



# Data Dissemination

## UN Comtrade SDMX



# Data Dissemination

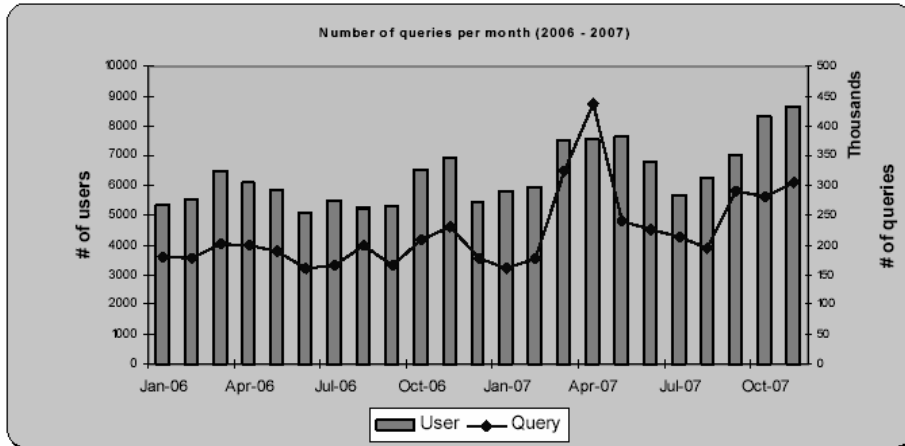
Table 1  
Number of country periods available  
as of 31 December of each year

Period	2007*	2006	2005	2004	2003	2002	2001	2000	1999
Most recent <u>year</u> of data	132	128	122	127	112	105	109	100	78
Most recent <u>2 years</u> of data	285	278	270	274	246	237	233	211	181
Most recent <u>3 years</u> of data	445	440	426	429	395	372	357	334	291

\* As of 23 November 2007



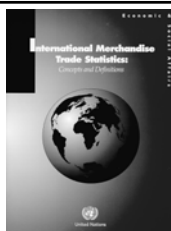
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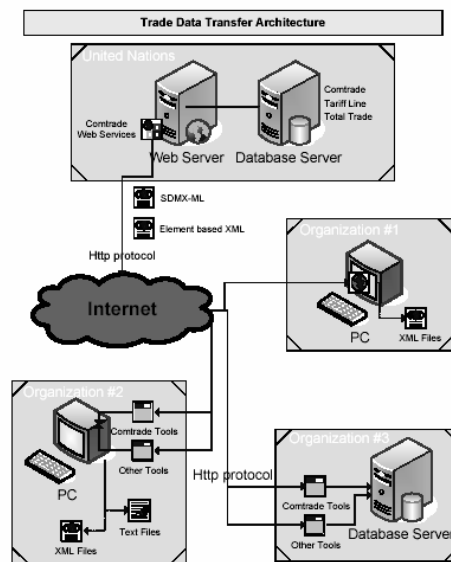
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## Data Dissemination: SDMX

**The strategies for Trade Data Dissemination are:**

- i. Using a **standard data format. SDMX (<http://www.sdmx.org>)** version 2.0 has been released and it is being used as one of the format for trade data dissemination;
- ii. Using **Internet** as a low cost transfer medium and for its standards, such as http protocol, web services, etc;
- iii. **Platform independent** means that client can use any operating systems, any database, and program languages to obtain trade data;
- iv. Be able to **transfer very large datasets**. The REST Web Service and internet stream compression play important roles here;
- v. The possibility for **unattended one-way synchronization**.

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## Data Dissemination: SDMX

**2. The implementation of the strategies:**

- i. Architecture: **“Pull” architecture** for flexibility and tight security. The client initiates the request.
- ii. **Synchronization** Approach: By comparing the data availability between two sites for creating the list of new/updated datasets.
- iii. Data Format: **SDMX-ML version 2.0** is currently being used.
- iv. Medium and Protocol: **Internet via Web Services**.
- v. Compression: The SDMX-ML is **compressed during the data transfer**. It reduces 70-80% of the bandwidth usage and the download time.
- vi. **Security: Based on IP Address** and Access Control List (to use Web Service).

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## Dissemination: Questions

**UN Comtrade:**

- Quarterly Data
- Estimates

**SDMX:**

- Data Submission

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# Thank you for your attention

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