



User needs, quality management and analytical requirements

Session 3: Securing quality of statistical information and improving data coherence through statistical analysis and analytical frameworks



The presentation will outline the content of 3 chapters:

- **VI “Users and their needs”** (*Drafted*)
- **VII “Quality management”** (*Drafted*)
- **IX “Analysis and analytical frameworks”** (*Being drafted*)

Advance drafts can be found here:

<https://unstats.un.org/wiki/display/HSO/Handbook+Statistical+Organization>



Chapter VI “Users and their needs”

Chapter VI: the various groups of users of official statistics and their specific needs are detailed..



Chapter VI “Users and their needs”

Increased demand for data and the importance of official statistics

Specific requirements for the SDGs

Measuring and analysing user needs

Needs of Government

General needs of Government

Ministries of finance

Other ministries

Organizing and establishing contacts

Regional and local government



Chapter VI “Users and their needs”

Needs of businesses

Large businesses

Small and medium-sized businesses

Needs of education and academia

Needs of the media

Needs of researchers

Needs of international institutions

Needs associated with the Sustainable Development Goals

Relevance to other producers of official statistics



Chapter VII “Quality management”

Chapter VII: developing and administering a statistical quality framework.



Chapter VII “Quality management”

General quality management systems

ISO 9000 series

ISO 20252:2012 market, opinion and social research

Six Sigma

Lean

European Foundation for Quality Management

Other general quality management systems

Statistical quality assurance frameworks

United Nations National Quality Assurance Framework

European Statistics Code of Practice and Quality Assurance Framework of the

European Statistical System

International Monetary Fund Data Quality Assessment Framework

Other statistical quality assurance frameworks



Chapter VII “Quality management”

Developing a statistical quality framework

Defining the dimensions of statistical quality

Creating and maintaining a culture that ensures and promotes statistical quality

Developing guidelines on statistical quality

Monitoring and control of statistical quality

Evaluating statistical quality

Branding and certifying statistical quality

Implementation of a statistical quality framework

Need for a statistical quality assurance unit and a statistical quality assurance manager

Need for a statistical quality assurance committee

Role of national statistical office staff

Relevance to other producers of official statistics



Chapter IX “Analysis and analytical frameworks”

Chapter IX: the extent to which data should be supplemented with analysis, and the frameworks and methods for doing so.



Chapter IX “Analysis and analytical frameworks”

Supplementing data with analysis

Facts and their interpretation

Analytical functions and information

Review of publications

Methods and systems of analysis

Regression and correlation; Seasonal adjustment and time series; Confidentiality rules and disclosure control ; Commercial off-the-shelf systems (SAS software, Statistical Package for the Social Sciences software, R statistical software) ; In-house developed systems



Chapter IX “Analysis and analytical frameworks”

Conceptual framework and organisational arrangements for:

- National accounts
- Balance of payments
- Gender Statistics
- Environmental accounts
- Labour accounts
- Tourism accounts
- Health Accounts



MANAGING A STATISTICAL ORGANISATION IN TIMES OF CHANGE

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Issues for discussion

Your input required !



Issues for discussion

- Have we missed any issues you would like to see covered?
- Can you provide us with any relevant success stories, new initiatives or best practices?