An Integrated Micro-data Approach to Trade & Business Statistics

Challenges & Opportunities

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Why does this matter...?
Importance of MNEs in Ireland

Number of Enterprises

2010

98%

2%

Number of Persons Engaged

22%

78%

Gross Value Added

44%

56%
Importance of Top 50 enterprises in Ireland

2010

Turnover
- 31% (Yellow)
- 69% (Blue)

Gross Value Added
- 40% (Yellow)
- 60% (Blue)

Gross Operating Surplus
- 38% (Yellow)
- 62% (Blue)
Imports, Exports & Trade Balance (2012) - IRL
Foreign & Irish owned MNEs (2010) - IRL

Foreign MNEs in Ireland
256,800 employed
€162.4bn turnover

Irish MNEs abroad
248,900 employed
€71.9bn turnover
Overview

1. Purpose

2. Understanding inter-connections

3. Challenges & Opportunities

4. Conclusion
Primary aim

• Improve understanding of trade by enterprise characteristics (TEC)
  – Goods & Services
  – Life cycle analyses
  – Innovation & trade
  – Intra-Group trading
  – Nationality of ownership

• Improve National Accounts & BoP
  • Large Cases (reconcile Trade & Nat Acc/BoP)
  • Supply & Use Tables
  • Deflators
Section 1 – Purpose

Secondary aim

• Reduce costs
• Reduce Burden (aggregate and individual)
• Increase information
• Exploit existing survey & administrative data
• Add value to existing datasets
Let’s look at an example…
Age profile of enterprises in Ireland
Section 2 – Understanding interconnections

Interconnections

Large Cases Unit (National Accounts)

- Balance of Payments
- Merchantised Trade
- Structural Business Statistics
- Business Register
- Producer Prices & Deflators
- Short-term Business Statistics
- Enterprise Profiling
- Innovation CIS/BERD ICT FATS (outward) Outsourcing
Interconnections (Trade & BoP)

- Balance of Payments
- Merchantised Trade
- Structural Business Statistics
- Producer Prices & Deflators
- Business Register
- Short-term Business Statistics
- Innovation CIS/BERD
- ICT
- FATS (outward)
- Outsourcing

Large Cases Unit (National Accounts)
Section 2 – Understanding interconnections

Interconnections (Trade & BoP)

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United Nations Conference on Trade and Development (UNCTAD)
Interconnections (Trade & Prices)

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Large Cases Unit (National Accounts)
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Interconnections (Trade & Prices)

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- Merchantised Trade

Large Cases Unit (National Accounts)
Section 2 – Understanding interconnections

Interconnections (TEC)

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UNITED NATIONS
UNCTAD
Challenges

- Multiple (non unique) identification units
- Valuation (price) not properly understood
- Mis-aligned sample design
- Communication (the burden issue)
Opportunities

- Improve consistency across datasets
- Improve data infrastructure
- Improve design to maximise output & minimise burden
- Supplement stock data with flow data
- Build much richer data => information
Data Infrastructure

- Location/Building
- Business
- Persons
Conclusion

• Business Registers are the lynch pin
• Partial matching = partial answers
• Importance of data infrastructure not well understood
• Implementation is complex
Conclusion
Some References:

