

Distr.
GENERAL

ECE/CES/SEM.54/29 (Summary)
11 April 2006

Original: ENGLISH
ENGLISH AND RUSSIAN ONLY

**UNITED NATIONS STATISTICAL COMMISSION and
ECONOMIC COMMISSION FOR EUROPE
CONFERENCE OF EUROPEAN STATISTICIANS**

**EUROPEAN COMMISSION
STATISTICAL OFFICE OF THE
EUROPEAN COMMUNITIES (EUROSTAT)**

**ORGANIZATION FOR ECONOMIC COOPERATION
AND DEVELOPMENT (OECD)
STATISTICS DIRECTORATE**

Joint UNECE/Eurostat/OECD Seminar on the Management of Statistical Information Systems (MSIS)
Sofia, Bulgaria, 21-23 June 2006

Topic (v): Presentations of developing information systems in the Bulgarian National Statistical Institute

PRESENTATION OF THE INFORMATION SYSTEM “DEMOGRAHY”

Invited Paper prepared by Yordan Kalchev, National Statistical Institute of Bulgaria

Summary

1. The information system “Demography” is developed according to the architectural requirements of Integrated Statistical Information System (ISIS) strategy as functional components and as storehouse of population and demography data in Bulgaria (including census data on population and dwelling fund in 1992 and 2001, demographic data since 1995 and newly registered demographic data), calculation population number and structures, application of OLAP and generating of statistical outputs.
2. According to the Strategy for development of ISIS at the Bulgarian National Statistical Institute, IS “Demography” undertakes and combines the functions of three statistical information system functional components:
 - Data collection – this component realizes data collection, data entry and development of Surveys registers, where raw microdata is stored;
 - Data editing – this component ensures data editing and development of Final surveys registers, where final (cleared) microdata is stored;

- Data processing – this component ensures the development and maintenance of databases Microdata and integration by stages in Data Warehouse for dissemination of statistical products and services. Final products of statistical activity – references, publications, etc. are produced based on the Microdata and Final Surveys Registers databases by means of calculations and analyses. A package of programming tools oriented to data analysis technologies usage (On-Line Analytical Processing – OLAP) is ensured.

3. According to the ISIS strategy, IS “Demography” ensures software and technology for the development, maintenance and use of:

- Storehouse of raw and processed microdata and of aggregated microdata (Data Warehouse) on demographic events, population number and structures and demographic processes;
- Statistical register of persons – subject of surveys;
- Package of programming tools oriented to usage of technologies for analytical processing of demographic and population data (OLAP).
