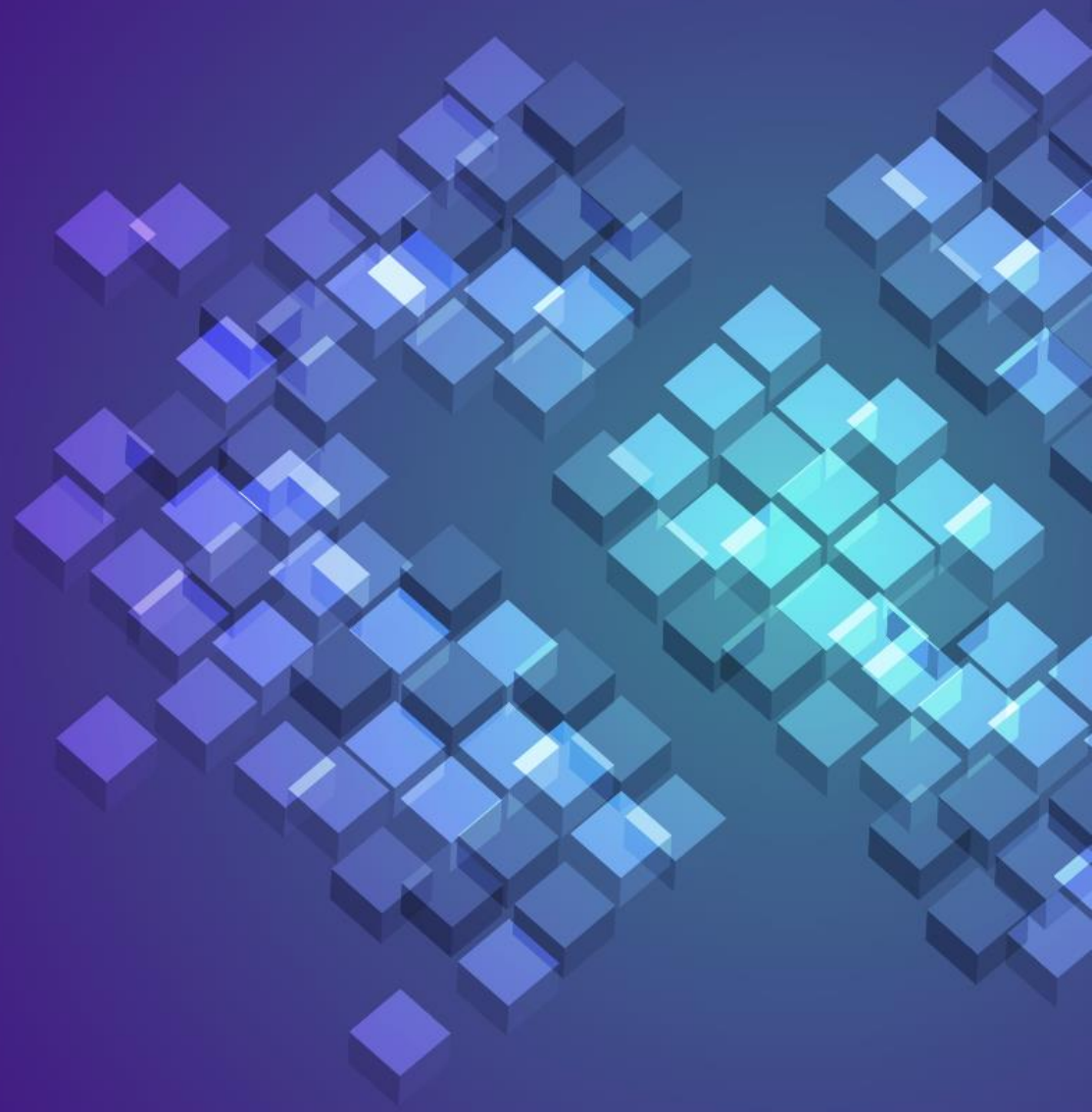
9th SDMX Global Conference

Empowering Data Communities



Modelling referential metadata in SDMX

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November 1, 2023

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

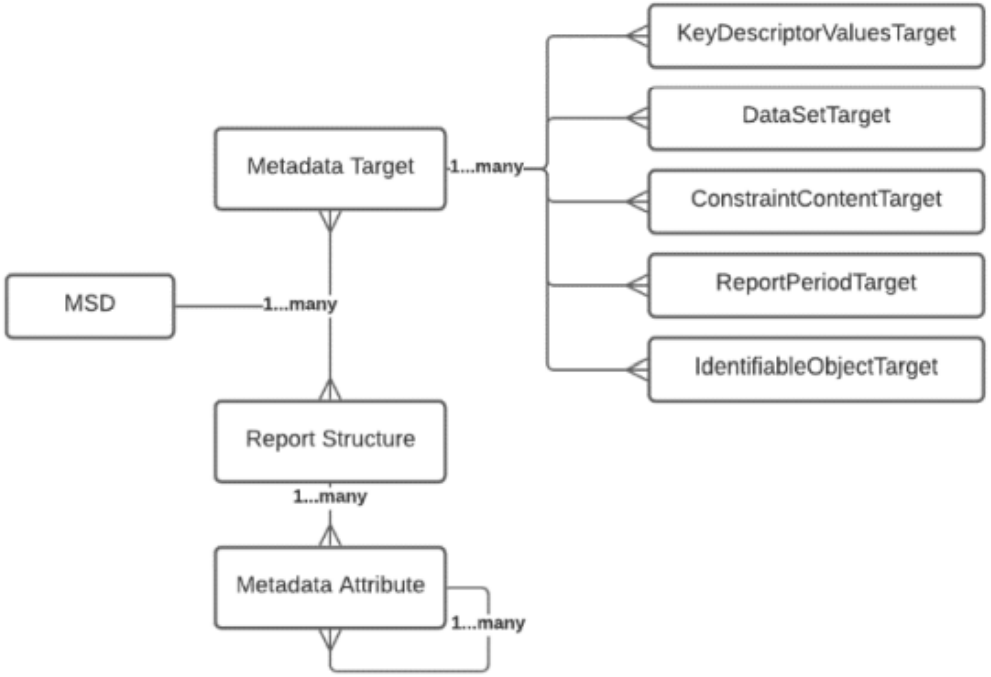


Figure 2 version 2.1 Metadata Structure Definition (MSD)

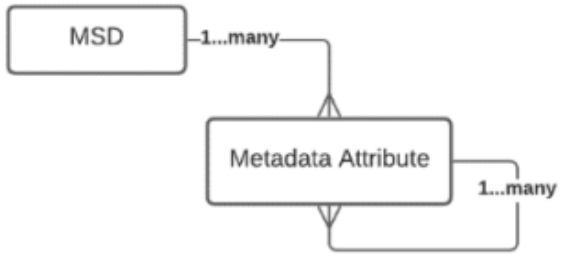
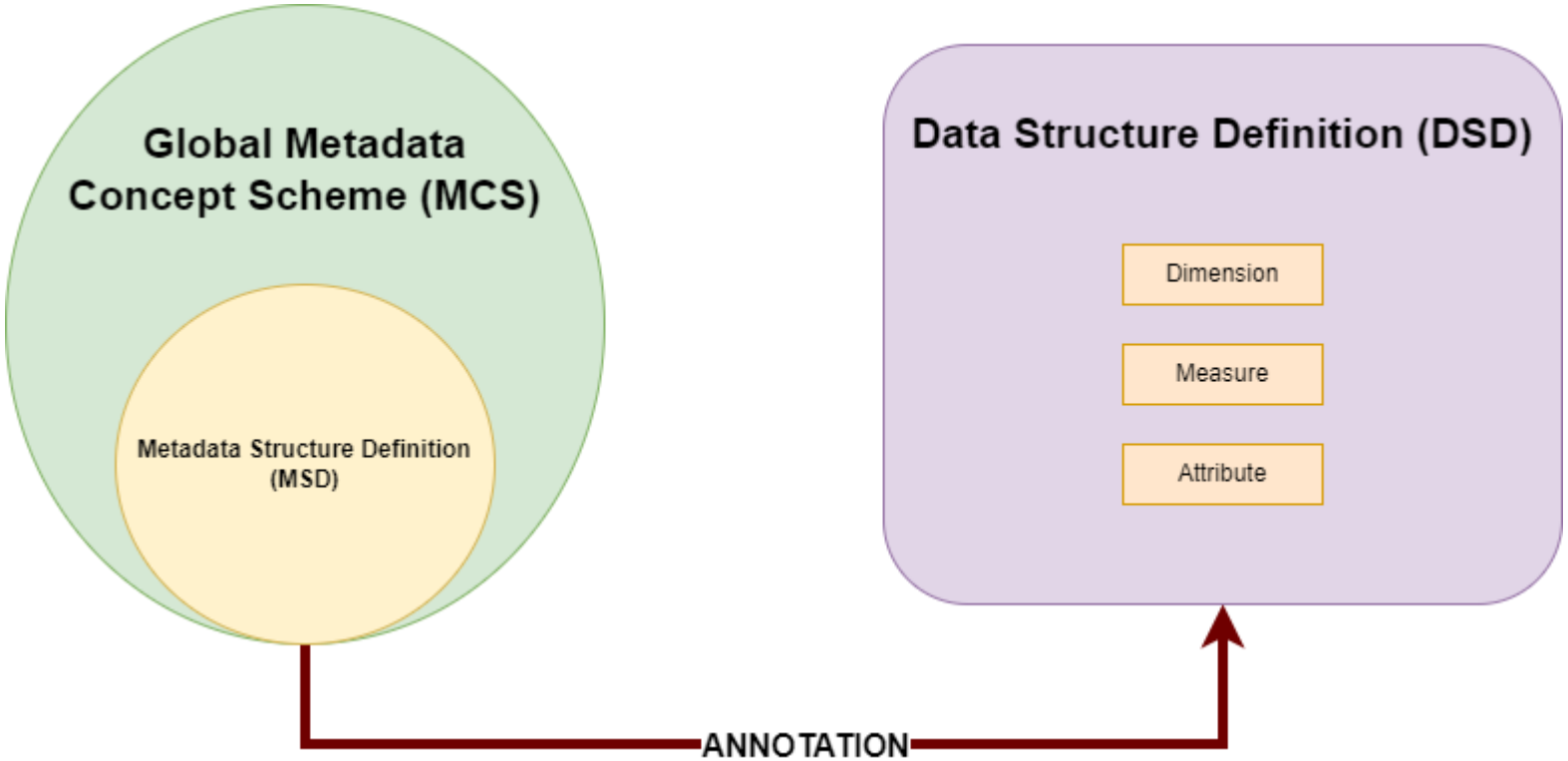


Figure 3 the simplified version 3.0 MSD

How SDMX handles referential metadata



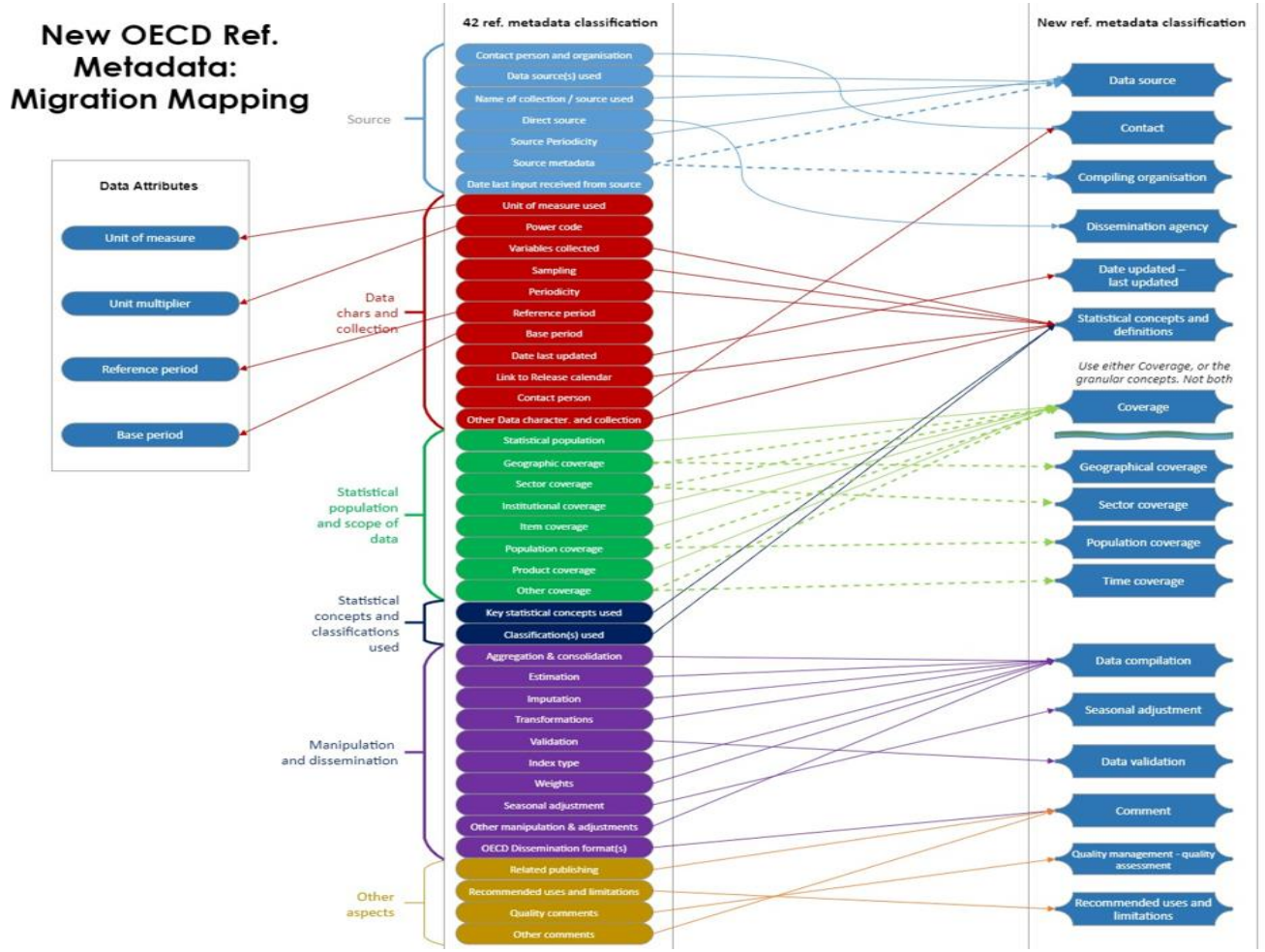
Global Metadata Concept Scheme (MCS)

- 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. *Example usage: if an organisation receives data from a member agency and publishes it, the "Compiling agency" concept would be the member agency.*	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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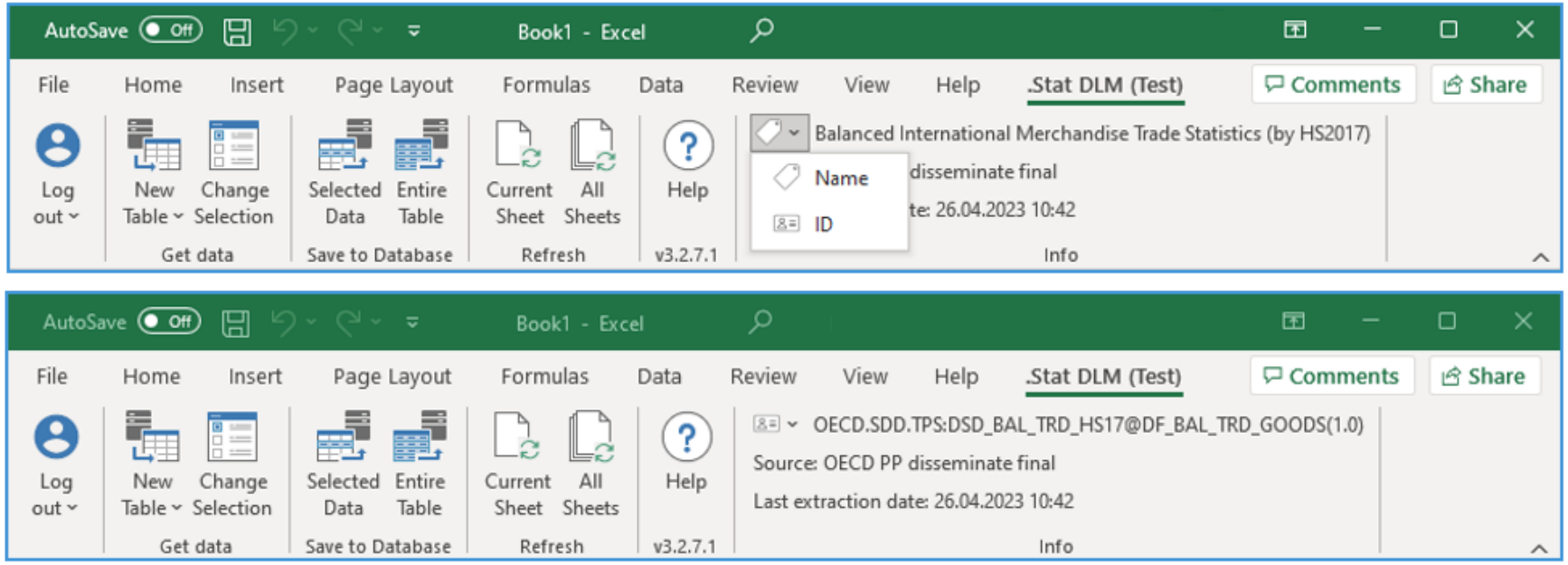
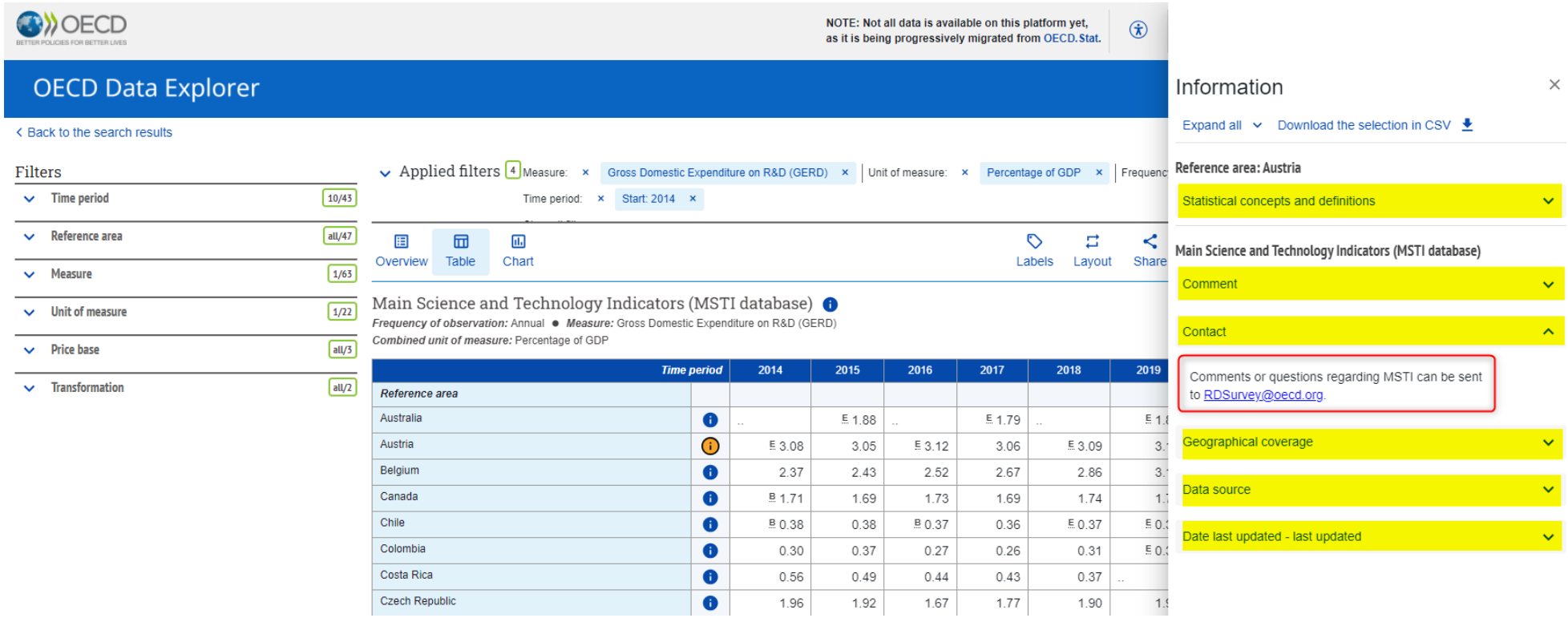
<message:Structures>
  <structure:DataStructures>
    <structure:DataStructure id="DSD_NASU" agencyID="OECD.SDD.NAD" version="1.0" isFinal="false">
      <common:Annotations>
        <common:Annotation>
          <common:AnnotationTitle>urn:sdmx:org.sdmx.infomodel.metadatastructure.MetadataStructure=OECD:MSD_REF_METADATA(1.0)
          </common:AnnotationTitle>
          <common:AnnotationType>METADATA</common:AnnotationType>
        </common:Annotation>
      </common:Annotations>
      <common:Name xml:lang="en">National Accounts Supply and Use Tables</common:Name>
      <common:Description xml:lang="en">Test</common:Description>
      <structure:DataStructureComponents>
```

.Stat DLM Excel Add-in for metadata editing

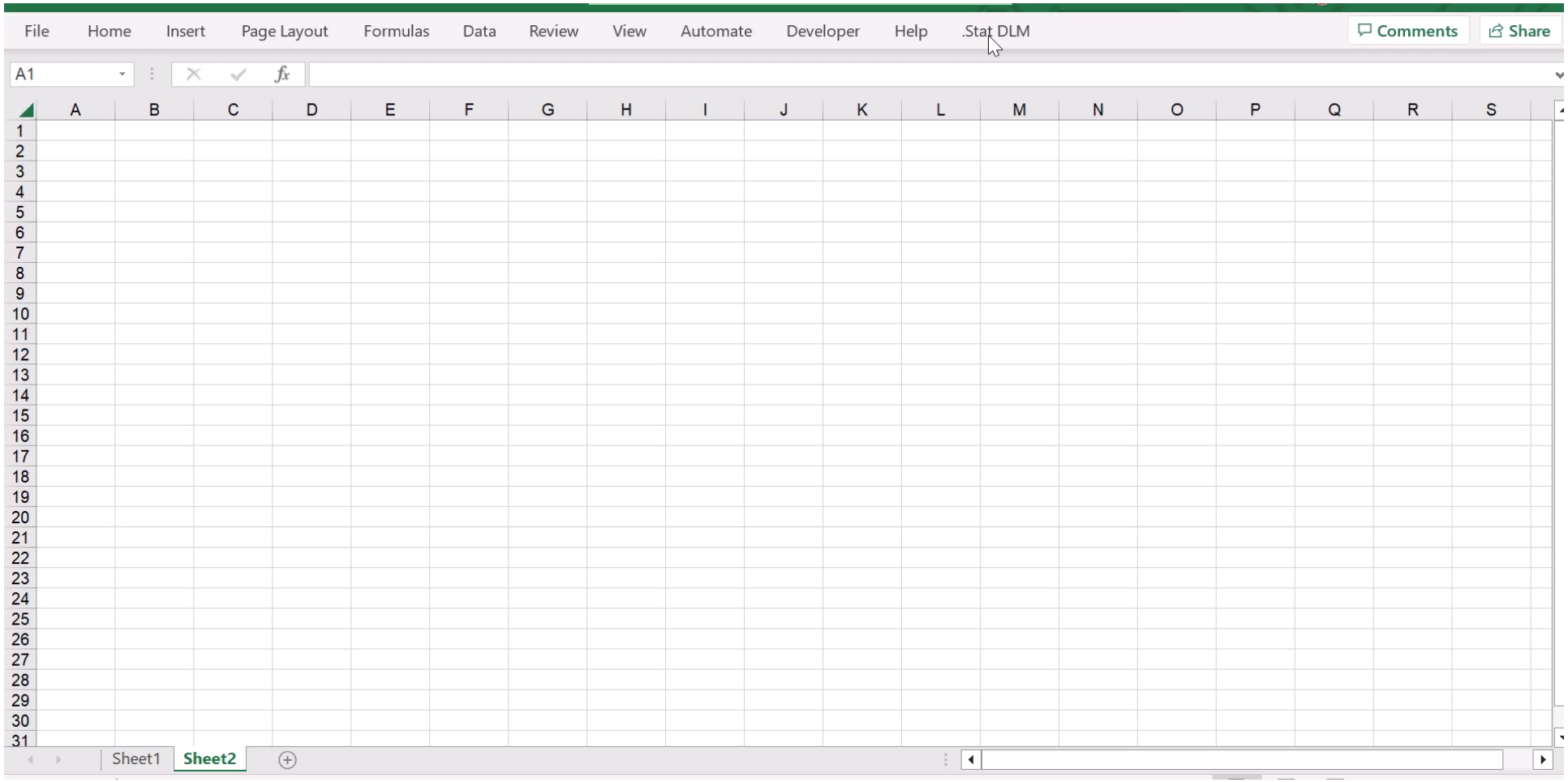
- Excel facilitator for data and referential metadata retrieval and editing
- Access to in-progress or published data
- Internal or external **SDMX data sources**, as well as **legacy systems**



Referential metadata presentation on .Stat Suite



.Stat DLM Excel Add-in



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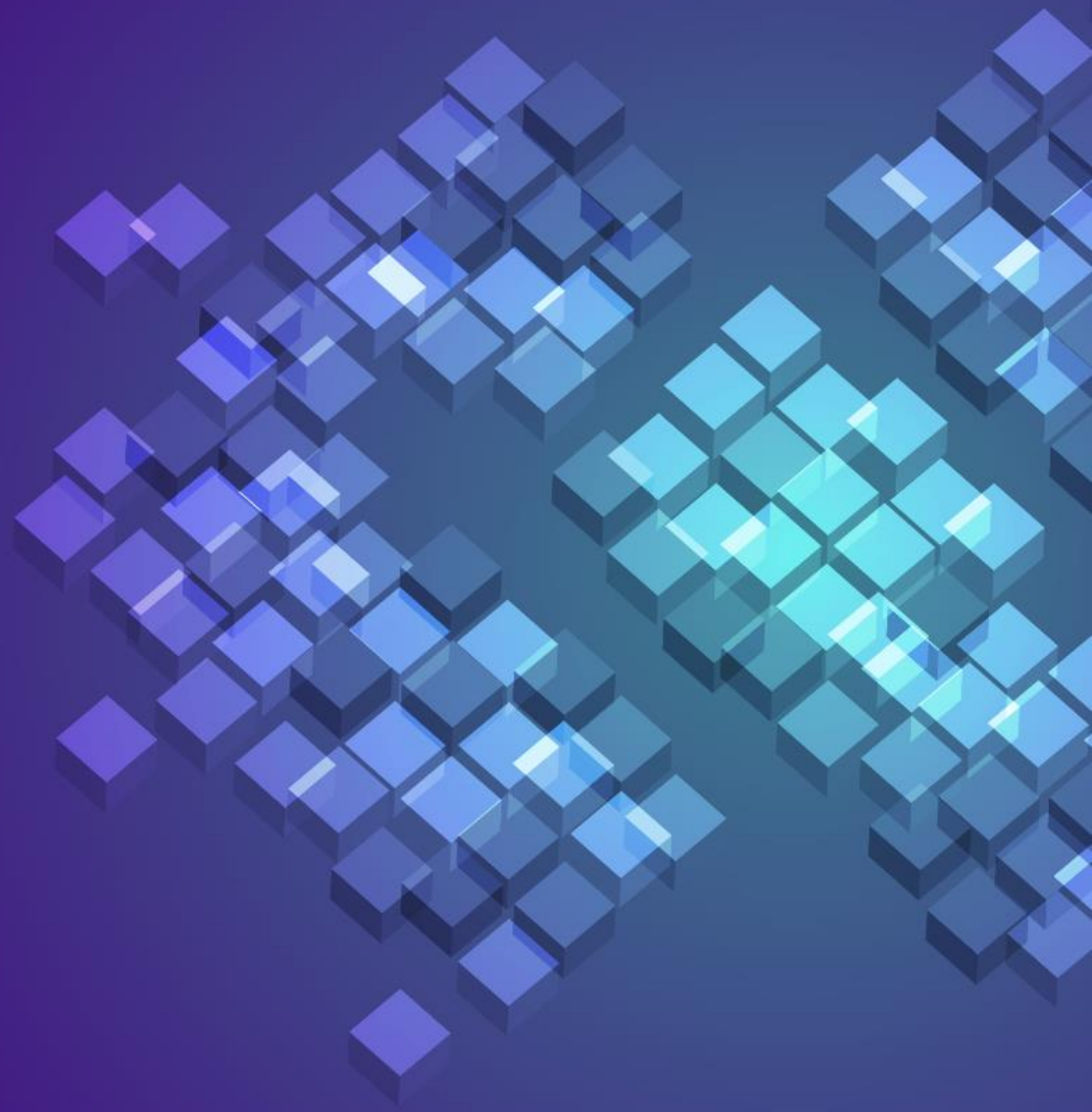
Thank you for your attention!

Questions?

شكرًا لكم على اهتمامكم!

أسئلة؟