Implementation of the Statistical Production Process Model in Poland Statistics

Anna Długosz, Statistics Poland, a.dlugosz@stat.gov.pl;

Janusz Dygaszewicz, j.dygaszewicz@stat.gov.pl;

Izabela Selwestruk, i.selwestruk@stat.gov.pl

Abstract

In order to improve the efficiency of the production processes of Polish official statistics, work is being conducted on the optimisation, redesign and standardisation of statistical production processes in accordance with the Statistical Production Process Model (MPPS).

The MPPS is the Polish implementation of the GSBPM. The MPPS model, relative to the GSBPM, was supplemented by sub-processes with a geospatial component, verification and quality assessment, as well as planning.

The MPPS is a holistic approach to the production process, which allowed to separate systems and applications necessary for the implementation of the processes, from the specify needs phase to the evaluate phase.

To enable the implementation of the MPPS, an architectural framework was created as a basis for the construction and development of IT solutions to support the statistical production process.

Vital elements of the new architecture are data repositories for collect, process, analyse and disseminate phases, which will store the current "states" of the processed data. This approach facilitates access to statistical data for subsequent "states". Subsequent "states" of data result from the successive steps of their processing in the successive phases of the statistical production process. A horizontal system to support statistical production is the Metainformation system (MS). The MS is necessary to monitor and manage the production process. The main role of the MS is to provide consistent metadata for all phases of the statistical production process. This allows an overall control of the statistical production process.