Global Merchandise Trade SDMX Data Structure Definition

Overview

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Background

- What's SDMX?
  - SDMX = Statistical Data and Metadata Exchange
  - In layman's term = <u>standard</u> data format for statistics
  - Standard in data structure, nomenclature and layout
  - Supported by 7 organizations including UN
- Why uses SDMX?
  - To reduce international reporting burden
  - To facilitate data processing
 - To increase efficiency of international data exchange

SDMX-IMTS Working Group

- Established in 2013 [UN, OECD, Eurostat, ITC, UNCTAD]

- UNSD acts as secretariat for the Working Group

- The purpose is to specify uniform structures, concept definitions and code lists for the transmission of IMTS data and metadata

Latest update – Nov 2014

- Participation of OECD, Eurostat, UN, ITC, UNCTAD
- Data flows analysed
- Concept scheme created for the whole domain. 42 concepts total!!!
- Most concepts coded, still work-in-progress
- <u>Concepts mapped to Data flows resulting in 3 groups of dimensionality. The groups become separate DSDs with only relevant concepts used</u>
- Concepts classified into 26 dimensions and 16 attributes
- Next steps
    - DSD working group continuing meetings
    - Gradual implementations expected to start next year
    - Maintenance agreement and governance

UN Comtrade: Analysis of data flow
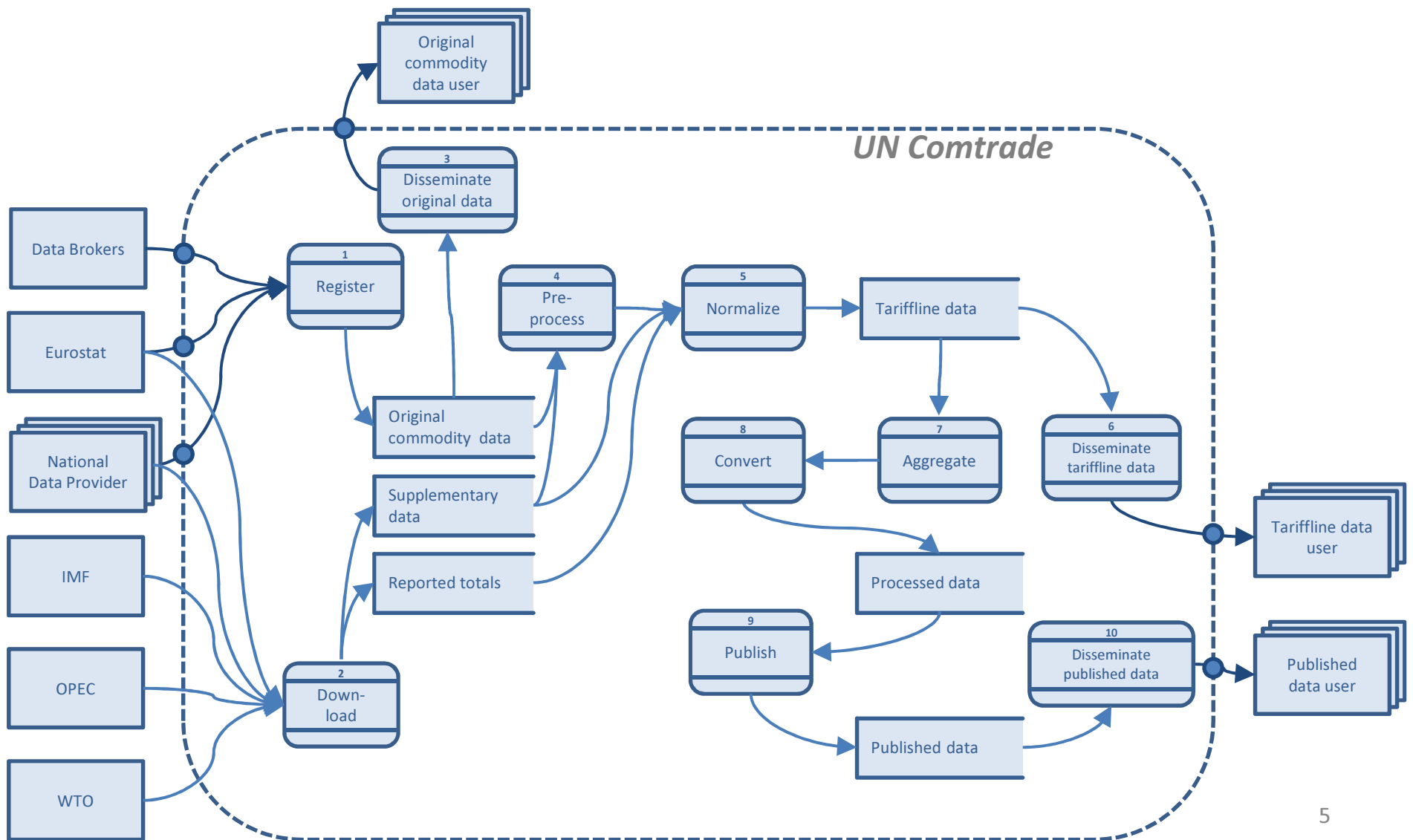
DSD Group 2: UN Comtrade detailed data collection

Relevant data flows

National data providers to UNSD:
Original commodity trade datasets

- **Currently used dimensions and attributes:**
- FREQ
- TIME_PERIOD
- REF_AREA
- TRADE_FLOW
- COMMODITY_1
- COMMODITY_1_CONF
- COMMODITY_2
- COMMODITY_2_CONF
- COMMODITY_CUSTOM_BREAKDOWN
- COUNTERPART_AREA_1
- COUNTERPART_AREA_1_CONF
- COUNTERPART_AREA_2
- COUNTERPART_AREA_2_CONF
- TRANSPORT_MODE_BORDER
- CUSTOMS_PROC
- OBS_TYPE

- TIME_PERIOD_START_DATE
- UNIT_MULT
- UNIT_MEASURE
- TRADE_SYSTEM
- COMMODITY_CUSTOM_BREAKDOWN_CODE
- COMMODITY_CUSTOM_BREAKDOWN_DESC
- COUNTERPART_AREA_1_TYPE
- COUNTERPART_AREA_2_TYPE
- COUNTERPART_AREA_1_ANNOTATION
- COUNTERPART_AREA_2_ANNOTATION
- OBS_STATUS
- **Dimensions and attributes for future use:**
- ECONOMIC_ACTIVITY

Simplified example of one single trade record

Codes used in this example:
HS12_010121: "Pure-bred breeding horses"
HS12_0101XX: "Live horses, asses, mules and hinnies // Confidential Item"
SITC4_0015: "Horses, asses, mules & hinnies, live"
ISIC4_014: "Animal production"
_Z = "Not applicable"
_X = "Not allocated / unspecified"

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```

Roadmap

Completed
- Visualization/Analysis of data flows
- Definition of list of concepts to be covered for the reporting framework
- Review of existing Code Lists in other domains
- Draft concept scheme for IMTS

Work in Progress
- Draft code lists for IMTS
- **Worldwide consultation with the countries**
- Finalize a first global reporting framework for IMTS
- Implementation of version 1 of global reporting framework for IMTS

Thank you - Merci

Please send your comments to
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