

SMART and **DSD** Constructor

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Overview

SMART

- ► Intro and key features
- ► Future plans

DSD Constructor

- ► Intro and key features
- ► Future plans

Live Demo



Statistical Metadata-driven Analysis & Reporting Tool (SMART)

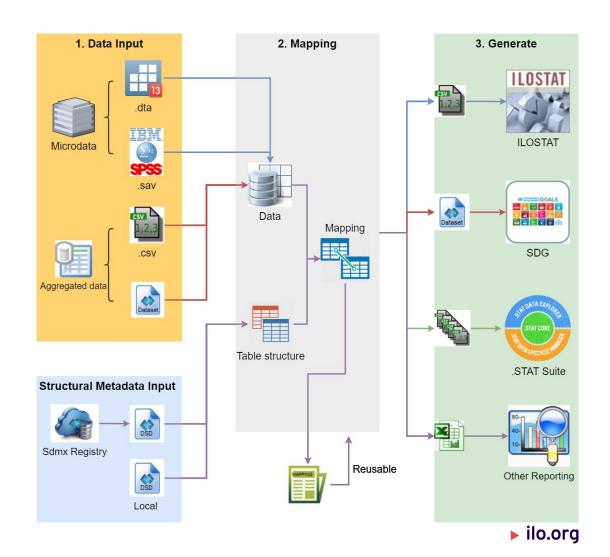




Evolution of SMART

To facilitate the production of data reporting

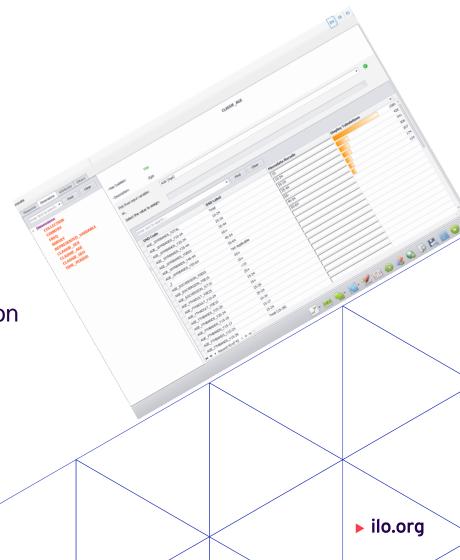
- Receive as input a micro dataset from LFS
- The specification of tables defined by means of **DSD** or Dataflow
- Data conversion for SDG reporting
 - Convert microdata to SDMX
- Data preparation to feed a dissemination platform like .STAT Data Lifecycle Manager (DLM)





Key features

- ► Free to use, free first-level support
- .NET desktop application, minimum installation requirements
- Automatic update using ClickOnce
- Table output structures defined dynamically via a DSD
- Process micro/aggregated datasets in Stata, SPSS, csv, SDMX-ML SDMX-csv
- ▶ Several output formats: Excel, csv, SDMX-csv, SDMX-ML, SDMX-json
- Online data and structural metadata query
- ► Reusable mappings and replicable procedures
- Batch utility SMARTcmd.exe allows auto-scripting



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Features planned

- Connect and push directly to .STAT Data Lifecycle Manager (DLM)
- Use structure sets to store mapping files
- ► Online Lite SMART conversion web API
- Open R console
- ► SDMX 3.0 compliance
 - ▶ Based on the "SdmxSource" library by EuroStat
 - ▶ Support for the new message transaction actions





DSD Constructor

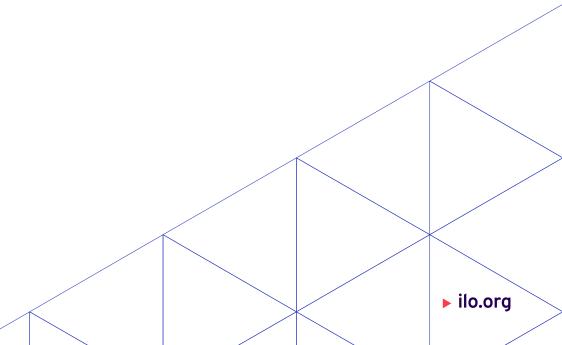




DSD Constructor

- ▶ Free to use, free first-level support
- SMART companion tool, easy to install and update
- Online connection to any SDMX registry
- Intuitive UI for creating/editing DSD and dataflow by combining concepts
- Comprehensive codelist editor
- Preview and manage categorization/categories
- ► ConceptScheme management
- Annotations management
- Push changes directly to .STAT Data Lifecycle Manager
- Support up to 3 languages for names and descriptions

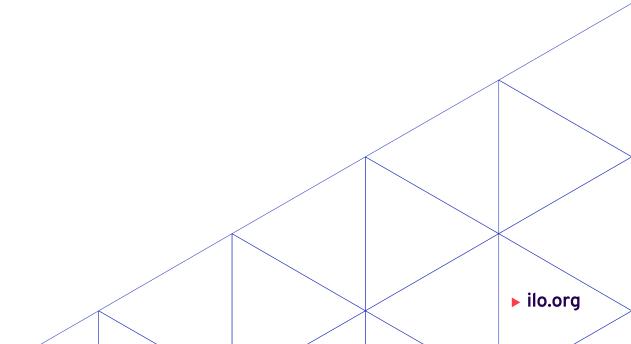
- A simple standalone tool, which is able to create and edit DSD/dataflow and all their related artefacts.
 - Drag & drop approach





DSD Constructor – Future plans

- Coherent and optimalized UI
- Management of allowed contraints
- ► SDMX 3.0 compliance
 - ▶ Based on the "SdmxSource" library by EuroStat
 - ▶ Support structural metadata maintenance in a registry





Live Demo





Thank you!

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