SBR QUALITY

Training Course on "Statistical Business Registers"
under SESRIC Statistical Capacity Building Programme
April 1-2, 2024,
Online

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Code of Practise 15 principles

- Pr1: Professional independence
- Pr2: Mandate for data collection
- Pr3: Adequacy of resources
- Pr4: Quality commitment
- Pr5: Statistical confidentiality
- Pr6: Impartiality and objectivity
- Pr7: Sound methodology
- Pr8: Appropriate statistical procedures
- Pr9: Non-excessive burden on respondents
- Pr10: Cost effectiveness
- **Pr11: Relevance**
- **Pr12: Accuracy and reliability**
- **Pr13: Timeliness and punctuality**
- **Pr14: Coherence and comparability**
- **Pr15: Accessibility and clarity**

Quality in BR

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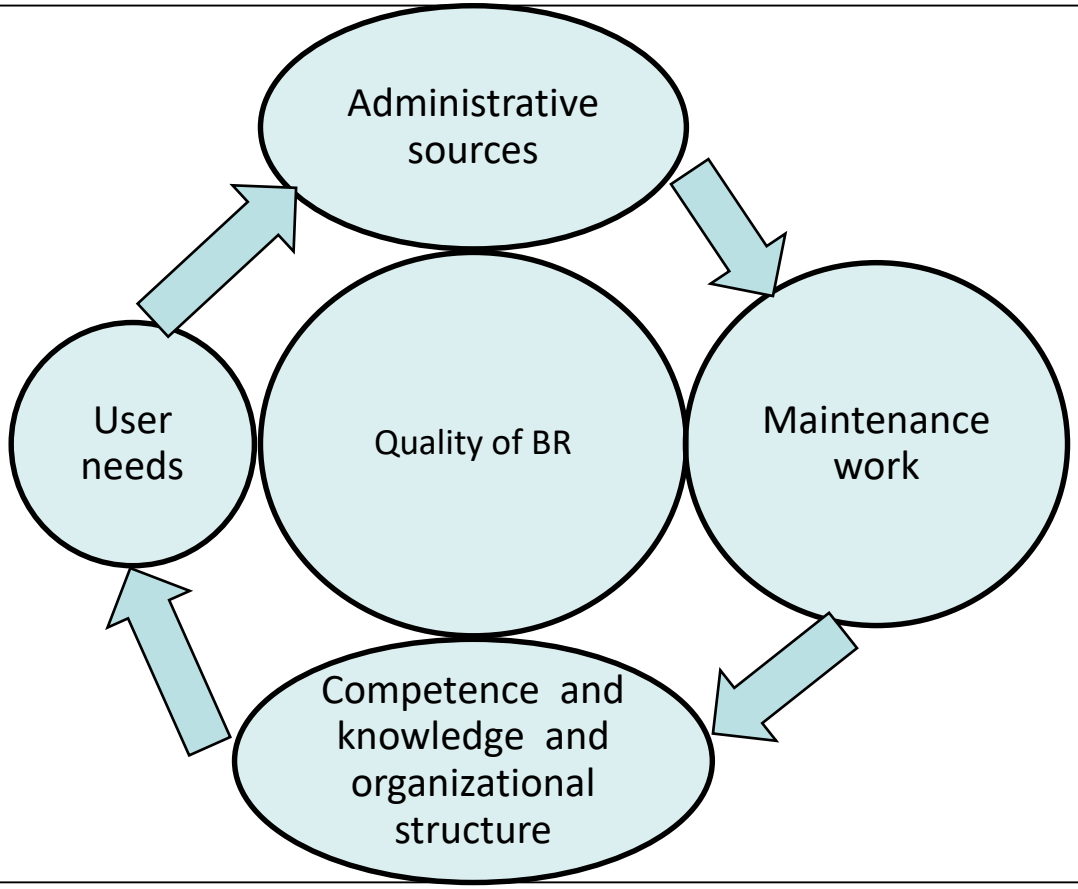
Definition: Meeting the user needs. Which User? Priorities?



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Quality Criteria

- Relevance - Relevant to the user needs (units, variables, population)
- Accuracy - Reflecting reality – Quality Survey?
- Timeliness and punctuality - How often update?
- Accessibility and clarity - Users can access?
- Comparability - Geographically, by time etc. (panel data – business demography)
- Coherence - Internal and external consistency

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Reasons for Quality Defects

- Gaps in declaration procedures
- Inaccurate declarations
- Coding errors
- Falsely active units or vice versa

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Possible Quality Improvements

- Improvement of data transfer channels
- Efficient use of data source
- Improving metadata
- Increase of users
- Improvement of data processing
- Focusing on significant units

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Possible Quality Improvements

- Frequency of updates
- Better coverage
- Comparison with other sources
- Cost – response burden or cost to the statistical system

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Possible Quality Measures

- Control surveys
- User needs surveys
- Coverage checks (Comparison with other sources)
- Process quality audits (clerical jobs and automated processes)
- Cost – response burden or cost to the statistical system

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SBR Quality and Surveys

SBR errors can have a big impact on the processes and results of surveys based on the SBR.

Non-response and coverage problems may result in significant non-sampling errors. These two problems are inter-related and can be attributed to SBR errors.

- ✓ *Impossible to contact a unit included in the frame because the contact characteristics are wrong*
- ✓ *Units wrongly included in the frame may be selected for the sample and then found to be out of scope, thus reducing the effective sample size*
- ✓ *The impact of frame errors on survey estimates is a measure of the accuracy of the SBR*

Thank you for your attention!