Sector Paper on Water Transport

Johan Åhman & Thomas Olsson
25th Voorburg Group Meeting
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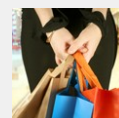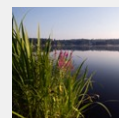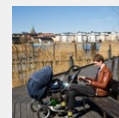
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International progress

A survey on Water Transport Services was sent out to 22 countries:

- 18 countries produce turnover statistics

- 14 countries produce SPPI

Classification issues

- Industry classifications used
  - ISIC Rev. 4 (International)
  - NACE Rev.2 (EU)
  - ANZSIC06 (Australia/New Zealand)
  - 2007 NAICS (North America)
  - SSIC 2010 (Singapore)
- Main product classifications used
  - CPA 2008
  - Australian Input-Output Product Classification
  - US PPI commodity codes

Turnover Statistics

- All countries collect turnover at some level
- 13 out of 18 countries provide more detailed information
- Structural statistics annually
- Short-term statistics monthly, bimonthly or quarterly

Turnover Statistics

- The level of detail varies from country to country
  - 3-digit level (UK)
  - 5/6-digit level (USA, Norway)
  - Some countries have more detailed information at commodity level (Spain)

Turnover Collection

- Most countries use administrative sources in combination with surveys

Data source/-s	No. of countries
Survey/adminstrative data	7
Survey	6
Census/administrative data	2
Census/survey	1
Census	1
Administrative data	1

Other sources: data from customs, ports etc.

Turnover Collection, Sweden

- **Structural turnover (SBS)**
  - Largest enterprises: surveyed annually independent of administrative data for total turnover and turnover by product (≈5/1200, 45-50% of total turnover within NACE 50)

  - Remaining enterprises: Administrative data (tax data) annually for total turnover. Complementary survey to obtain turnover by product (≈60/1200, 35-40% of total turnover within NACE 50)

Turnover Collection, Sweden

- **Short-term turnover**
  - Monthly survey to the largest enterprises

  - Quarterly survey to smaller enterprises (administrative VAT data used for imputation and checking)

Problems

- Confidentiality issues (dominant enterprises)

- Response burden

- Low response rates

- User demands, costs, sample size etc.
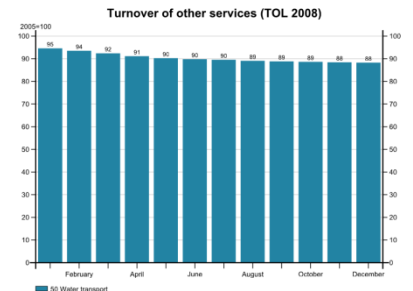
Publication

- All countries but one publish (confidentiality reasons) the results in some way
  - Websites and databases
  - Bulletins and yearbooks
  - Other publications

The **Daily**
Statistics Canada

STATLINE
Centraal Bureau voor de Statistiek

2008–09   8155.0

AUSTRALIAN INDUSTRY

EMBARGO: 11.30AM (CANBERRA TIME) FRI 28 MAY 2010

Turnover of other services (TOL 2008)

Main issues with turnover measurement

- Difference in shares of total GDP

- Ownership of enterprises

- Special tax rules for water transport enterprises

- Complex enterprises and outsourcing

Price Statistics

Pricing methods:

- Contract Pricing
  - Used for liner shipping

- Model pricing
  - Used for tramp shipping

- Unit Value
  - Used by Poland

Price Collection

- Frequency:

  - Quarterly,

  - Monthly

  - Weekly

- Sources:

  - Own data collection

  - Government agencies

  - Internet

  - Shipbrokers

Quality adjustment

- Overlapping

- Comparable adjustment

- Quantity adjustment

- Expert judgement

Sampling

- **Sampling methods:**
  - PPS
  - Cut-off
  - "Purposive"
  - All companies (Singapore)
- **Sample sizes**
  - Largest: 600 quotations (Germany)
  - Smallest: 14 quotations (Poland)
  - Many countries between 30 and 70 quotations

Weights

- Annual statistical surveys:

  - Structural Business Survey

  - Annual Sectorial Survey

  - Annual Survey of Services for Transport

- Weight data collect in the SPPI survey

- National Account data

- Combining price data and transport statistics

Main issues with price measurement

- Capture the tramp market

- Bundling

- Sampling frames and weighting data

Thank you for listening!