

# Modernisation and Quality of Business Statistics – NSI Perspective

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## 3 basic developments:

- Emergence of the Information Society
  - Globalization
  - Shift in the balance of power between NSIs and businesses
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- Erikson, Haraldsen & Snijkers, 2012, UNECE Seminar, Geneva
  - Snijkers & Haraldsen, 2013, BLUE-ETS final Conference, Brussels

## 4 challenges in modernization:

1. Modernizing current business survey methodology
  2. Quality of register-based statistics
  3. Blending designed and organic data
  4. Producing statistics in a globalized world
- Some first ideas ...  
within the framework of data collection strategies:  
making multi-source/mixed-mode strategies work!
  - Our knowledge is focused on 1st challenge:  
your input is welcome!

## Modernizing current business survey methodology

### Primary data collection tailored to the business context:

- Automatic Data Capture (+ Metadata Questionnaires)
  - For large and stable data deliveries
- Web Questionnaires administered in Web Portals
  - Administrative tool for the survey coordinator (including access management)
  - Questionnaires designed according to information sources and listed according to deadlines and completion status
- TDE/Smart phone/iPad options
  - For small businesses or small questionnaires
  - For zero reporting
  - Mixed-mode designs

## Improving register-based statistics

- Quality assessment and documentation of administrative registers:
  - technical checks
  - **accuracy**
  - completeness
  - **integrability**
  - time-related dimensions
  - ... see BLUE-ETS reports WP4
- Meta-data questionnaires to collect data on available information

## Blending designed and organic data

- Where can the two supplement each other: quality standards of designed and register data and speed of organic data ...
- Model-based statistics
- Data integration theories

# Globalization

- Conceptual issue:
  - modernizing economic indicators
- Getting data from businesses:
  - unit definitions
  - contacting businesses

## The NSI position

- Position in the information market:
  - “slow” or/and “fast” statistics?  
accurate or/and timely statistics?
  - NSIs have access to and can combine many, many data sources: new statistics
  - National Data Archive? National Data Service Center?
- Challenges are too big for individual NSIs:
  - collaborate on international level
  - collaborate with universities
- We are at the beginning of a new era in statistics production: The era of data integration (Zhang)



## Discussion: 4 challenges in modernization

1. Modernizing current business survey methodology
  2. Quality of register-based statistics
  3. Blending designed and organic data
  4. Producing statistics in a globalized world
- **Other challenges?**
  - **Priorities?**
  - **Ways to go?**