Products and Sources:

Issues and Challenges

Steven Vale
on behalf of the
Modernisation Committee
on Products and Sources

Introducing the Modernisation Committee

- Terms of reference:
  - Develop access to and use of the range of data sources needed to support modernisation
  - Develop products to meet increasing demands of users
  - Operational responsibility for work on statistical data collection, including maintaining the wiki and sharing ideas and experiences through case studies
  - Promote collaboration in relevant areas, such as:
    - Big Data
    - Access to micro-data
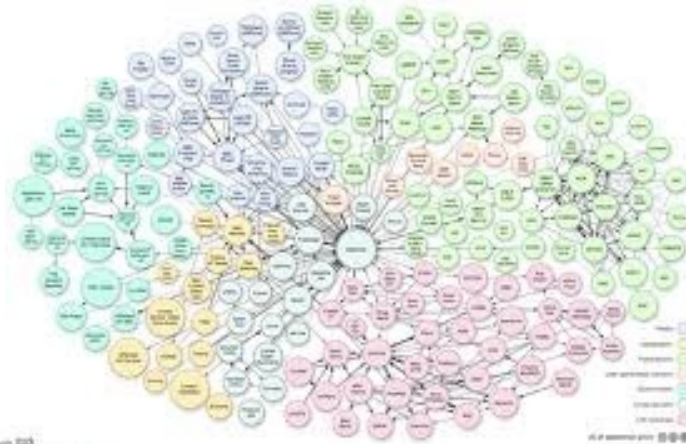   - Statistical confidentiality
    - Open data

Membership

- Jenine Borowik (Australia) - Chair
- Julie Trépanier (Canada)
- Franck Cotton (France)
- Richard McMahon (Ireland)
- Stefano De Francisci (Italy)
- Barteld Braaksma (Netherlands)
- Amy White (New Zealand)
- Anna Dlugosz (Poland)
- Michail Skaliotis (Eurostat)

Existing activities that will fall under this Committee

- Seminars on Statistical Data Collection
- Work Sessions on Statistical Data Confidentiality
- Work Sessions on Statistical Communication
- Temporary Task Teams on Big Data

The issues

Issues and challenges (1)

- Big Data
  - Common processes for acquiring Big Data and the necessary architectures and services to manage them
  - Proposed HLG project on Big Data
  - Collaboration with other modernisation committees and external groups
  - Outcomes: Better understanding of the potential of Big Data as a source for official statistics, including:
    - Strategic issues and solutions
    - Methodological issues and solutions
    - Technical issues and solutions
    - Inventory of projects and experiences

Big Data Project Proposal

- Project proposal from global task team:
  - Objectives: Develop and test methods and tools
  - Scope: Big Data in modernisation of official statistics
  - Work package 1: Issues and methodology
  - Work package 2: Shared computing environment ("sandbox"), practical application of methods and tools
  - Work package 3: Training and dissemination
  - Work package 4: Project management

Issues and challenges (2)

- Open Data and Linked Data
  - Role in statistical production
    - Integration with other dissemination channels and development of products
    - Use as sources for statistics
  - Outcomes:
    - Guidelines for using linked data in statistical production
    - Concrete steps to share formats and create common outputs
    - A mechanism for sharing experiences

Issues and challenges (3)

- Mobile devices
  - Increasingly important for both data collection and dissemination
  - Outcomes:
    - Shared applications to encourage data supply and use, e.g. statistics-based games
    - A mechanism for sharing ideas and experiences

Issues and challenges (4)

- Greater exploitation of administrative data:
    - Developing methods for long-term longitudinal analyses
    - Investigating the possibilities of linked administrative data sets
    - Collaboration with MC on Production and Methods
    - Outcomes: Mechanisms for sharing ideas, experiences and good practices

Issues and challenges (5)

- Provider and consumer engagement
  - Recognising that respondents can also be users
    - "Prosumers"
  - Developing respondent engagement strategies
    - Improve collection efficiency
  - Assessing capability and motivation to respond
  - New demands, e.g. microdata access
  - Outcomes: mechanisms for sharing strategies and good practices

Issues and challenges (6)

- Marketing official statistics
  - Stressing the importance and value of official statistics compared to other data sources
  - Improving transparency and user engagement
  - Statistical literacy
  - Marketing the modernisation of statistics to:
    - Key users
    - Our staff
  - Outcomes: A contributed paper for the CES 2014 seminar "What is the value of official statistics and how do we communicate that value?", as well as follow-up activities to that seminar

What do you think?