The Eurotrace Suite

Workshop on Updated and New Recommendations for IMTS and their Implementation in the Sub-Saharan Region
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Data Processing Software for External Trade Statistics

Three separate applications that work together.

Eurotrace DBMS

Eurotrace Data Editor

Comext Standalone Data Browser
Data Processing Software for External Trade Statistics

Computing Technology

- Built with Microsoft Visual Basic and C++ Programming Languages
- Supports Data Access Objects (DAO) and Open database connectivity standards (ODBC)

- Pentium II 450Mhz
- 256MB RAM
- Windows 95, 98, NT, 2000, Me or XP Operating system
- MS Access → SQL Server → Oracle versions

- A 3 part system of Interacting programs, offering an extensive and complete range of data processing tools to meet all External Trade Statistics data processing needs.
External Trade Statistics: Implementing system with Comext/Eurotrace Package

Data Sources

External Trade Database Definition

 Mostly CUSTOMS DECLARATION

Data Integration Procedure

External Trade Database

Estimation

Enterprise

Indices

RAW DATA

COMEXT Stand-Alone Browser

Sub Regional Organisations

Eurostat UN IMF

Country Tables and Publications
Derived Data

Source Dataset

Classification Plan

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

Eurotrace Actors

How to design a Domain?
Relations: HS → SITC/BEC

Definition:

- Based on the international UNSD HS6 → SITC/BEC
- Assuming no deviation from international codes!!
- All national codes at HS8 ending in 00 already have a link
- Work on ALL national HS8 codes not ending with 00 in 7th and 8th positions
- Compare HS8 descriptions with SITC descriptions!!
- Import relation in Eurotrace.

- Keep updating relation whenever new HS8 codes are added!!
Classification Plan

Managing Nomenclatures and Relations

Ctry → GeoNom. → Flow

HS → BEC → SITC

CPC → Trade
Dataset Definition Interface

![Dataset Definition Interface](image-url)
Dataset Validation

Together all the parameters in the different Tabs constitute an algorithm capable of making a wide variety of validations and actions.
Validation tab

6 types of rules supported:

- Validation
- Action
- Deletion
- Invariant
- Warning
- Transcodification
Definition:

Algorithm – A set of validation rules set and applied to a dataset at importation, exportation to the Editor and also Re-importation from the Editor

Common Algorithms:

- Asycuda++
- Asycuda 2.7
- Eurotrace DOS
- External File
Exportation to the EUROTRACE Editor
Data Entry/Data Correction

1. Database Extraction
   a. Single File
   b. Record Locking Security
   c. Extraction Criteria

2. Data Editor
   a. Appending New Records
   b. Modify Records
   c. "Undo" function
   d. Header – Detail – Footer
   e. Validation "On The Fly"

3. Detecting Errors
   a. Highlighted in red
   b. Type of Error occurred

4. Form Designer
   a. Customize the Customs
   b. Hide/Mask fields
   c. Move Boxes (from/to body to/from header/footer part)

5. Code List Selector
   a. Hierarchy selection
   b. Code Validation

6. Record Navigator
   a. Select a specific record directly
   b. View data in Grid format

7. Database Update
   a. File sent to administrator in order to update the DB
   b. Errors could be corrected one by one (No lock in process)
   c. Database Records Unlocked
Definition

Eurotrace DOMAIN

Dataset Source

Source Data

Upgrade

Upgrade

Derived Databank

Derived Databank

Classification Plan

HS

Country

.........
Derived Dataset Management
1. Define Algorithm for Derived Dataset
   a. Parameters based on Data Source
   b. Codes Filter & Correlation Tables

2. Simple Interface to Upgrade Derived DS
   a. Selecting of Period to be updated
   b. Global control on Data Maintenance
Eurotrace DOMAIN

Derived Databank

Definition

Classification Plan

HS
Country
..........

Dataset Source

Dissemination/Analysis

Upgrade

Upgrade

Source Data
COMEXT Stand-Alone

A common Interface for Data Dissemination
Comext Stand alone Spreadsheet

- Design your table
- Export into Excel
- Apply advanced functions

<table>
<thead>
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<th>Product</th>
<th>Flow</th>
<th>Year</th>
<th>Indicators</th>
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For Help, press F1
Comext Stand alone
Defining aggregates

Common/Standard Aggregates:-

- AllProduct – aggregate for all products
- World – aggregate for all countries
- AllGeneral – aggregate for General Trade system
- TotalExport – aggregate for Total Exports (E+R)
- COMESA/SADC – aggregate for COMESA/SADC
Thank you