Using IST – integrated system of data processing and online data collection in the Pilot Census of population 2019

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Introduction

• Organisational structure
• Modernisation of regional offices
• Replacing paper questionnaires
• CAPI, CAWI, CATI
• Standardize data entry
Solution for processing statistical data. It covers multiple stages of statistical production.

- One platform for all data
- One solution for all surveys
- Metadata driven
- One interpreter of metadata
- Tracking executed logical controls
- Tracking information of data edit or data imputation
- Different data from different surveys are connected
- Data entry, processing and reporting at one place
- Unique interface regardless of statistical domain or questionnaire type
The purpose of the IST-CAPI system is to provide support to statistical surveys conducted by the CAPI method using laptop with Windows operating system.

- Authentication and authorisation of the interviewer
- Receiving of new and updating of the existing data and applications on the client computers
- Sending of the survey data from the client to the central location
- Archiving of the survey data on the client
- Offline and online mode
Basic information about population pilot census

- 51 municipalities / cities
- 20,000 households and dwellings
- 50,000 persons
- 85 enumerators, 25 instructors
- Two methods for data collection, CAPI and CAWI
- CAWI aimed to cover 13000 persons
CAWI

- Testing the online data collection method before the population census
- 5000 letters was sent during pre-census activities
- SORS and the Bidder provided respective support to interested parties in self-enumeration
- Security measures taken, all households were provided with user ID Unique Verification code
Monitoring dashboard – survey management

- Verify the progress of the pilot and to highlight any problems in the collection process.
Monitoring dashboard – survey management

- Making the census more visible and attractive to all population
Enumerator: My question is ...

Instructor: The answer is ...

Now I get it! 😎

Perfect! 👍

Like! 😊

Thank you! 😊

UPS! 😞
Conclusions

• CAPI solution will be upgraded with numerous logical controls which can be used in the real time to underpin data collection process
• Machine learning algorithm and chatbot will be implemented
• The response rate for the CAWI self enumeration method was very low
• Difficulties with monitoring the coverage with CAWI
• Monitoring dashboards for survey management will be enhanced and widely used
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Thank you!

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