

The OECD statistical information system

integration of energy data with other domains

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Statistics in OECD

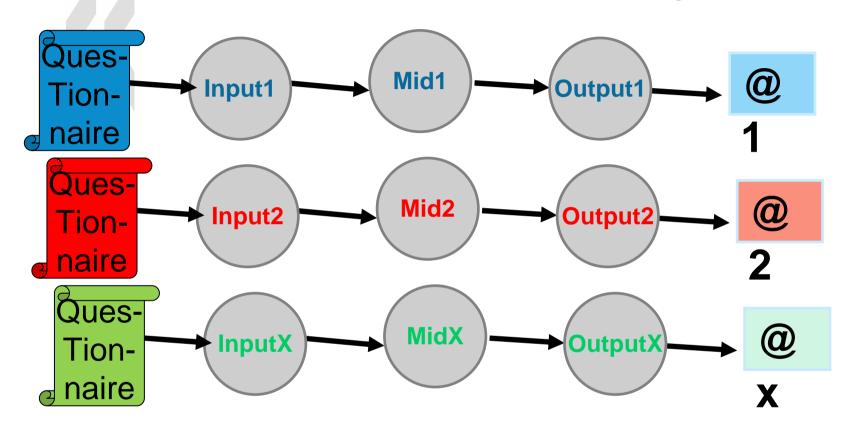
- Statistical information on society
 - many sectors: economy, labour, health, education, governance...
- tool for policy analysis
- compare countries
- identify good outcomes and less good
- e.g. country economic reviews
- e.g. education
- authority & quality



What is the Statistical Information System?

- Immense integrated statistical information bank
- Data and metadata can be combined and used over and over again, for innumerable outputs
- Horizontal products covering various subject matters can be developed at a reasonable cost
- Provided data and metadata are properly organised

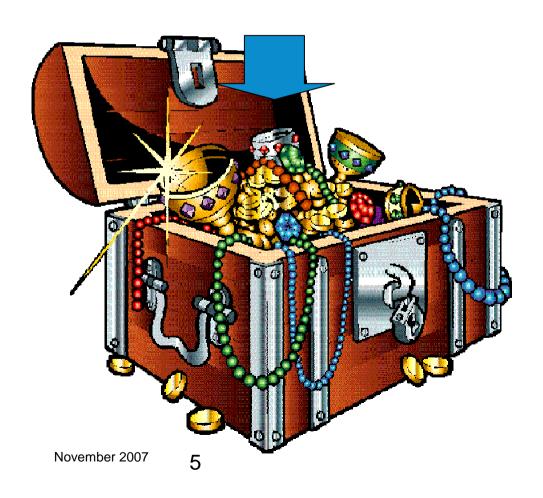
A Statistical Information System





Questionnaire Input2 Mid1 Dutput Questionnaire Input2 Mid2 Output2 Questionnaire InputX MidX Output Questionnaire x

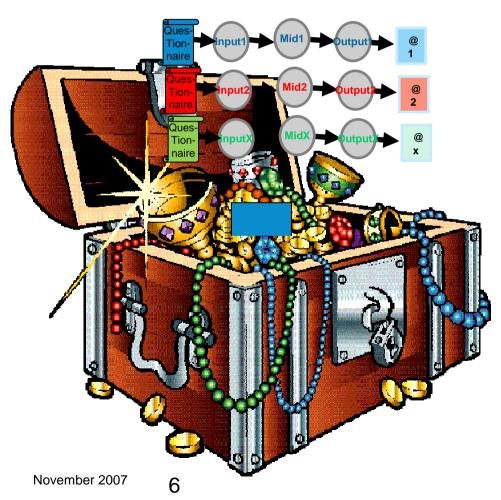
A treasure!





A treasure!









Person November 2007

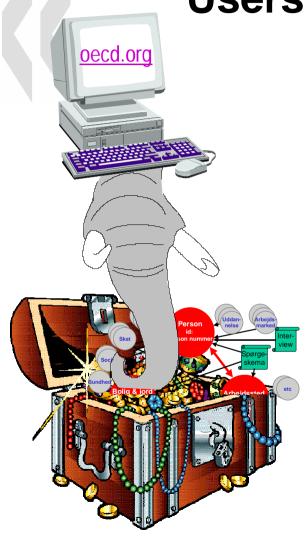
A treasure!

- All domains
- Same method
- Good metadata
- Coherence
- Combining across

http://stats.oecd.org/wbos







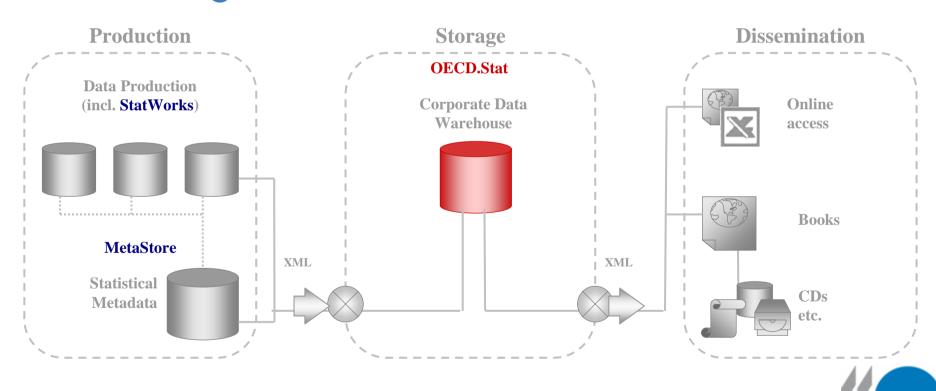
- Billions of figures
- Fully updated
- Flexible query
 - by theme
 - by full-text search
 - by stored query
 - links to queries
- Other access methods
 - from FAME & SAS
 - SDMX web service





SIS Architecture

- 90 % of all OECD statistics
- The rest to come in 2008



The data model

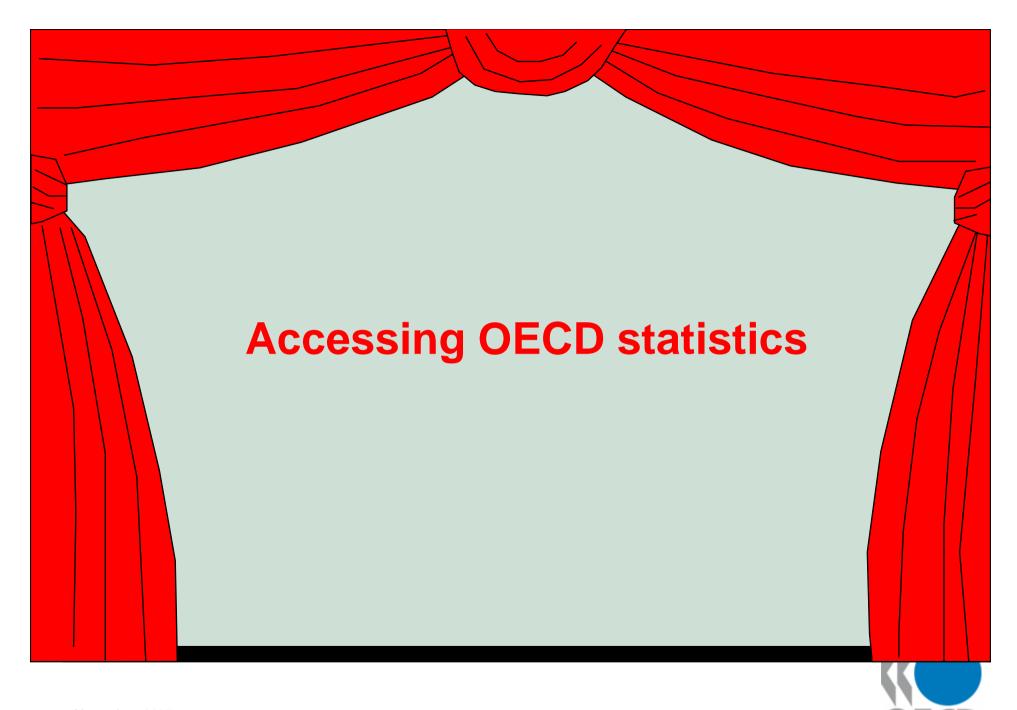
- Multidimensional tables (cubes)
 - each owned by one database administrator
- with metadata attached everywhere
- common dimensions
 - country
 - frequency
 - time
 - age
 - sex
 - **—** ...
- Arranged in themes and subthemes



SIS benefits

- Quality
 - Harmonisation of concepts
 - Improved statistical metadata
 - Coherence of data and metadata across datasets
 - Dynamic updating
 - SDMX (ISO 17369)
- User friendliness
 - One-stop database
 - Combine data across themes
 - Alternative outputs for different audiences
- Internal Efficiency





Access to OECD.Stat

- Access to the data warehouse restricted
 - OECD officials
 - government officials through OLIS
 - Limited datasets on the Internet
- 3.1M downloads in 2007
 - of which 2.8M Internet use
 - 70,000 from OLIS
 - 140,000 internal OECD



Accessing OECD statistics

- OLIS (with a logon)
 - horizontal access to all databases and vertical access within each database
 - targeted at users who have skill and time
 - books and publications

Free on Internet: Core Data

- key ready-made tables and sub-sets
- 500-1000 tables and sub-sets
- targeted at expert users and informed lay users
- Statistics Portal

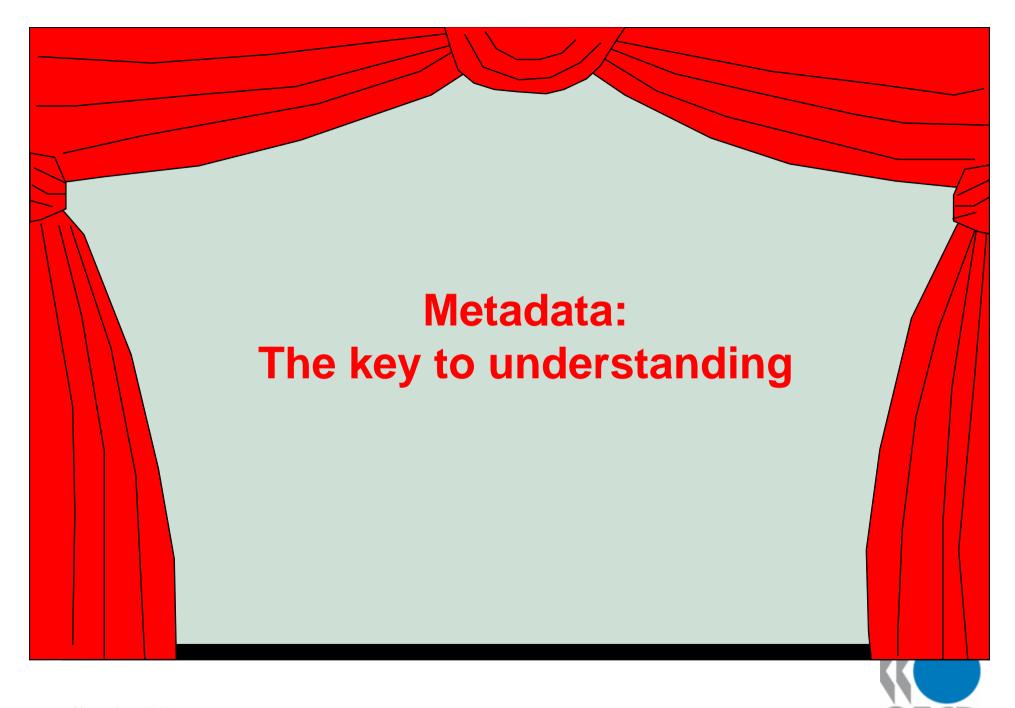
StatLinks

e.g. <u>Factbook 2007 p. 133</u>, <u>graph</u>



Most accessed datasets 2007

DATASET	2007
Country statistical profiles 2007	313124
Country statistical profile 2006	256269
1Gross domestic product	170420
Composite Leading Indicators (MEI)	110138
Financial indicators MEI	96328
MEI Labour Statistics	86071
Main Economic Indicators: Archive data and	
revisions	66459
Reference Series	52844
Quarterly National Accounts	50911
LFS by sex and age	45426



Metadata principles

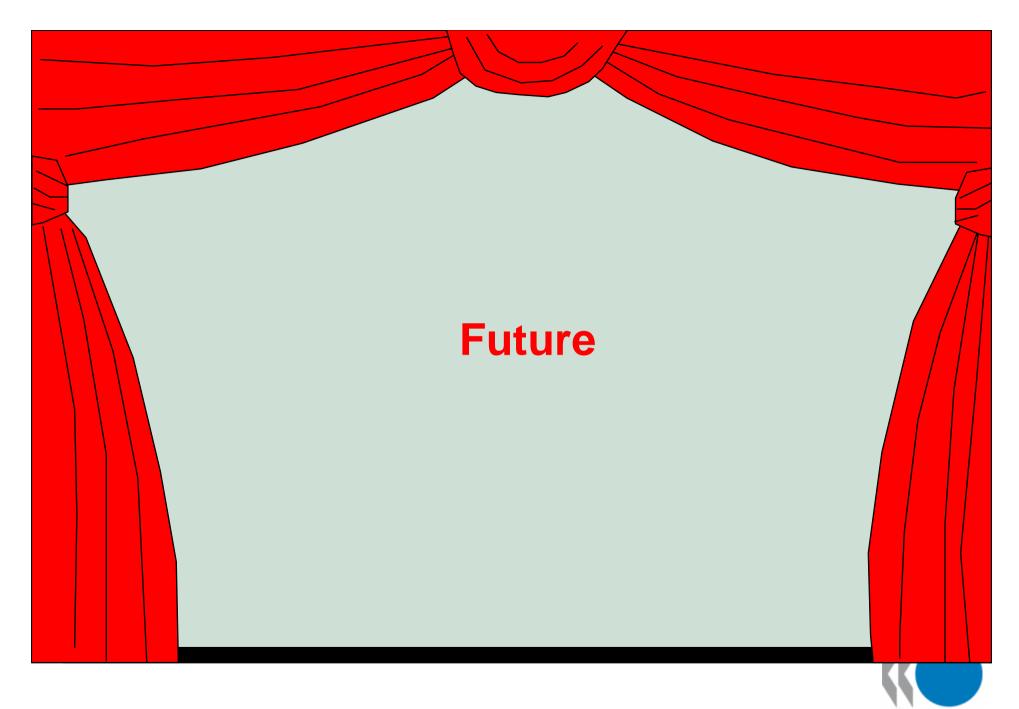
- 42 subcategories or metadata items
- how the metadata should be presented
- reuse of metadata : promote standardisation and coherence across domains
- supported by MetaStore



Access to metadata

- together with data in OECD.Stat
 - well structured
 - attachment levels
- independently and freely on www
 - MetaStore
- "Google for numbers"
 - easy to find
 - deep descriptions
 - When you found what you like >> Numbers







- Develop integrated dissemination
 - OECD Statistics
 - Branding & standardising Core Data
 - Develop Figures & Facts
- Diversify according to user groups
- Cross-domain products
- Dynamic graphics



