



Webinar hosted by the .Stat Academy

Using ILO SDMX tools for data preparation and modelling for the .Stat Suite

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Topics to cover

Background & Scope

SDMX Constructor

Data modelling & structural data preparation in LMIS (DEMO)

Data preparation & uploading using SMART (DEMO)

Advancing social justice, promoting decent work

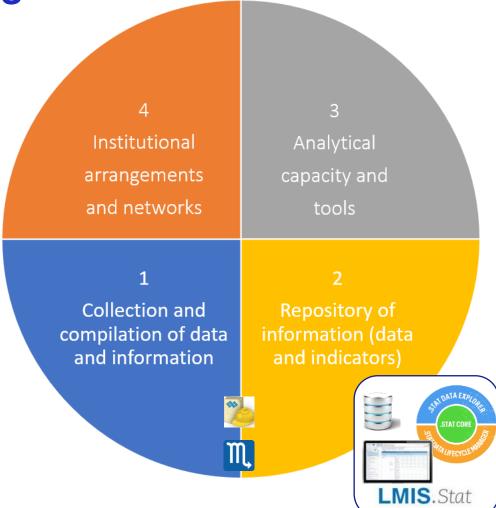
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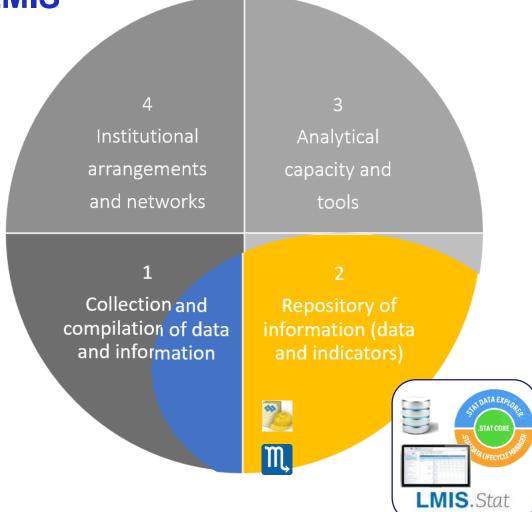


Main components of LMIS



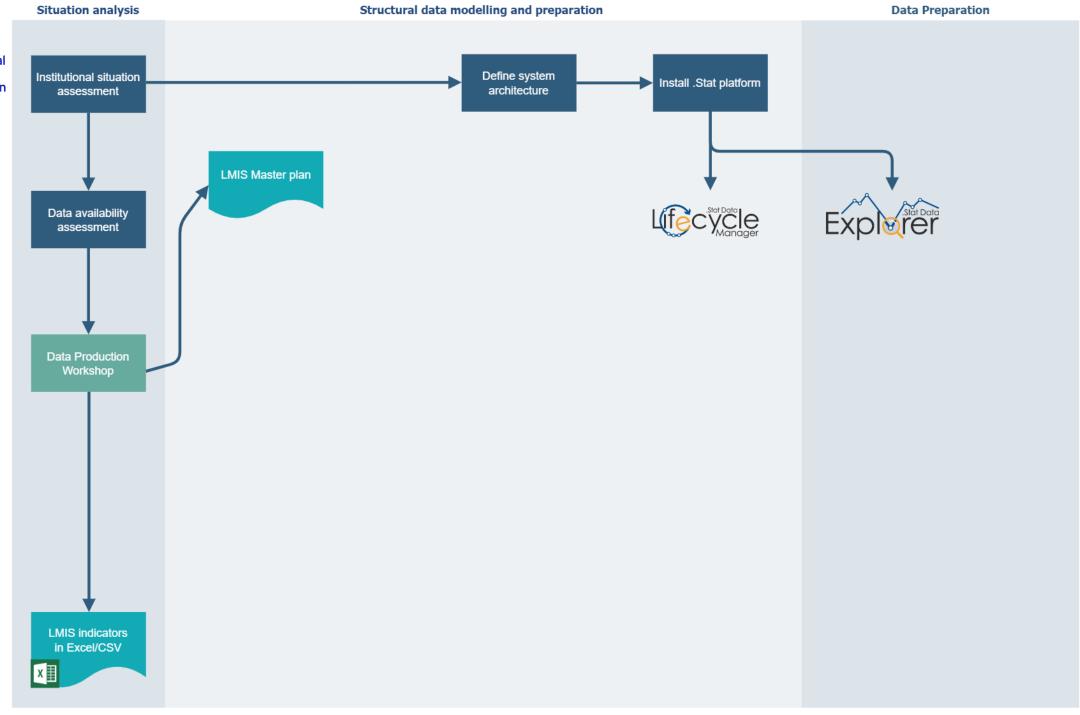


Main components of LMIS

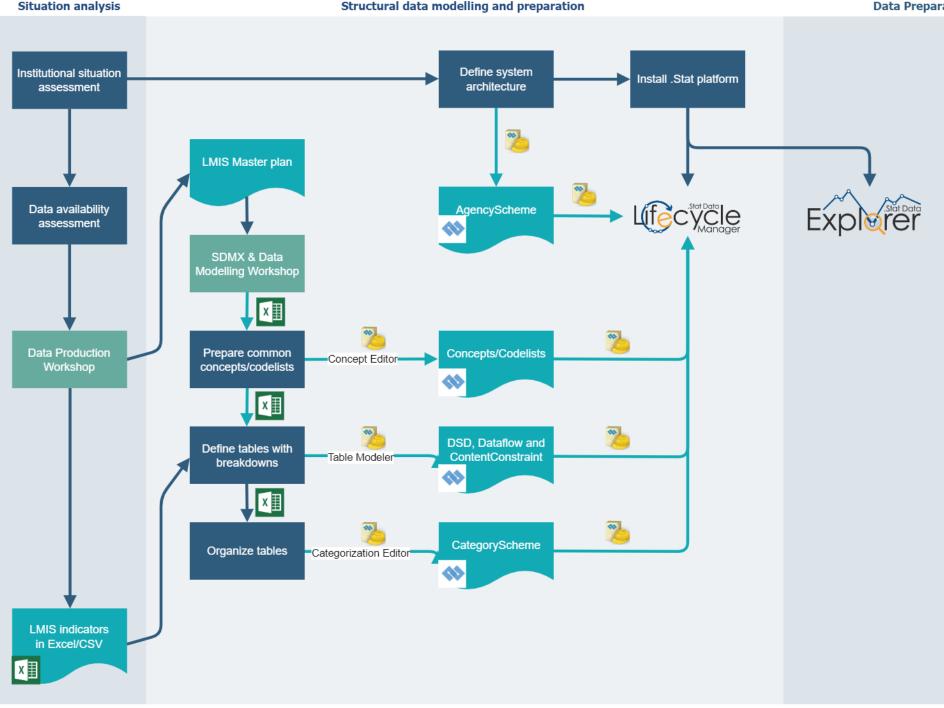




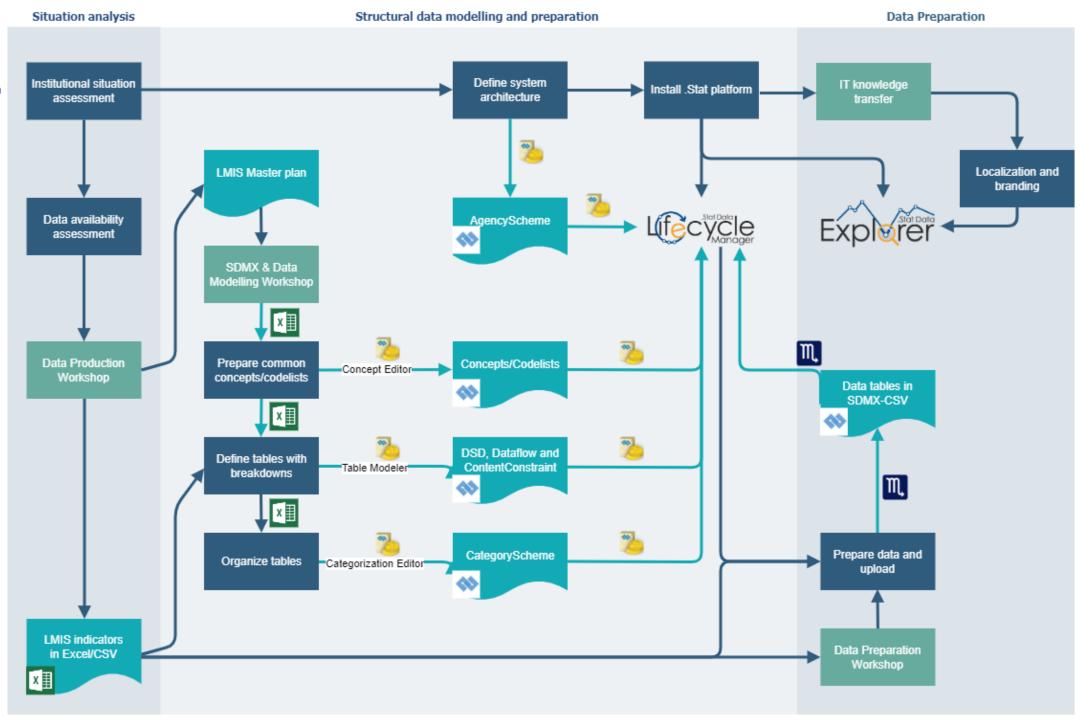
LMIS Implementation Workflow



LMIS Implementation Workflow



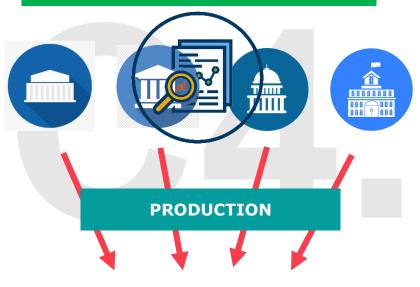
LMIS Implementation Workflow



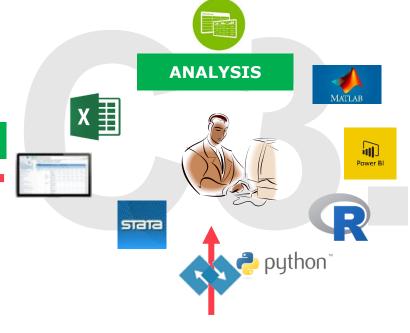
LMIS components information flow

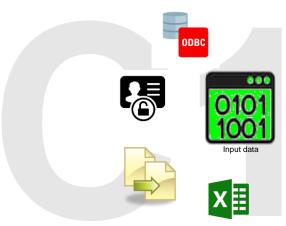


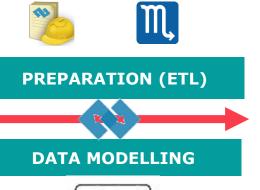


















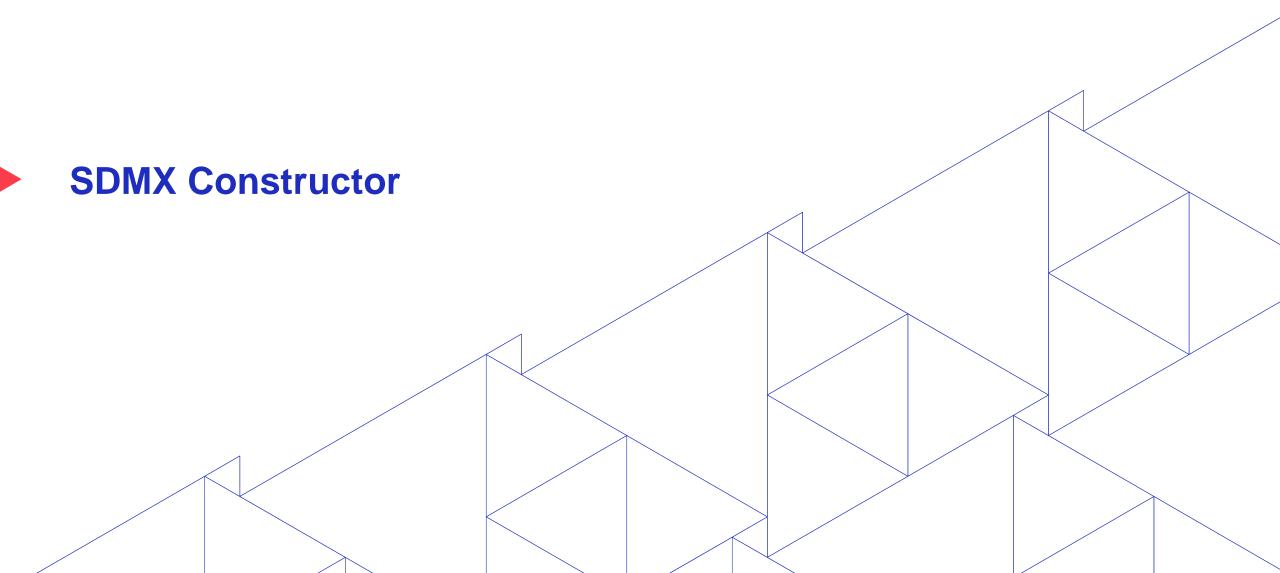
INSTALLATION



Scope of this presentation

- Start a new .Stat Suite instance
- ▶ Data modelling for **dissemination**, not for exchange and collection
- Modelling and preparation on aggregated data
- ▶ Referential metadata modelling is not considered
- ▶ Still ongoing projects → Lessons learned → Process evolution
- ► Hands-on, practical exercises





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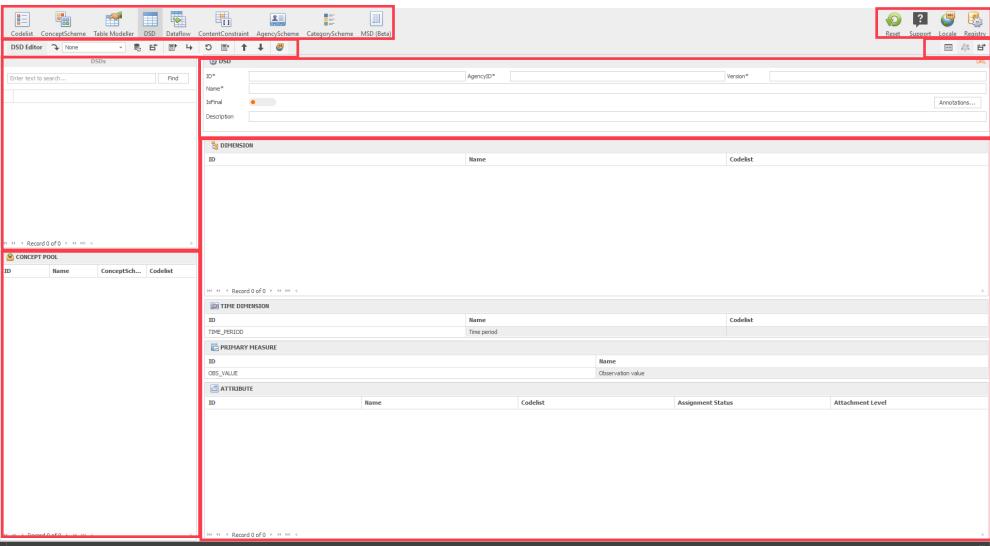
SDMX (DSD) Constructor

- A simple standalone tool, which is able to create and edit DSD/dataflow and all their related artefacts.
 - ► Free to use, free first-level support
 - Easy to install and update
 - Modularized editors
 - Support both offline (local) and online (registry) mode
 - Annotations management
 - Support up to 3 languages for names and descriptions
 - Google and DeepL translation API
 - Direct connection to .Stat DLM





Modular Design



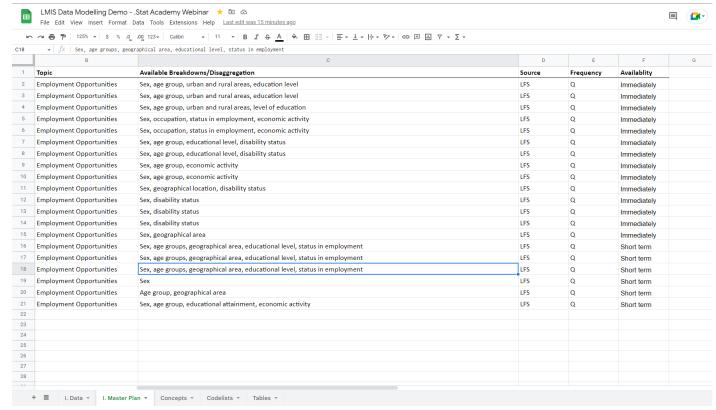


Demo Setup

- ► Input
 - ▶ Data tables in worksheet, I. Data
 - ► Master plan in worksheet, I. Master Plan

Modelling Template

- ► Concepts in worksheet, Concepts
- ► Codelists in worksheet, Codelists
- ► Tables in worksheet, Tables





Data modelling steps

- Verify the system connection
 - ► AgencyScheme
- Prepare the list of common concepts and define their representation
 - ► ConceptScheme, codelists
- ▶ Define tables by establishing the indicators and their respective breakdowns (**Table modeller**)
 - ▶ DSD, dataflow and contentConstraint
- Organize the tables by themes or any other criteria
 - CategoryScheme



Demo



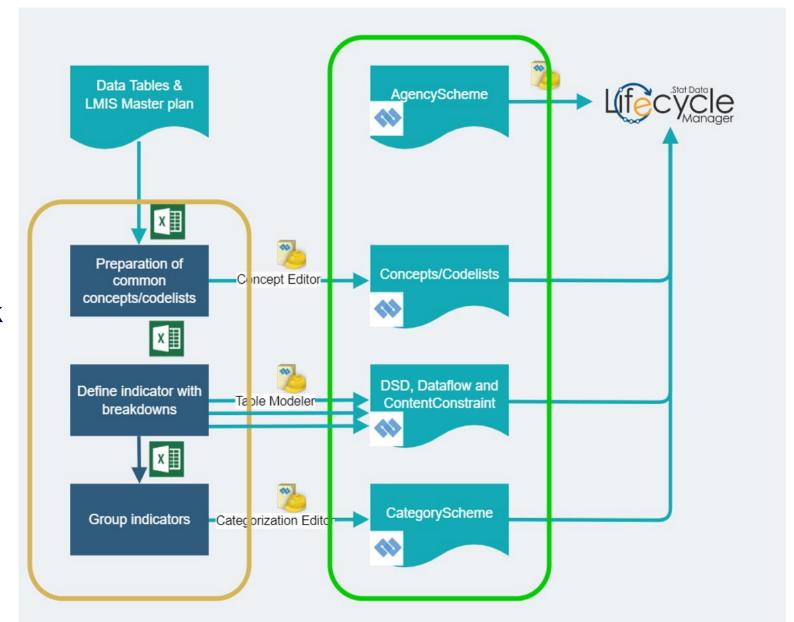






Annex: Modelling workflow

- Separate roles
- Joint/individual work
- Worksheets/XML
- Local/registry





Annex: SMART

To facilitate the production of data reporting

- Receive as input a micro dataset from LFS
- The specification of tables defined by means of **DSD** or Dataflow
- Data conversion for SDG reporting
 - Convert microdata to SDMX
- Data preparation to feed a dissemination platform like .STAT Data Lifecycle Manager (DLM)

