New Use Cases for Reference Metadata Exchange with SDMX 3.0

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Metadata Technology
Types of Reference Metadata

- Metadata that is reported against structures
  - example collection methodology, accuracy, timeliness
- Metadata that travels closely to the Data
  - example footnotes

- Type 1 – Continues to be described by the MSD
- Type 2 – Described in the DSD that also describes the Data
Model Recap

- **MSD** describes the report structure and allowable content
- **Metadataflow** uses a **MSD** and adds information about what the metadata can be reported against
- **Metadata Provision** links a **Provider** to **Metadataflow**

**MSD**
- Methodology
- Concepts and Definitions
- Scope
- Accuracy and Reliability

**Metadataflow**
- Allowed Targets
- Balance of Payments
- National Accounts

**Metadata Provision**
- Provider
  - Bank of Japan
Metadata Set

- Owned by Provider: BOJ
- Has an Identity: QUALITY_REPORT
- Has a version: 1.0.0
- Reported against something: Dataflow=IMF:BOP(1.0.0)
- Has content: (the reported HTML/text/numbers)
Metadata Discovery

- API which allows a user to query for Reference Metadata by Provider Id, Id, and version

**Example**
- Give me metadata for Bank of Japan, REPORT1, v1.0.0

**Use Case**: Metadata Maintenance
Metadata Discovery

- All structures contain dynamic links (URL) back to additional Reference Metadata

**Example**

- User creates Concept Scheme (FREQ, REF_AREA, AGE)
- User authors reference metadata against REF_AREA
- User queries for Concept Scheme – the link from REF_AREA to the reference metadata is present

**Use Case:** Indication of more information from UI
**Metadata Discovery**

- New API which allows a user to query for ALL reference metadata that is associated with a group of structures

**Example**
- Give me all metadata owned by Agency IMF
- Give me all metadata for Dataflow BOP v1.0.0 or higher

**Use Case**: Export of all related metadata
Metadata Discovery

- New API which allows a user to query for ALL reference metadata that is reported against a Metadataflow

**Example**
- Give me all metadata reported for the IMF:QUALITY_METADATA(1.0.0) collection

**Use Case**: Knowing who has reported what for a collection