



‘Geostatistics Portal in Poland’

Author 1: Janusz Dygaszewicz

Central Statistical Office of Poland, Poland

Author 2: Amelia Wardzińska-Sharif

Central Statistical Office of Poland, Poland

For several years public statistics in Poland is creating and using spatial data. In order to guarantee the technical conditions required by INSPIRE directive with regard to modern technologies and information standards, and taking into consideration the technological needs of the census and current surveys, the Central Statistical Office had undertaken work in order to ensure the spatial identification of the included objects on the basis of digital maps and GIS technologies. Among employees of official statistics about 210 people were trained in GIS tools. With the use of reference materials in the public statistics following sets were created:

- statistical address points (the x,y location of all buildings from the National Official Register of Territorial Division of the Country – TERYT, means all buildings containing dwellings),
- statistical regions,
- census enumeration areas.

These sets are part of the so-called spatial address databases. The data from these databases were used to carry out the Agricultural Census 2010 and Census of Population and Housing 2011.

In order to visualize the results of Agricultural Census 2010 and Population and Housing Census 2011 on maps Central Statistical Office is creating the Geostatistics Portal. For the purposes of spatial visualization data aggregated to various administrative and statistical units (e.g. municipalities, counties, NUTS regions) is prepared, maintaining statistical data confidentiality. The portal will publish predefined thematic cartograms based on the aggregated data. In addition users will be able to edit thematic maps and print maps produced by themselves. For users within official statistics the portal will provide various tools for advanced spatial analysis on microdata (e.g. analysis in a user defined area). Results of such analysis can be published in the portal as well if it meets the requirements of statistical data confidentiality.

Aside from census and other surveys results the Geostatistics Portal, as part of the national spatial data infrastructure, will publish datasets, services and metadata regarding INSPIRE Annex III data themes: statistical units & population distribution (demography).