

10TH EXPERT GROUP MEETING ON

Statistical Data and Metadata eXchange

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Enhanced SDMX API

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A bit of context

- API maintained by SDMX-TWG TF4
- 8 releases since 2011
- The 9th release (with SDMX 3.0) breaks backward compatibility!

Improved data queries

- Extend the context of data retrieval
 - dataflow, data structure, provision agreements
 - Search across structures (e.g. all data about a country)
- Component-based filters
 - `/data/dataflow/ESTAT/ICP?c[REF_AREA]=CH&c[CONF_STATUS]=F`
- Support for operators
 - `/data/dataflow/ESTAT/ICP?c[REF_AREA]=DE&c[ICP_ITEM]=sw:01&c[TIME_PERIOD]=ge:2015`
- Support for multiple keys
 - `/data/dataflow/ESTAT/ICP/1.0.0/M...A.ANR,M...A.INX,M...B.CTG`

Improved metadata queries

- Get metadata reports by ID
 - /metadata/metadataset/ESTAT/QUALITY_REPORT/1.0.0
- Get metadata reports for a certain flow / (optional) provider
 - /metadata/metadataset/ECB/METHODOLOGY/*/FR2
- Get metadata reports about a structure
 - /metadata/structure/datastructure/BIS/BIS_CBS/1.0

Resource management

- From metadata retrieval to metadata maintenance
- From data retrieval to data submissions and retrieval
- Uses additional HTTP verbs (POST, PUT, DELETE)

The best of the rest

- Streamline definition of structure queries
 - `/structure/artefactType/agencyID/resourceID/version`
- Improve clarity and documentation of the API
- Deprecate SOAP API

What's next?

- See it [in action](#)
- Report issues on [GitHub](#)

Thank you!
Questions?