Fusion Metadata Registry:
Enabling metadata-driven processes

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In a nutshell

- Metadata maintenance and retrieval
- Governance
  - Developed by Metadata Technology (MT)
  - Owned by BIS
  - Free of charge
- The metadata part of Fusion Registry, which is used by:
  - SDMX Global Registry
  - SDMX Sponsors
  - National Central Banks, Statistical offices, Government agencies
  - Not for Profit / NGOs
  - Private sector (commercial banks & media organizations)
  - The Data Warehouse part of Fusion Registry is developed and owned by MT

SDMX metadata maintenance

- Define data structures
- Define data exchanges
- Provide qualitative information
- And more...
  - Mapping rules, etc.
- How?
  - Web front-end
  - Microsoft Excel (partial)
  - RESTful API
    - Ad-hoc GUIs

SDMX-powered business functions

- Mapping
  - 1-1
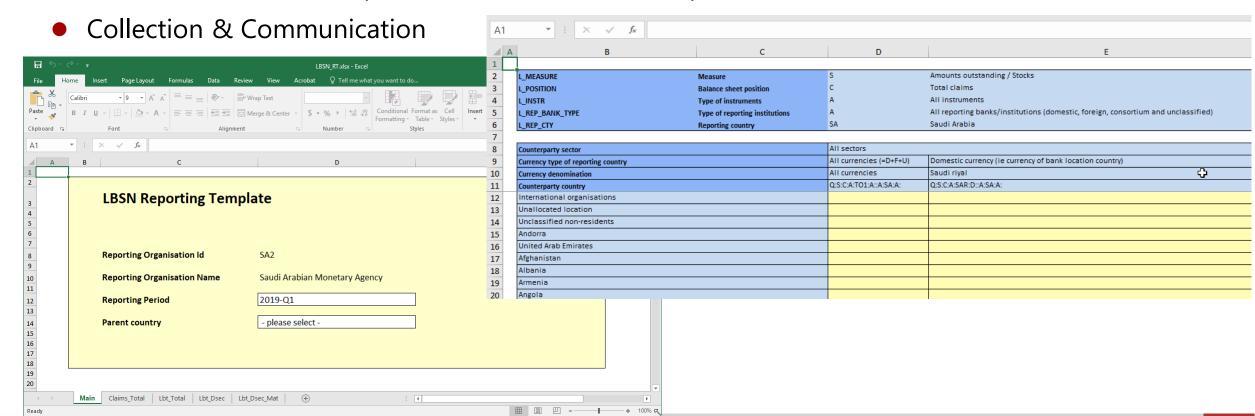 - 1-N & N-1
  - N-N
  - Regex
  - Mapping tester

- Validation
  - Format
  - SDMX Message
  - Structure
  - Representation
  - Duplicates
  - Observation status
  - Mandatory attributes

- Format conversion
  - Edifact
  - XML (Specific, 1.0, 2.0 & 2.1)
  - XML (Generic, 1.0, 2.0 & 2.1)
  - JSON
  - CSV
  - Time series and flat

Supports Excel-based reporting

- SDMX metadata to define Excel workbooks and worksheets
- Presentation metadata (for dimensions & attributes)
- Collection & Communication

Towards SDMX 3.0

- Improved Microdata support
  - Maintenance of structures
  - Structure wizard
  - Validation, conversion & mapping
- Codelist composition
- Valuelist, etc.

BIS

How is it used by the BIS?

- Maintenance of BIS metadata
  - Including BIS data dictionary
- Drives downstream metadata-driven systems & processes
- Excel reporting templates

Key takeaways

- Fusion Metadata Registry =
  - The reference tool to maintain SDMX metadata
  - Drives SDMX-based (distributed) systems and processes
- Governance / Usage
  - Developed by renowned SDMX Experts (Metadata Technology)
  - Owned by an SDMX Sponsor (BIS)
  - Used by many members of the SDMX community
  - Available free of charge
- Yearly BIS development / maintenance budget
  - Let us know if your preferred feature is missing!

Thank you!
Questions?

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