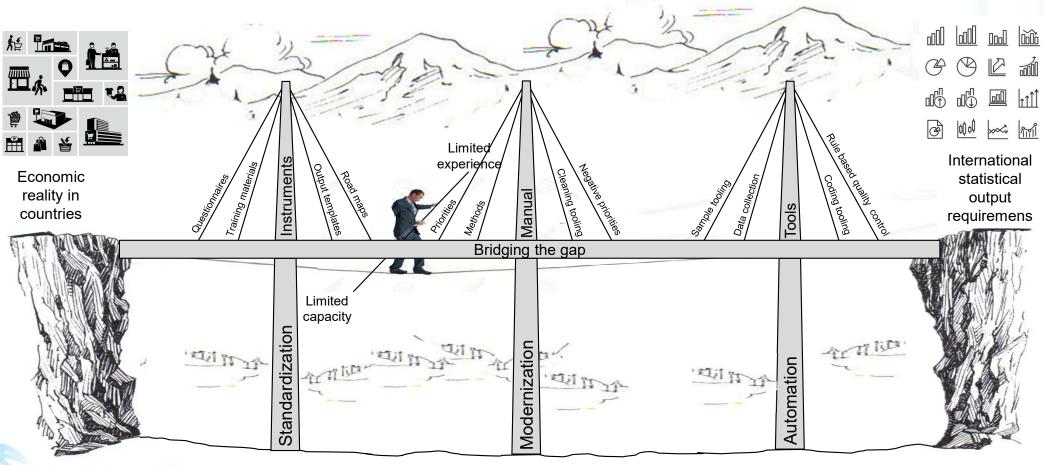


UNEBTS

Arthur Giesberts, 2025 Development Economics Data Group (DECDG)





The need for and suggested nature of technical assistance

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Examples of standardization Concepts, terminology and scope

1. of terminology

(important for international comparability, but also for respondents and national users)

Examples of names of surveys and publications for annual enterprise surveys (also as inputs for GPD/National Accounts)

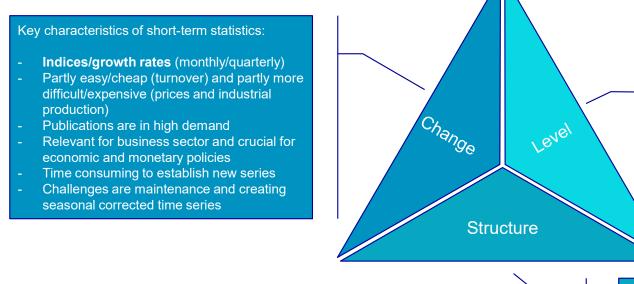
- "Census of industrial production"
- "Manufacturing Sector Baseline Data Survey"
- "Economic Activity Census"
- "Annual financial statistics"
- 2. of concepts that need to be measured Structure, level and change (see subsequent slide)
- 3. of scope (important for efficiency, timeseries, sustainability, but also for administrative burden)
 - Example of press release

"Five major enterprise-related initiatives were discussed at the conference. These initiatives include the Annual Survey of Industries, Annual Survey of Unincorporated Sector Enterprises, Annual Survey of Service Sector Enterprises, Capital Expenditure Survey, and the Economic Census."

- 4. of (dynamic) questionnaires (automatically adjusting to industry, size and circumstances) Dissociated from "text book" questionnaires (too ambitious and unrealistic to collect and to process: less is more)
- 5. of etc.



Example of standardization 1/2 What needs to be measured and published (and how)



Key characteristics of annual statistics:

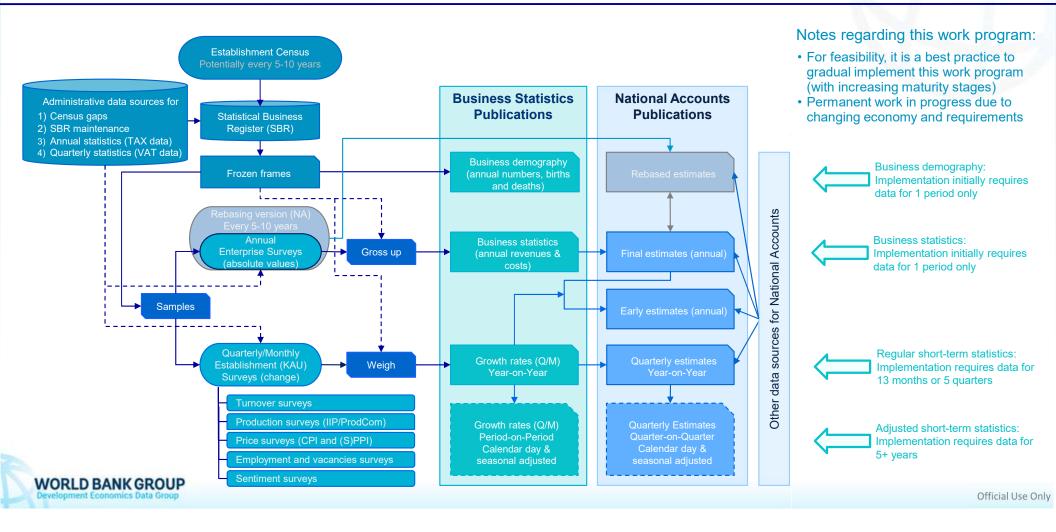
- Absolute values (mostly annual)
- Most difficult (due to need for exhaustiveness)
- Most costly and time consuming (per publication)
- Substantial time lag in publication
- Interesting for in-depth analysis (measurement of structures and changes in structures)

Each statistic has different strengths and weaknesses, uses different methods and is published differently. Methods are not as interchangeable as one may think. Key characteristics of statistical business registers (SBR):

- Number of enterprises, births and deaths
- Main characteristics are industry, size and location
- Based on economic establishment census, administrative data and survey data
- Relatively easy but expensive
- Interesting for all types of users, including general public

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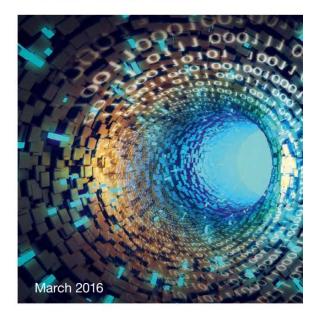
Examples of standardization 2/2 Generic work program in Business Statistics and linkage with NA



Examples of modernization UK, Australia, the Netherlands

Independent Review of UK Economic Statistics

Professor Sir Charles Bean



Modernization Processes in National Statistical Offices - Transforming the Australian Bureau of Statistics

Jenny Telford (corresponding author), Roozi Araghi and Peter Samson Governance, People and Culture Division, Australian Bureau of Statistics ABS House, 45 Benjamin Way, Belconnen, ACT 2615, Australia Phone: +612 6252 6473 Email: Jenny.Telford@abs.gov.au

Abstract

The Australian Bureau of Statistics (ABS) has commenced one of the most significant change processes in its 100 year history. In order to harness new opportunities, meet changing community expectations and ensure its ability to continue to provide trusted statistics that shape decision making, the ABS Transformation will encompass activity across six dimensions – environment, strategy, governance, people, culture and infrastructure.

This paper explores the drivers and goals guiding the ABS Transformation, as well as the actions underway across each of these six goal areas and how we will measure our progress over the coming years. It posits that the success of the transformation will be driven not only by the ABS's ability to implement a new set of statistical business infrastructure and processes, but by the way in which our people work, with new skills and a transformed culture.

Key Words

Transformation, Environment, Strategy, Governance, People, Culture, Infrastructure, Statistical Business, Stakeholders, Data Integration, Risk, Change.



Redesigning the chain of economic statistics at Statistics Netherlands: STS-statistics as an example

October 2008

Conference: International Association for Official Statistics (IAOS) - At: Shanghai, China Authors:



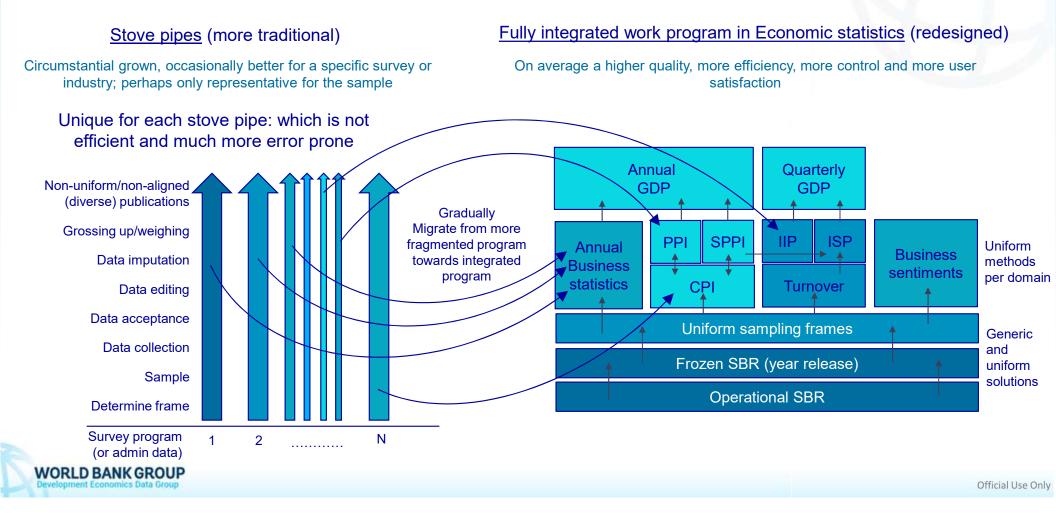
Citations (3) References (13)

Abstract

Statistics Netherlands (SN) started a programme called HEcS+ in order to redesign the chain of economic statistics. The programme aims to improve the quality of the statistical outcomes, to reduce the response burden and to realise budget cuts. Central to the HEcS+ programme is the business architecture: a framework for (re)designing statistical processes. One of the projects within the programme investigates whether survey data of small and medium-sized units can be replaced by VAT data to compile short-term statistics (STS). This paper firstly gives a brief overview of the HEcS+ programme and its business architecture and subsequently focuses on the methodology and results of the STS-project.



Example of modernization From "historical grown" stove pipes to a modern integrated system

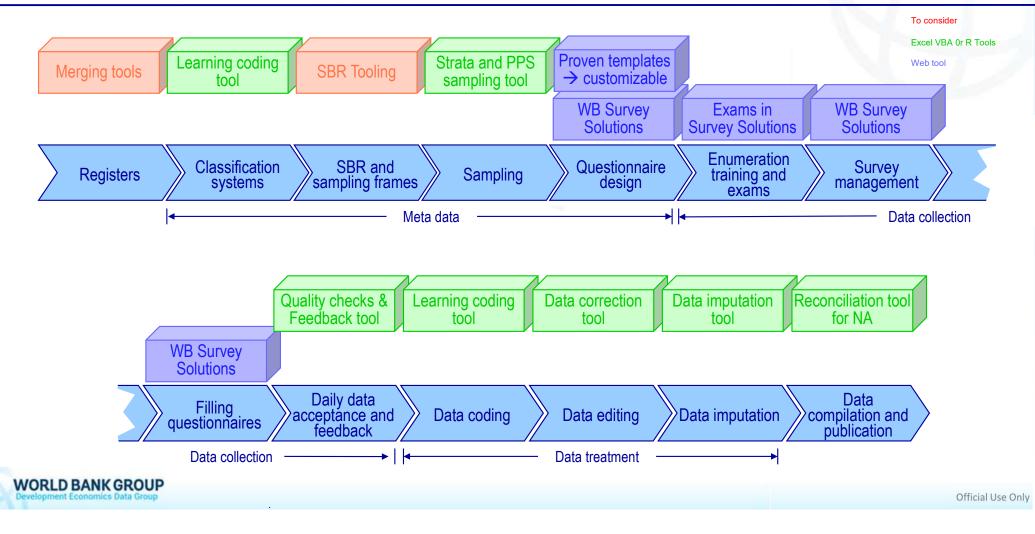


Examples of automation Versatile tools and rule-based data processing

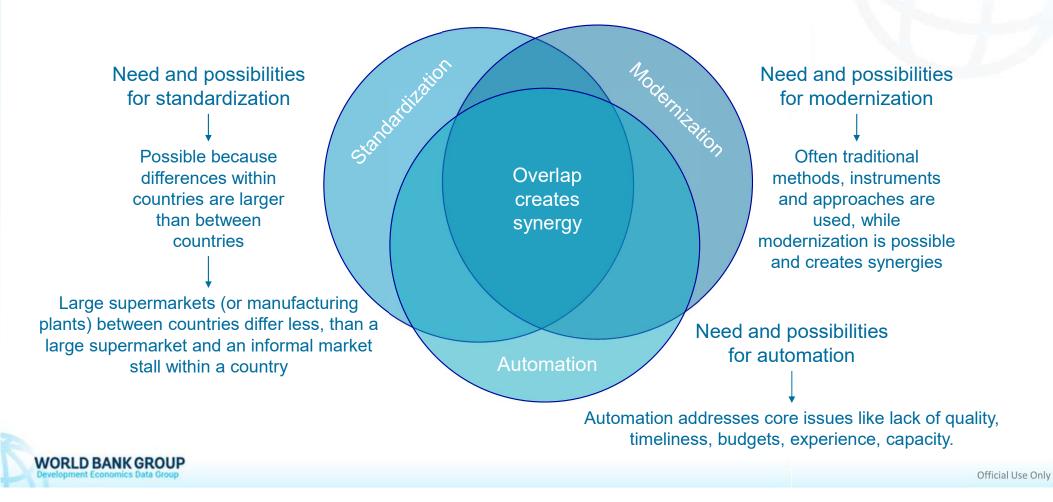
- 1. of data collection (important for international comparability, but also for respondents and national users) Examples of names of surveys and publications for annual enterprise surveys (also as inputs for GPD/National Accounts)
 - "Census of industrial production"
 - "Manufacturing Sector Baseline Data Survey"
 - "Economic Activity Census"
 - . "
- 2. of quality checks and feedback (important for international comparability, but also for respondents and national users)
 - Examples of names of surveys and publications for annual enterprise surveys (also as inputs for GPD/National Accounts)
 - "Census of industrial production"
- 3. of enumerator exams (important for international comparability, but also for respondents and national users) Examples of names of surveys and publications for annual enterprise surveys (also as inputs for GPD/National Accounts)
 - "Census of industrial production"
- 4. of data coding (important for international comparability, but also for respondents and national users) Examples of names of surveys and publications for annual enterprise surveys (also as inputs for GPD/National Accounts)
 - "Census of industrial production"



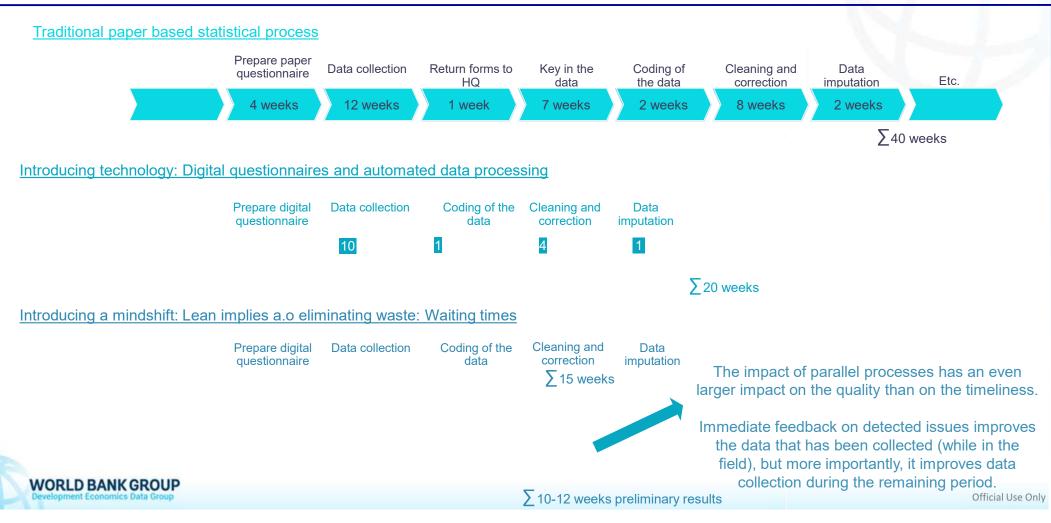
Example of automation Process steps and enabling tooling



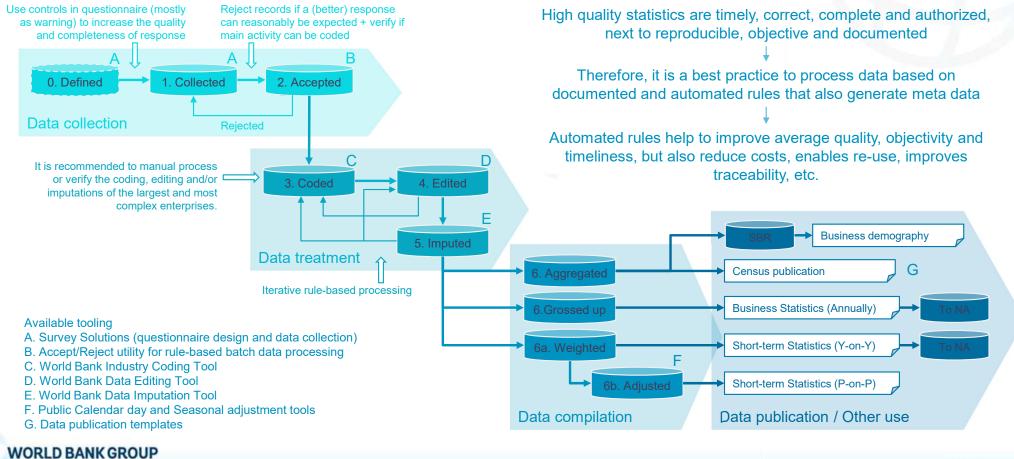
There are important overlaps, creating energy



Example of synergy Using technology allows for modernization



Example of synergy between modernization and automation Demarcated process stages and rule-bases data processing



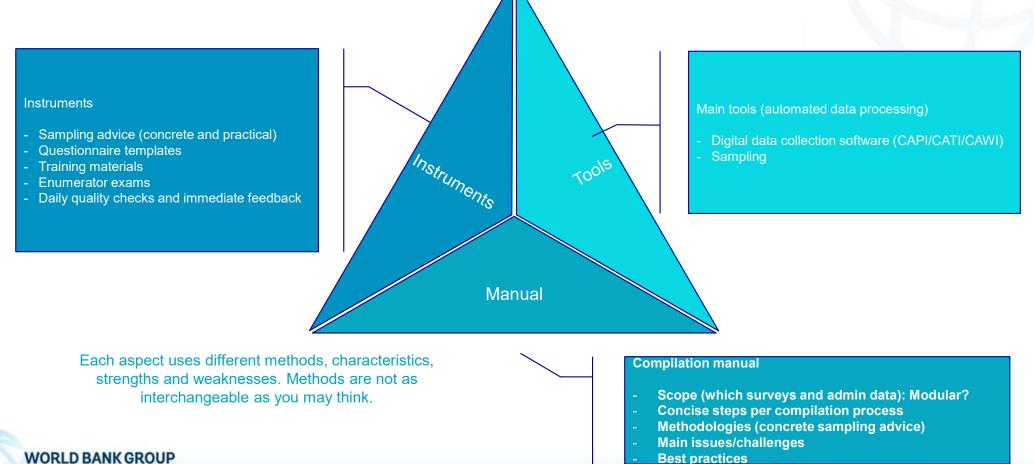
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Steps towards a compilation manual and more

- Collecting and showcasing best practices
- Examples 10 rules for census
- Examples 10 rules for annual economic statistics



Business statistics (also for National Accounts purposes) measure different aspects of the economy



Best practices

Statistical terms and concepts Frame, Survey, Outlier detection, Imputation, etc.

2) 3)

4)

