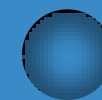


CHALLENGES OF SBR MODERNIZATION WITH RESPECT TO SPECIFIC STATISTICAL SUBJECTS (RESTRICTED ACCESS, CONFIDENTIALITY,) IN STATISTICAL OFFICE OF MONTENEGRO



MONSTAT

By Marijana Popovic-Roncevic, MSc.



I. Statistical business register – current situation

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III. Quality

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I. Statistical business register – current situation



- Statistical Business Register of Statistical Office of Montenegro was created in early year 2007;
- Statistical business register is composed of two parts: the administrative and statistical part;
- There is always a consistency between these two parts of the registry;
- Administrative sources and different statistical surveys are used for updating this register;
- There are variables for each of these units in the statistical business register, as follows: identification, stratification, demographic and relational.

II . The sources of the register maintenance



- Maintenance of statistical business register is not a single process. It is continuous activity.
- We maintained our statistical business register from different source with different periodicity.
- The register sources can be administrative registers, register surveys, feedbacks from survey results and other sources.
- For the our Business Register, the most important source is the Tax Authority register. Except this register we, also, use Central register of business entities and Central Bank register.
- Also, we have signed Agreements of understanding with :
 - Montenegro Business Alliance
 - Montenegrin Employers Federation.

II . The sources of the register maintenance/cont.



- Second source for maintaining of Business register are business register surveys. We have two BR surveys:
 - Survey for medium and large enterprises
 - Survey for legal units which has local units.
- We, also, use:
 - Internet,
 - web pages and
 - yellow pagesfor business register maintenance.

III. Quality



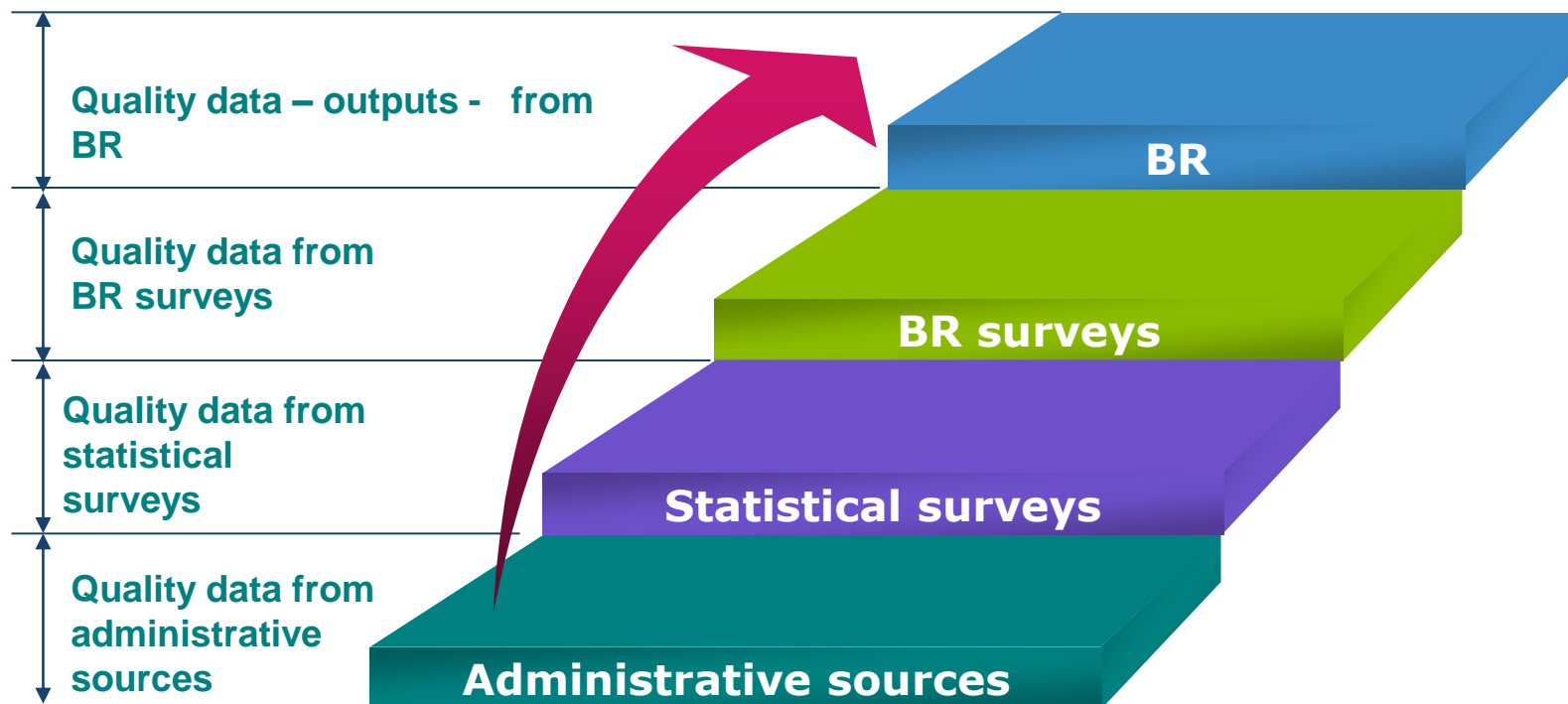
- There are many definitions of quality, but maybe in this case the best to define quality as “the degree to which a set of inherent characteristics fulfills requirements.”
- Considering business register’s specifications, just defining and measuring quality is different;
- At start, it can be told that statistical business register is a quality register when it satisfies user’s needs;
- Users can be: internal and external;
- Internal users refer to statistical surveys which use statistical business register as a framework

II. Quality/cont.



- The fact that this register is mostly updated from administrative sources tells that its quality very much depends on the quality of administrative sources themselves and the coherence of their variable definitions with the statistical definitions;
- Quality of business register depends on the quality of statistical surveys, and conversely, quality of statistical surveys depends on the quality of business register;
- Four leading administrative sources were recognized:
Department of Public Revenues,
Health Insurance Fund,
Central Register of Business Entities and
Central Bank of Montenegro.

II. Quality/cont.



IV. General process model



1	2	3	4	5	6	7	8
ANALYSIS OF NEEDS AND REQUESTS	SURVEY DESIGN AND PREPARATION	SELECTION OF OBSERVATION UNITS	DATA COLLECTION	STATISTICAL DATA PROCESSING	DATA ANALYSIS	DISSEMINATION AND STORAGE OF STATISTICAL DATA	SURVEY DOCUMENTATION AND EVALUATION
Determining data needs	Planning of resources and determining the list of activities with deadlines	Preparation of data sources for sampling frame preparation	Preparation for data collection	Editing of administrative data sources	Time series analysis	Updating of outputs	Preparation of survey documentation
Studying of sources	Defining of survey results	Sampling frame preparation	Taking over administrative sources	Micro-level editing	Analysis of adequacy and confirmation of results	Presentation of results	Collection of information for quality assessment
Verification of methodology	Preparation of the methodology for selecting observation units	Selection of observation units	Data collection and communication with reporting units	Integration of data sources	Interpretation of results	Publication	Process evaluation
	Preparation of statistical data processing methodology	Address list	Data capture	Imputation		User support	
	Organisation of cooperation with other institutions and planning takeover of administrative sources			Deflation		Storage of statistical aggregates	
	Questionnaire design and testing			Weighting		Storage of statistical microdata	
	Preparation of materials for communication with reporting units			Calculation of statistical estimates (aggregation)			
	Pilot survey design and implementation			Macro-level editing			
				Table preparation			
				Statistical data protection			

IV. General process model/cont.



- This process is used in our office every time when we started with surveys. We always try to hear user needs and to analyze where we can find available this data.
- Our very important goal is to have less response burden. Very important step in the first phase of this process is preparing and verifying methodology.
- For different surveys we use different ways of collecting data. For example for Survey about medium and large enterprises we used e-mail addresses and sent all questionnaires on that way. Also, we had a feedbacks from enterprises on e-mail.

V. Challenges of SBR modernization with respect to specific statistical subjects (restricted access, confidentiality)



- The role of statistical business registers in the process of modernization of business statistics is very important.
- We recognized some new possible data sources and in near future we will analyze quality of data from them and maybe we will change priority rules.
- In this last quarter of 2015 we will start to use new changed application for business register with new tools. This application will give us possibility for example for self-selection of sample.
- We, also, need to improve efficiency and timeliness of data in business register.
- The biggest our challenge is implementation and work on geospatial data in business register.

V. Challenges of SBR modernization with respect to specific statistical subjects (restricted access, confidentiality)



- Our problem is because this work is not depending of us and we must wait for Real Estate Administration that they make address register.
- We have very strict rules for data confidentiality and access to the Business Register. Micro data can be used by researchers but only without identifier.
- Our Business Register methodology define different right for access for different statistical surveys.



Thank You !

e-mail: marijana.popovic@monstat.org
www.monstat.org