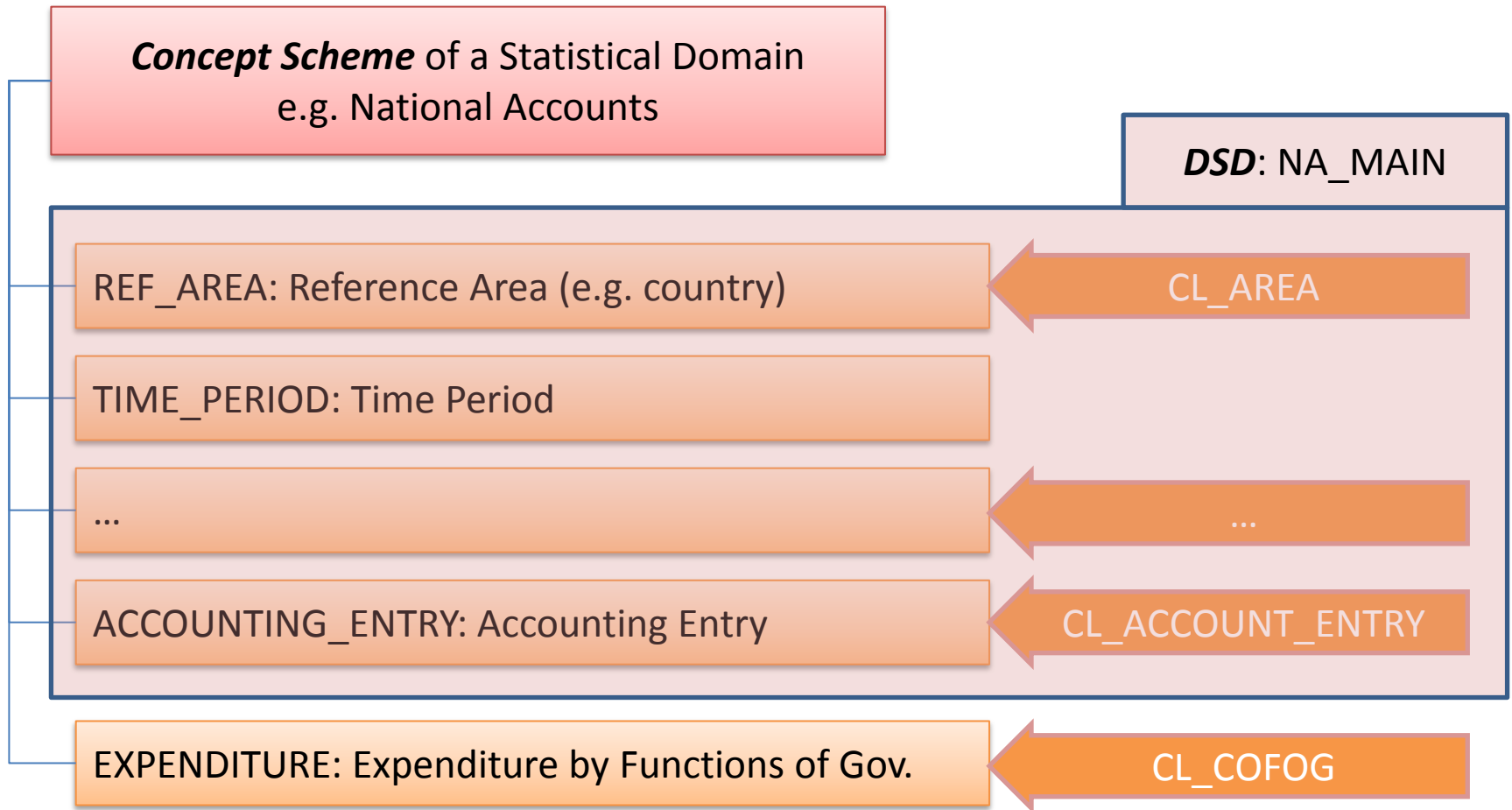
Why SDMX?

- Internationally agreed structures and code-sets for major statistical domains, which means that **content will be widely understood** without further co-ordination
- **Readily available tools**, allowing a quick-start (registries, web-services, converters, a growing number of CSPA-tools)
- **Easy** (structural) **validation**
- **Open-readiness** as a potential by-product

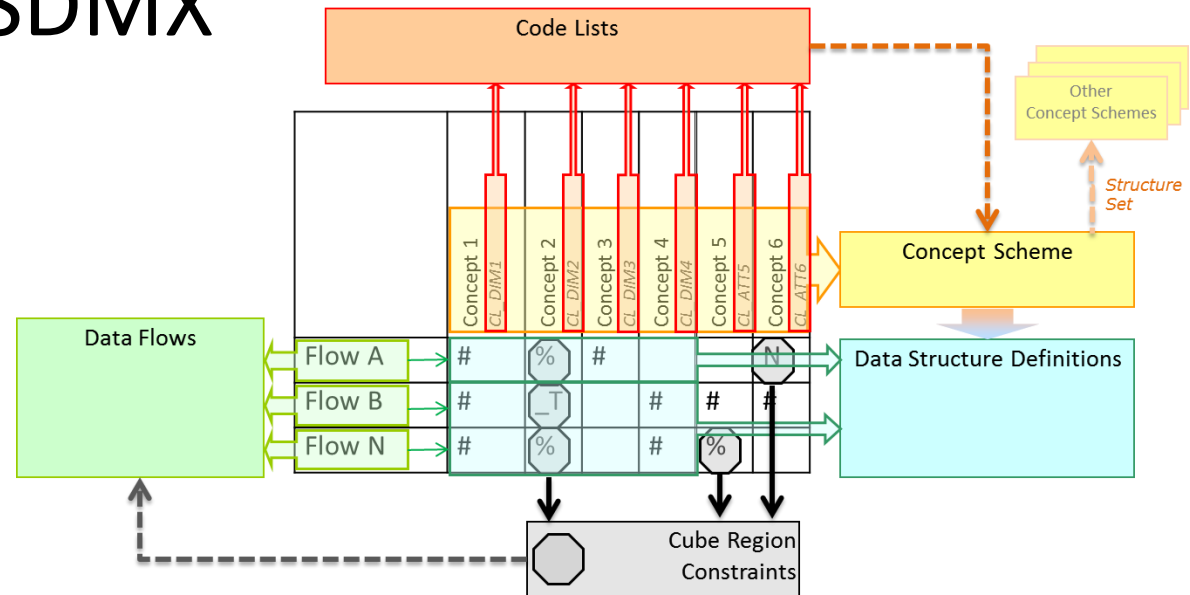
Global DSDs and other artefacts

- Domains completed - hosted in the global registry:
 - National Accounts + Government Finance Statistics
 - Balance of Payments + Foreign Direct Investment
- Work in progress:
 - International merchandise trade statistics
 - Education
 - Labour
 - Prices
- Some other initiatives also in progress or planned
- One global multi-domain DSD exercise for Sustainable Development Goals (SDG)

A few SDMX artefacts



Guidelines for modelling a statistical domain in SDMX



- A step-by-step guide to determine the optimal number of DSDs to fully cover concepts in a statistical domain and conveniently fit to existing/envisaged data-exchanges
- It complements the content oriented guidelines and generic guidelines on designing DSDs and cross-domain code-lists

Benefits

- Speeds up/focuses the negotiation process between organisations planning data exchanges
- It can serve as a reference to optimise the design of datasets in data-warehouses

Project management checklist (clickable)

