



# Assuring Quality of Data Sources and Exploration and Use of New Data Sources

**GEORGIA**



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# Assuring Quality of Data Sources



- Quality routine description is in place, Works for data validation are carried out by the respective subject matter departments staff according to the routine descriptions;
- Regular trainings are carried out for field staff on methodological and technical issues of the surveys;
- For data collection electronic methods are used, logical and arithmetical control functions is implemented in the online questionnaires;
- Contact with companies is established for confirmation or correction some data;
- Statistical indicators are compared with corresponding indicators of the previous periods and other sources (where applicable).

# Geostat and Use of New Data Sources



**Geostat is currently working on implementation of advanced methods of data collection in price statistics:**

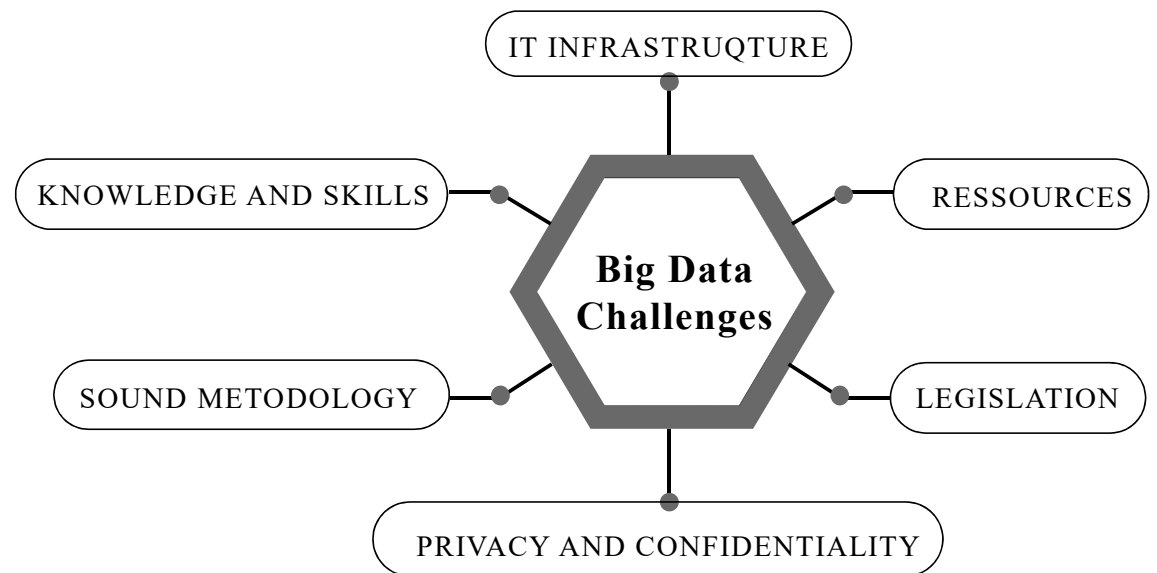
- **Web scraping** is used in a pilot survey of the Residential Property Price Index. Several websites are being surveyed to obtain the data on prices and characteristics of residential dwellings;
- Works are undertaken for implementation of web scraping in several areas of the CPI
- Survey, such as data collection and quality adjustment methods (creation of a hedonic regression model for electronics).
- **Scanner data** is considered to be a potential direction of further improvement of price collection methods in the CPI survey.



# Challenges of New Data Sources



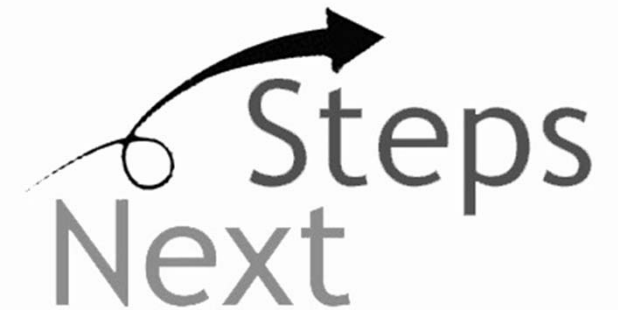
- **Resources**
- **Knowledge and skills**
- **IT infrastructure**
- **Sound methodology**
- **Legislation**
- **Privacy and confidentiality**



# Future plans on Big Data



- **Identification of statistical surveys related with new data sources**
- **Identification, analyses and evaluation of new data sources**
- **Active cooperation with new data providers**
- **Building capacity for new data sources**





Thank you for attention!

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