EUROTRACE
Data Processing Software for IMTS

Markie Muryawan – muryawan@un.org
United Nations Statistics Division
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Reminder: Implementation Plan

- **Design**
  - Understanding IMTS 2010

- **Input**
  - Institutional Arrangement

- **Process**
  - Algorithm
  - Software

- **Output**
  - Dissemination Platform

- **Evaluate**
  - Quality Report Template
Introduction

- Eurotrace is a data management and processing software, usually used for IMTS, in conjunction with ASYCUDA
- Eurotrace is Open Source Application (2014)
- Designed for:
  - Managing trade data
  - Implementing processing and checking algorithm
  - Editing and aggregating data
  - Calculating derived trade indicators
  - And can be extended through modules...
1. Define External Trade Statistical Database
   Expert of Nomenclatures and/or Trade Information System

2. Provider of Data
   Trade Statistics data
   Supplier, Customs, Statistical Office

3. Validity Check and Quality Control
   Data Coders, Data Controller

4. Target of Data dissemination
   Statistical Office
   Statistics Users
Managing Classification

Nomenclatures

WWW

DBMS
Flexible storage design

- Free number of dimensions
- Free number of datasets
Control Procedure

Nomenclatures

Data

Error table

Validation Algorithm

DBMS

Text Files

Database

EUROTRACE

Automatic Correction
Data Editing

Nomenclatures

Viewing tools:
easily define extractions

Data

Error table

Autonomous extraction files for correction and visualisation.
Data Aggregation

Nomenclatures

Data

Transcodification

COMEXT

Browser
Screenshot – data design
Together all the parameters in the different Tabs constitute an algorithm capable of Making a wide variety of validations and actions
More on data validation

6 types of rules supported:

- Validation
- Action
- Deletion
- Invariant
- Warning
- Transcodification
But, W.A.I.T

• EUROTRACE is not data dissemination system
• Fortunately …. There are alternatives software that work in conjunction with EUROTRACE:
  – PC: Comext (Eurostat)
  – Web: WebComext (Eurostat), PX-Web (Statistics Sweden)
• Countries have been implementing these data disseminations system
Eurotrace User Community

• In February 2016, UNSD, Eurostat, African Union, CARICOM, COMESA, ECOWAS and other interested parties decided to form EUROTRACE User Community (EUROTRACE-UC).

• The main goals of this user community are as follows:
  – To identify common issues and agree on setting the priority on features for improvement and addition
  – To maintain list of issues including the status of resolution
  – To fulfill the needs of training and capacity building in countries by pooling available resources
http://comtrade.un.org/eurotrace/

**Latest development**

- 2016 global assessment on EUROTRACE (April 2016)
- Compilation of common issues and features for improvement (January 2016) replaced by Trello Eurotrace user Community

**Useful Links**

- Trello Eurotrace user Community
- EUROTRACE at Eurostat site
- Eurotrace Interest Group hosted by Eurostat (to be replaced by EUROTRACE User Community)
- EUROTRACE e-learning by COMESA
- Information about EUROTRACE (deprecated as of 2012, but contains useful information)
Example: ideas for improvement

17. Please rank Eurotrace/COMEXT modules that you would like to have or to improve?

<table>
<thead>
<tr>
<th></th>
<th>Low priority</th>
<th>Medium priority</th>
<th>High priority</th>
<th>N/A</th>
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<tbody>
<tr>
<td>External Trade</td>
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<td>Indices (available as add-ins)</td>
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<td>SDMX-IMTS Data Extraction</td>
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<td>Trade and Business Register Integration</td>
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<td>Bilateral Trade Asymmetries Analysis</td>
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<td>Data Visualization</td>
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<td>Web Comext Data Dissemination (available as part of Eurotrace package)</td>
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<td>Using open source database (e.g., postgresQL)</td>
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<td>Feature</td>
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<td>Eurotrace Editor (available as part of Eurotrace package)</td>
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<td>Detection of outliers (e.g., unit values) (available in Eurotrace Windows)</td>
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<td>Bridge between Eurotrace and PX-Web</td>
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<td>Data confidentiality</td>
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<td>Estimation and imputation of missing data (e.g., quantities)</td>
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<td>Flat file data extraction (available in version 3.3.7)</td>
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<td>Integration between COMEXT and Excel (as Excel add-ins)</td>
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<td>Compatibility with the latest MS Office formats (XLSX, accdb, etc.)</td>
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Thank you

muryawan@un.org