



The system of official statistics in Poland

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Long-term history (tradition) of Polish statistics

- **1789 - first countrywide population census in Poland.**
- 1918 - establishment of Central Statistical Office (CSO) Poland as a central statistical institution responsible for coordination of all statistical surveys and data release.
- **Almost 100 years** of continued existence and development of CSO Poland.

Continuous development of Polish statistics

- Multiple system changes in regard of: organization, subordination, methodology and data release - arising from historical and social & economic factors.
- Key changes in Polish statistics due to the transformation of the Polish economy and society.
- Adaptation of Polish statistics to international standards (UN, OECD in connection with joining the organization, and ESS for the integration of Poland with EU).

Institutional framework - legal basis

- Law on official statistics taking into account:
 - professional independence
 - coordinating role of the CSO President (programme of statistical surveys of official statistics as an instrument of coordination)
 - statistical confidentiality
 - access to the use of administrative data
 - **equal, indiscriminate and simultaneous** access to the statistical information as a rule

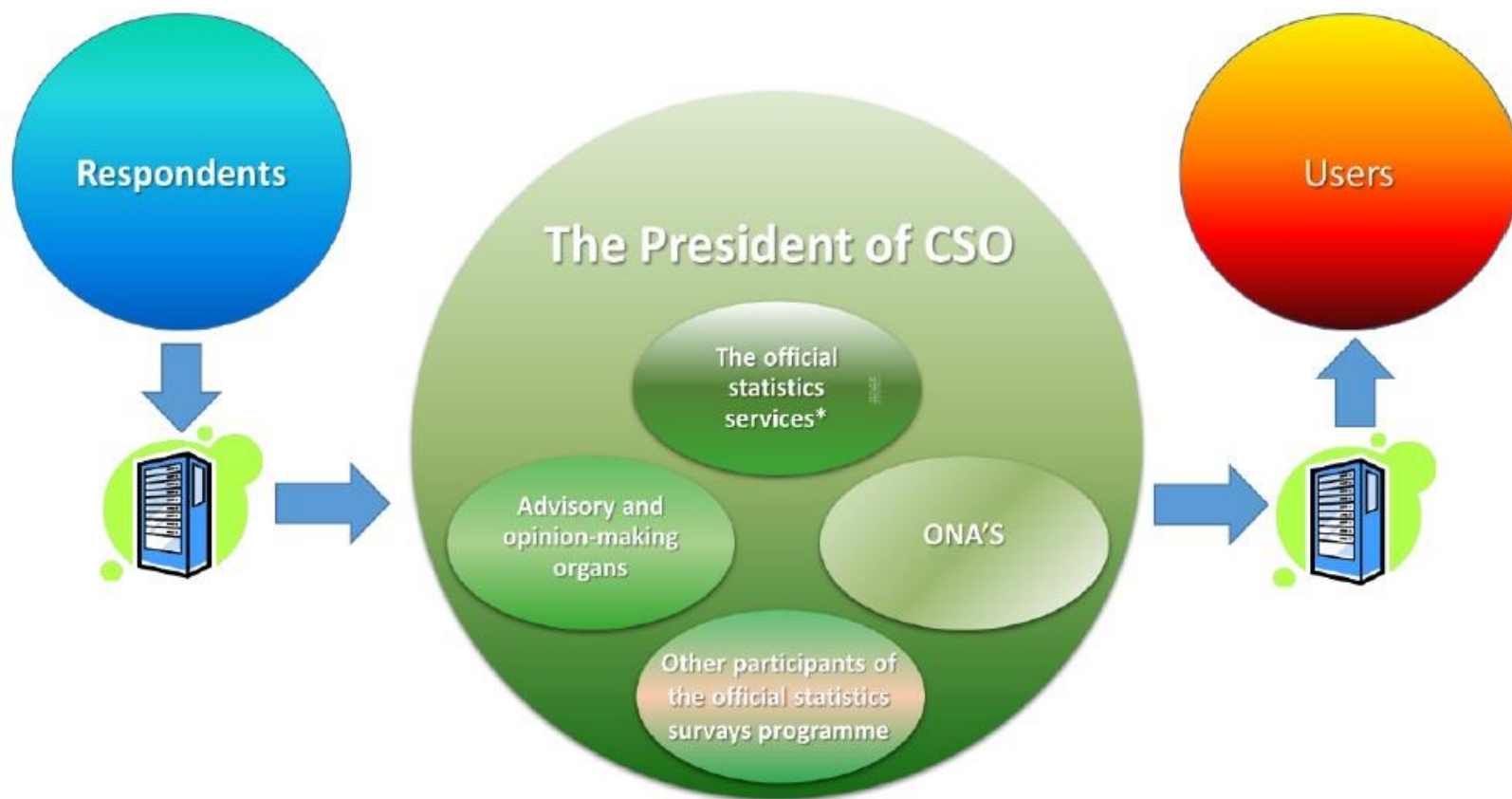
Other national legal acts significant for statistics:

- Personal data protection act
 - Act on the digitalisation
 - Civil service act
- Regulation (EC) no 223/2009 of the European Parliament and of the Council on European statistics (including principles of CoP) as a determinant of NSS activities in the course of implementing European norms and standards.

Institutional framework - organization of NSS

- Polish National Statistical System (NSS) - centralized, institutionalized, coordinated by the CSO President system of gathering, processing and release of statistical data, major figures and indicators.
- The system is composed of the official statistics services, ONAs and other participants conducting or co-conducting official statistics surveys to satisfy information needs of the state, society, the European Union, and international organizations.
- The President of CSO - central organ of public administration competent in matters concerning official statistics, independent, coordinating NSS.

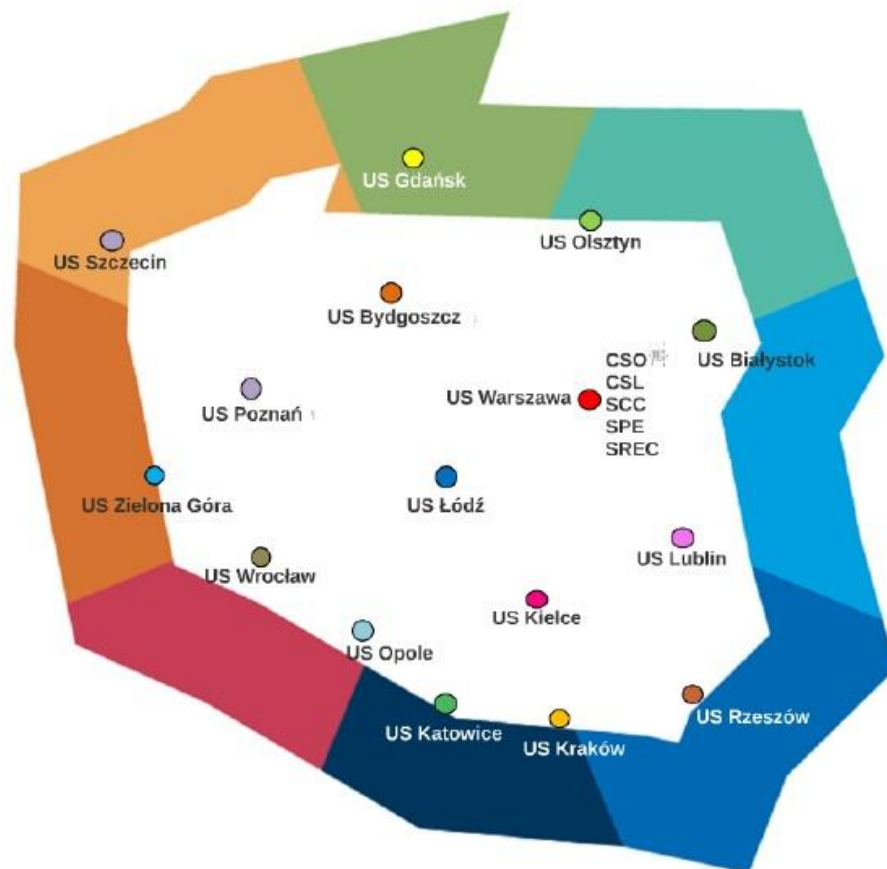
Polish National Statistical System



- **CSO** - an office of government administration that serves the President of CSO and operates under his direct management
- **Directors of 16 statistical offices** - subordinated to the President of CSO, organ of unintegrated local administration competent in matters concerning local official statistics

- **The official statistics services** - The President of CSO and subordinated to him :
- 16 directors of the regional statistical offices,
- Central Statistical Off (CSO) and supporting units:
 - Central Statistical Library (CSL),
 - Statistical Computing Centre(SCC),
 - Statistical Publishing Establishment (SPE),
 - Statistical Research and Education Centre (SREC)

The official statistics services

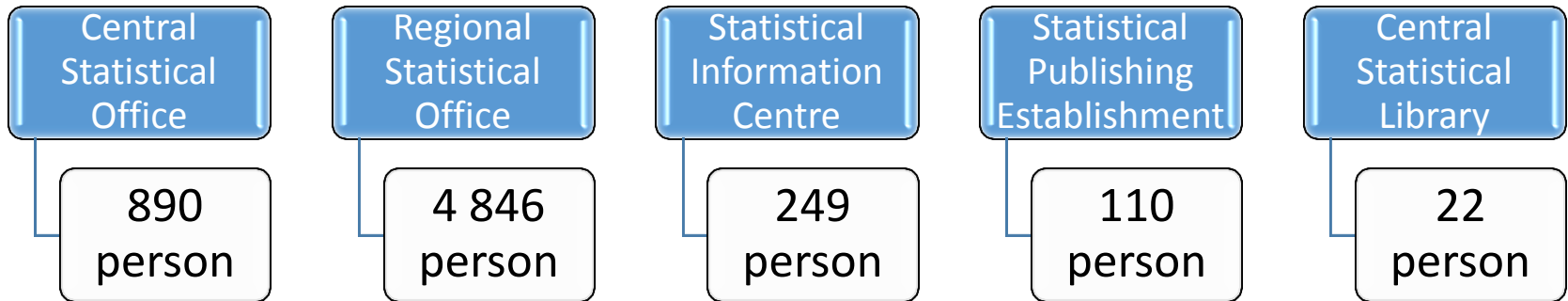


CSO – an office of government administration that serves the President of CSO and operates under his direct management

Director of statistical office
– subordinated to the President of CSO, organ of unintegrated local administration competent in matters concerning local official statistics

Specialization – gathering, processing and release of statistical data in certain statistical domains for the benefit of the entire official statistics

Employment



Annual Programme of the Statistical Survey of Official Statistics

Institutional framework – coordinating role of the CSO President

Coordination instruments

1. Elaboration of annual programme of statistical surveys of official statistics – introduced as the Council of Ministers regulation
Development and consultations of the subject matter of surveys, terms and forms of data release; meeting national and international information needs

Entities taking part in consultations of the draft programme

Organisations conducting surveys
– (including ONAs), data suppliers

Data users

Advisory and opinion-making bodies:

- The Statistical Council
 - ✓ submits the draft programme to the Council of Ministers
 - ✓ assesses the scope and methodology of the submitted draft programme, including new and periodic surveys
 - ✓ participates at each stage of the draft programme development
- Scientific Statistical Council
- The Program Commission

Public availability – the successive versions of the draft programme are published on the Government Legislation website.

Processes of statistical production Methodology

- Applying uniform standards in regard of definitions, classifications and nomenclatures
 - Definitions of terms - Glossary of terms - instrument ensuring terminological consistency and uniform understanding of terms by all participants of the processes.
 - Standard classifications and nomenclatures consistent and harmonized elementary tool for gathering, processing and presenting of statistical database.
- Harmonized methodology and statistical procedures according to ESS standards.
- Cooperation with representatives of science - guarantee of reliable methodology, elaborated on a scientific basis.
- CSO Scientific Statistical Council.
- Methodological Commission.
- Cooperation with users - communication and education (mutual).

Generic Statistical Business Process Model

UNECE/Eurostat/OECD

Quality Management/Metadata Management

1 Specify Needs	2 Design	3 Build	4 Collect	5 Process	6 Analyse	7 Disseminate	8 Evaluate
1.1 Identify needs	2.1 Design outputs	3.1 Build collection instrument	4.1 Create frame & select sample	5.1 Integrate data	6.1 Prepare draft outputs	7.1 Update output systems	8.1 Gather evaluation inputs
1.2 Consult & confirm needs	2.2 Design variable descriptions	3.2 Build or enhance process components	4.1 a Geocode frame & sample	5.2 Classify & code	6.2 Validate outputs	7.2 Produce dissemination products	8.2 Conduct evaluation
1.3 Establish output objectives	2.3 Design collection	3.3 Build or enhance dissemination components	4.2 Set up collection	5.3 Review & validate	6.2 a Prepare spatial analyses & maps	7.2 a Manage spatial analyses & maps using GIS	8.3 Agree an action plan
1.4 Identify concepts	2.4 Design frame & sample	3.4 Configure workflows	4.3 Run collection	5.4 Edit & input	6.3 Interpret & explain outputs	7.3 Manage release of dissemination products	
1.5 Check data availability	2.5 Design processing & analysis	3.5 Test production system	4.3 a Geocode collection	5.5 Derive new variables & units	6.4 Apply disclosure control	7.4 Promote dissemination products	
1.6 Prepare business case	2.5a Design geocoding frame, sample & data collection	3.6 Test statistical business process	4.4 Finalise collection	5.6 Calculate weights	6.5 Finalise outputs	7.5 Manage user support	
	2.6 Design production system & workflow	3.7 Finalise production system		5.7 Calculate aggregates			
				5.8 Finalise data files			

Processes of statistical production

Data sources

Data sources for statistical surveys:

- electronic reporting,
- questionnaires, forms,
- administrative sources,
- secondary use of data, including:
 - external information systems,
 - statistical stocks in data.

Modern methods of data collecting: statistical Reporting Portal, CAWI, CATI, CAPI, on-line downloading.

Data quality assessment at the stage of processing:

- Control of data completeness.
- Control of data consistency.
- Control of data continuity.

Statistical products and results of an analysis

Forms of data release

- Printed publications, simultaneously available in digital form on the websites
- Statistical indicators concerning various areas of socioeconomic life
- Reports and analysis presenting processed results of statistical surveys
- Communiques, information notes, signal informations, monitorings
- Data bases:
 - **Local Data Bank**
 - **Foreign Trade**
 - **Demography**
 - **Statistical Vademecum** for self-government
 - **STRATEG** - system created for the purposes of development and cohesion policy monitoring
 - **Geostatics Portal** - modern tool for spatial presentation of data
 - **Analysis and Decision Support System** - useful tool for analysis of social, demographic, economic situation, and the state of environment

Statistical products and results of analysis

Tools for data release

- The main channel of data release - CSO website (new version available from April 2014). The website grants access to all types of statistical products with the help of:
 - **Efficient search engine** which facilitates access to information on the website.
 - **System of Directing Information** - providing access to statistical information resources available in other offices and institutions (schools, institutes, ministries, central offices etc.)
- Besides, users may use assistance of:
 - **The 17 Information Centres** (consultation and taking orders)
 - **The 16 Regional Statistical Research Centres**, satisfying regional needs for surveys and analysis, and promoting official statistics
- Other forms of dissemination of information:
 - Press conferences of the CSO President and briefings of the CSO President's Spokesman
 - Organizing conferences and seminars in a given subject

Development Directions of Polish Official Statistics - innovations

- **Drafting new act on official statistics** -implementation of consistent ESS rules
- **Wider range of administrative data use:**
 - Inventory of administrative resources.
 - Enhancement of the CSO President's role in determining information contents and quality of administrative sources, broader access to administrative data.
- **Alternative sources - Big Data**
- **Implementation of integrated model of organization of statistical surveys - towards GSBPM**
- The following actions were completed so far:
 - elaboration of methodology of diagnosing user needs,
 - elaboration of off statistics communication strategy with the external environment,
 - analysis of the possibility of integrating variables for data gathering,
 - inventory of the collected data – Statistical Metadata System.

Development Directions of Polish Official Statistics - innovations

- Improving ways of communicating with the external environment:
 - Statistical Infoline.
 - Mobile application – mStatPL.
 - Domain Knowledge Bases (DBW).
 - Complex examination of needs.
 - Satisfaction Survey.
- Enhancement of the CSO President's role in NSS coordination through availability of innovative methods of supporting partners
 - Enlargement of Information Standards Repository.
 - Enabling access to GUS-SDMX platform.
 - Enabling access to uniform IT tools for ONAs and other off statistics producers.

Working out the concept of Vision 2020 implementation within Polish National Statistical System, taking in consideration the ESSC recommendations

Thank you