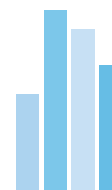


EU-Israel Twinning Project

Activity E6.1

Integration with DataWareHouse

Jerusalem, 20-23 October 2014



Terms of Reference and agenda

- Principles of DataWareHouse (DWH) building
- Getting data from existing data sources to DWH
- Cube design for specific statistical subject
- Updating rules and procedures for the DWH
- Integration between web site and DWH
- Linking quality metadata to DWH
- Work plan (road map) for developing DWH



Findings and conclusions (1)

- Principles of DWH building
 - Discussion of current status in ICBS and Statistics Denmark
 - Introduction to the Common Nordic Metadata Model (CNMM)
- Data from existing sources
 - Data already exist in Informix Times series database as well as other databases and formats
 - However, time series data is not optimal for DWH



Findings and conclusions (2)

- Cube design and pilot
 - The CNMM 2.1 were installed on ICBS MS SQL-server
 - Examples of cubes for different statistical subjects were designed (foreign trade and education statistics)
 - Examples ...
- Updating rules and procedures
 - The issue was discussed (see work plan)



Findings and conclusions (3)

- Integration with web site
 - DWH should support API functionality to dynamically allow use of data in web site, applications and publications
 - Examples of the single source principle were demonstrated
- Linking to quality metadata
 - DWH should support linkage to quality declaration systems
 - Every data cube in DWH should have metadata attached



Findings and conclusions (4)

- Work plan (road map)
 - A successful DWH will require:
 - Tools for inserting and updating data and metadata into the DWH
 - Source data (Informix, SQL-Server, Oracle, CSV etc.) and metadata (Dictionary etc.)
 - Guidelines for designing data cubes, including user needs, confidentiality issues etc.
 - Strategies and policies



Recommendations

- Strategic measures are initiated
 - E.g. all data in DWH by 2020
- Necessary tools are developed or installed
 - Insert Code lists
 - Define cubes
 - Load data
 - View data
- Pilot project is initiated (involving subject matter units, dissemination and IT)

Also consider license costs and In-house development costs

