Sector Paper on Water Transport

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Contents

• International progress
• Classification issues
• Turnover statistics
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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

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<th>Data source/-s</th>
<th>No. of countries</th>
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<td>Administrative data</td>
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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
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!