

9th SDMX Global Conference

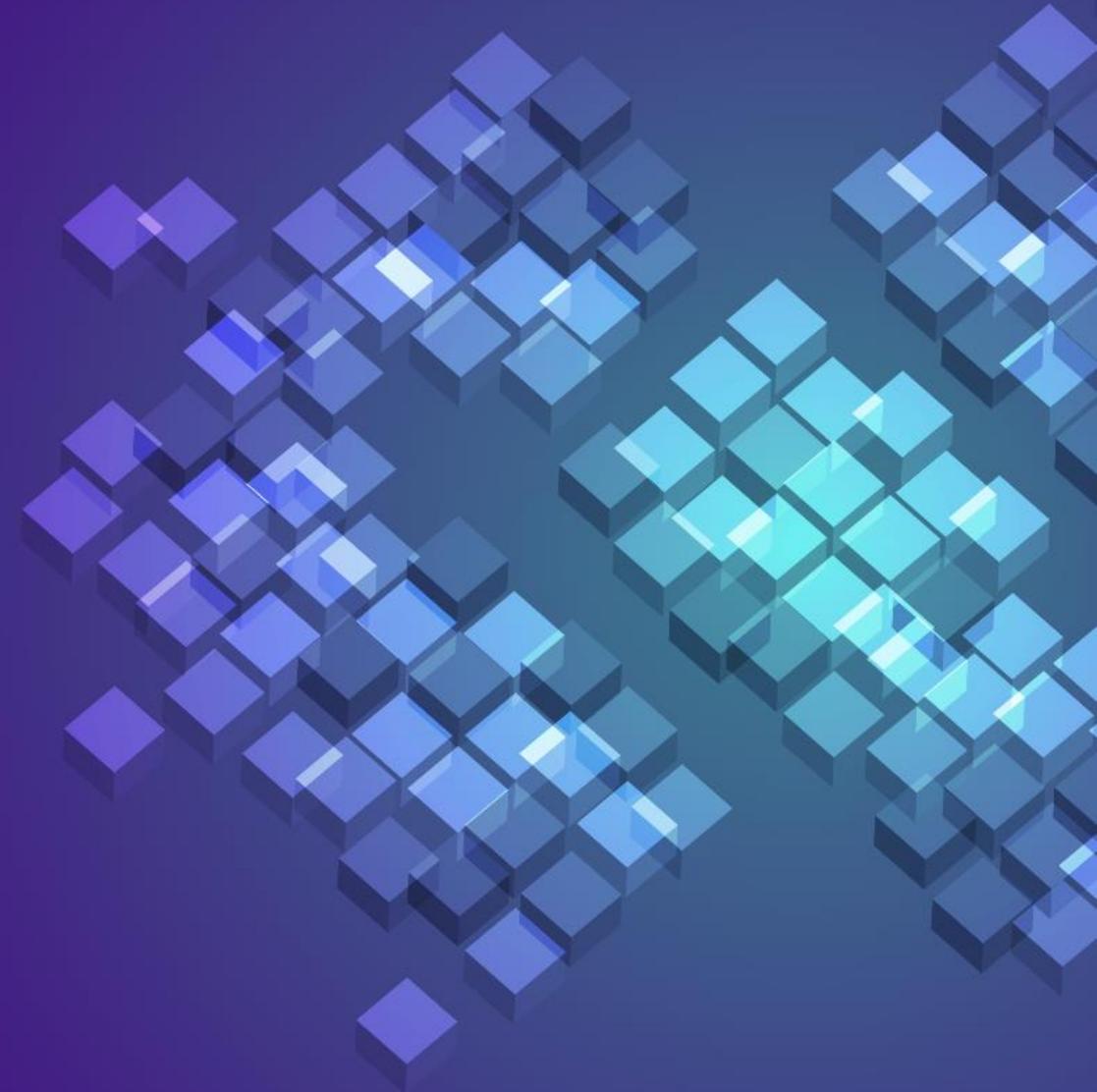
Empowering Data Communities

Modelling referential metadata in SDMX

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Content

- How SDMX handles referential metadata
- Global Metadata Concept Scheme (MCS)
- Metadata Structure Definition (MSD)
- Attaching referential metadata to DSD
- Excel Add-in for metadata editing
- Referential metadata presentation on .Stat Suite

How SDMX handles referential metadata

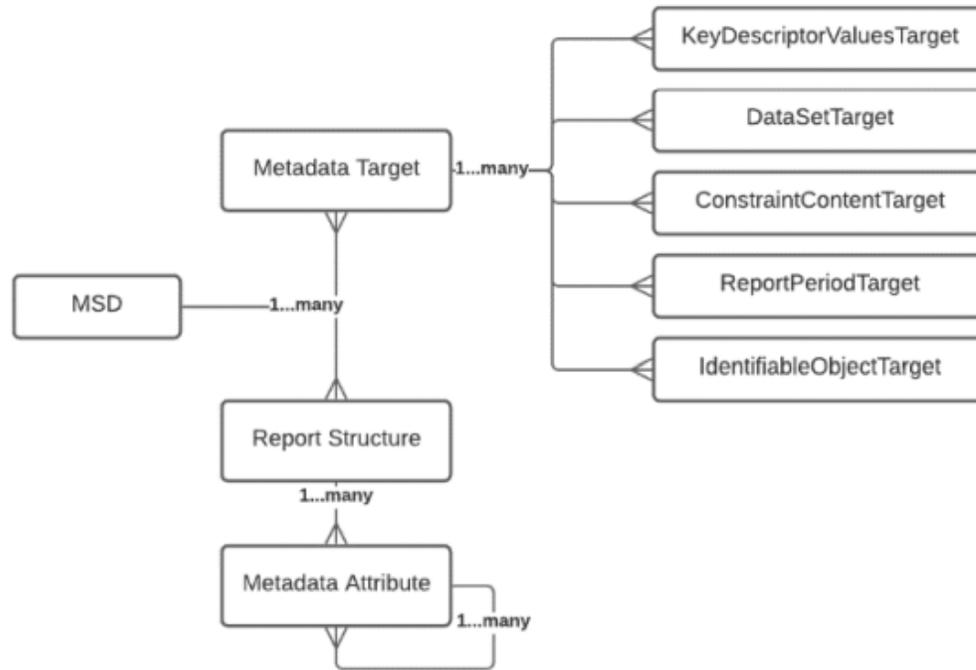


Figure 2 version 2.1 Metadata Structure Definition (MSD)

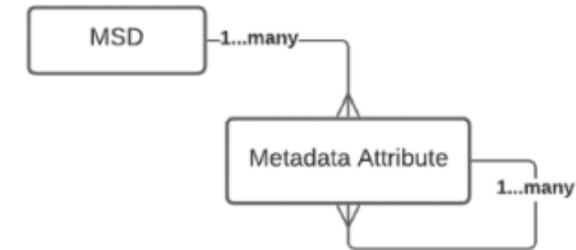
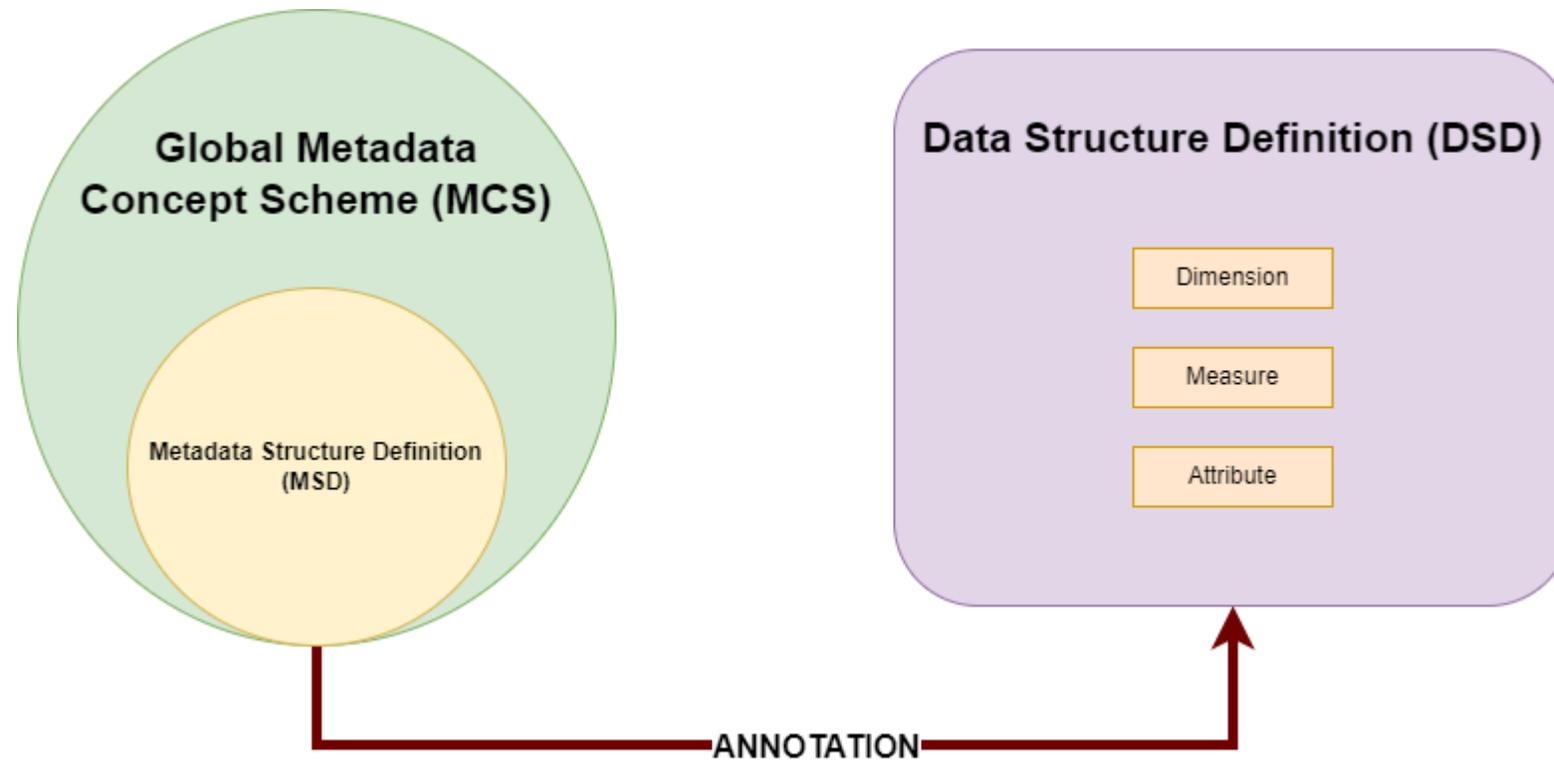


Figure 3 the simplified version 3.0 MSD

How SDMX handles referential metadata



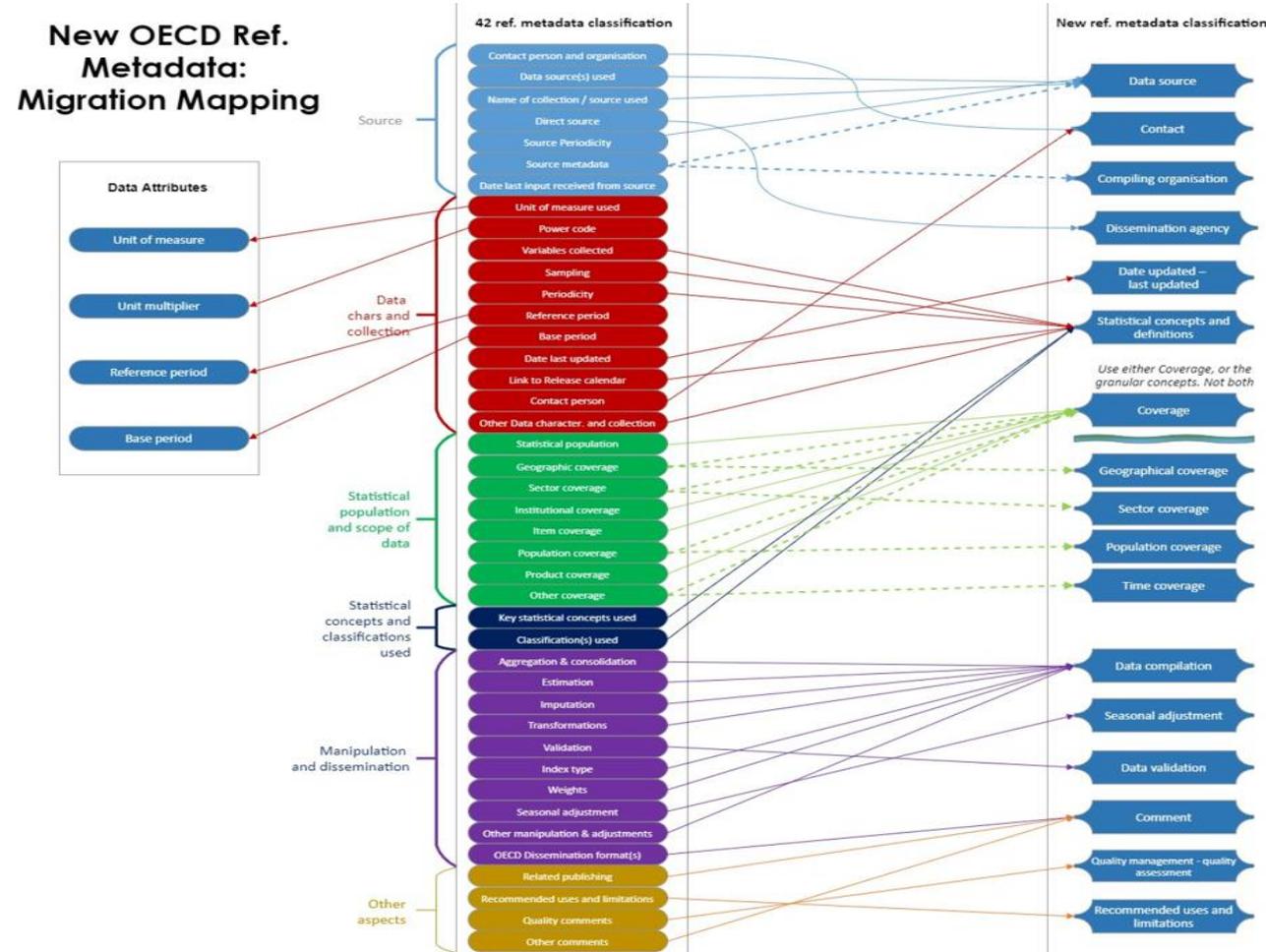
Global Metadata Concept Scheme (MCS)

- Avoid unnecessary duplications
- Homogeneous categories
- Standard list of reference metadata concepts

ADMINISTRATIVE INFORMATION

Name	Definition	Concept ID
Data source	Location or service from where data or metadata can be obtained.	DATA_SOURCE
Compiling agency	Organisation collecting and/or elaborating the data being reported. <i>Example usage: if an organisation receives data from a member agency and publishes it, the "Compiling agency" concept would be the member agency.</i>	COMPILING_ORG
Dissemination agency	Organisation disseminating the data being reported.	DISS_ORG

Metadata Structure Definition (MSD) – OECD case



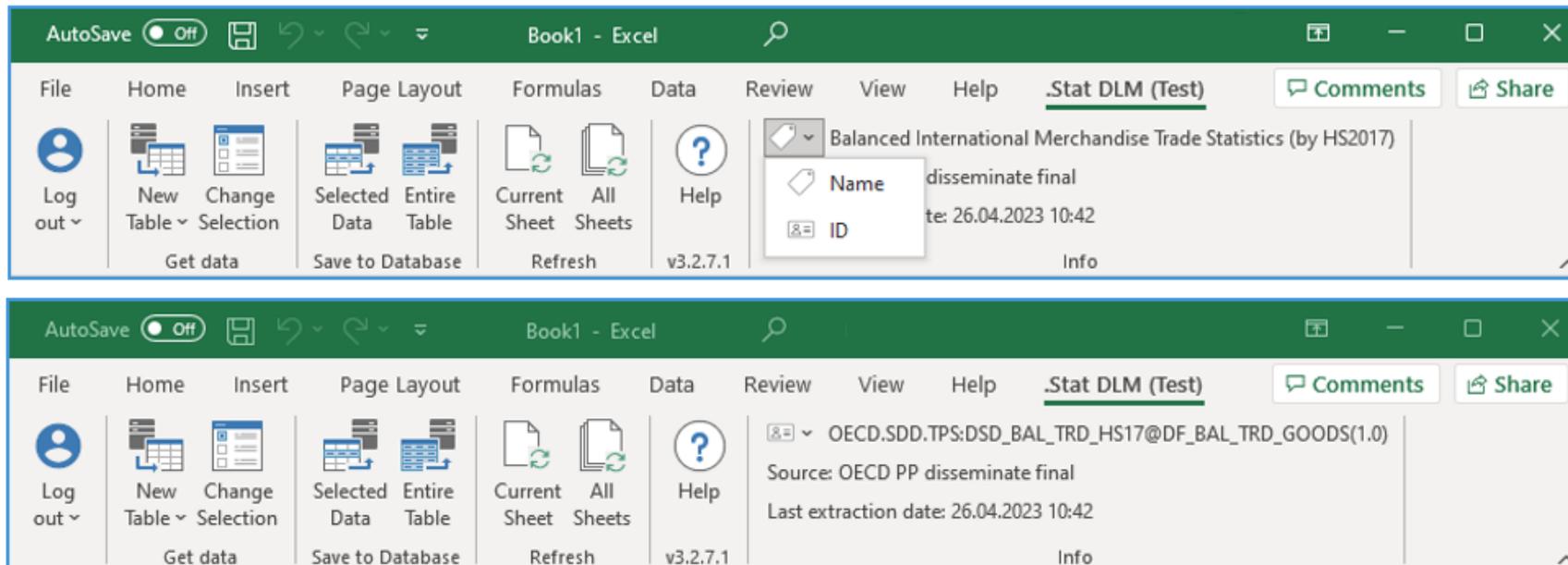
Attaching referential metadata to DSD

- Logical approach of the SDMX 3.0
- Attach ref.metadata to data through DSD
- Uses specific DSD annotation

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  ▼ <structure:DataStructures>
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      <common:Description xml:lang="en">Test</common:Description>
    </structure:DataStructureComponents>
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.Stat DLM Excel Add-in for metadata editing

- Excel facilitator for data and referential metadata retrieval and editing
- Access to in-progress or published data
- Internal or external **SDMX data sources**, as well as **legacy systems**



Referential metadata presentation on .Stat Suite

OECD Data Explorer

NOTE: Not all data is available on this platform yet, as it is being progressively migrated from OECD.Stat.

Applied filters: Measure: Gross Domestic Expenditure on R&D (GERD) | Unit of measure: Percentage of GDP | Frequency: Annual | Time period: Start: 2014

Filters: Time period (10/43), Reference area (all/47), Measure (1/63), Unit of measure (1/22), Price base (all/3), Transformation (all/2)

Reference area: Austria

Main Science and Technology Indicators (MSTI database)

Frequency of observation: Annual • Measure: Gross Domestic Expenditure on R&D (GERD)
Combined unit of measure: Percentage of GDP

Reference area	Time period	2014	2015	2016	2017	2018	2019
Australia		€ 1.88	€ 1.79	€ 1.79	€ 1.79	€ 1.79	€ 1.79
Austria		€ 3.08	3.05	€ 3.12	3.06	€ 3.09	3.06
Belgium		2.37	2.43	2.52	2.67	2.86	3.06
Canada		€ 1.71	1.69	1.73	1.69	1.74	1.74
Chile		€ 0.38	0.38	€ 0.37	0.36	€ 0.37	€ 0.37
Colombia		0.30	0.37	0.27	0.26	0.31	€ 0.31
Costa Rica		0.56	0.49	0.44	0.43	0.37	..
Czech Republic		1.96	1.92	1.67	1.77	1.90	1.90

Information

Expand all | Download the selection in CSV

Reference area: Austria

Statistical concepts and definitions

Main Science and Technology Indicators (MSTI database)

Comment

Contact

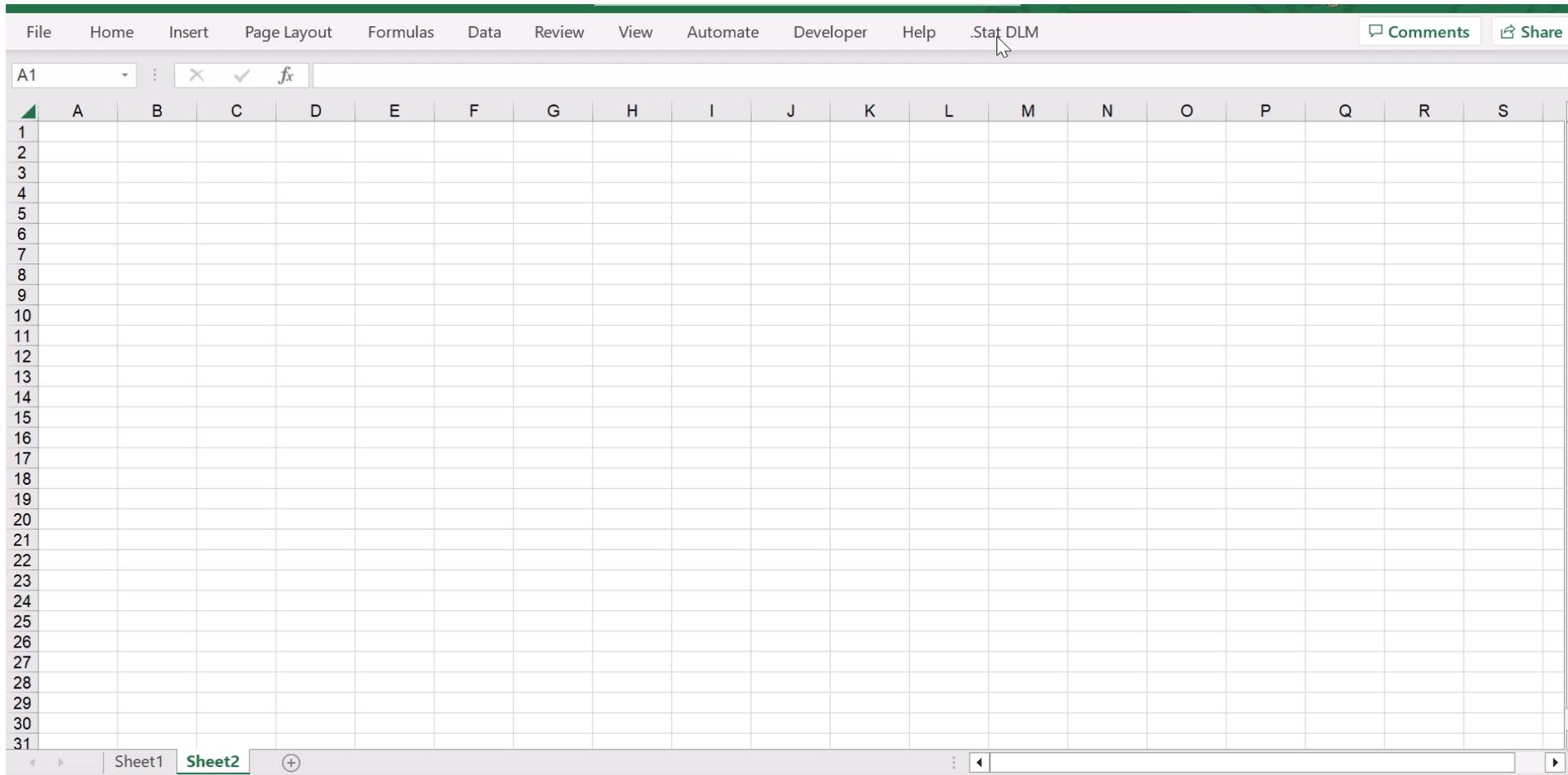
Comments or questions regarding MSTI can be sent to RDSurvey@oecd.org.

Geographical coverage

Data source

Date last updated - last updated

.Stat DLM Excel Add-in



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Thank you for your attention!

Questions?

شكرًا لكم على اهتمامكم!

أسئلة؟

