

# An Integrated Micro-data Approach to Trade & Business Statistics

## Challenges & Opportunities

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Why does this matter...?

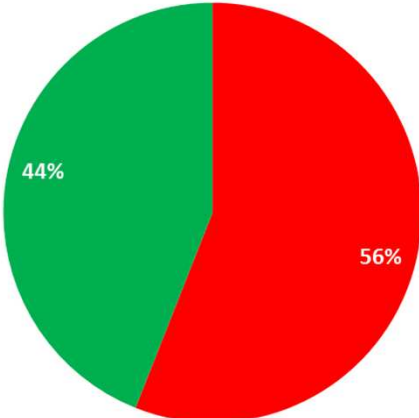
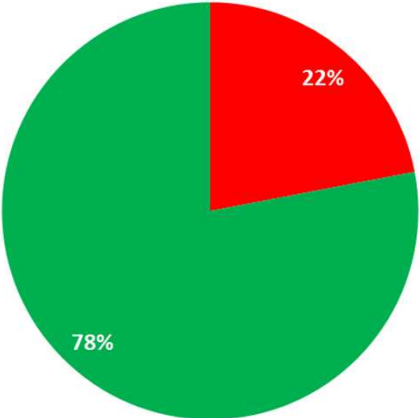
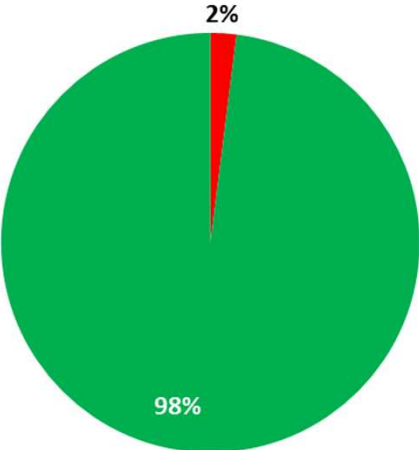
# Importance of MNEs in Ireland

Number of Enterprises

Number of Persons Engaged

Gross Value Added

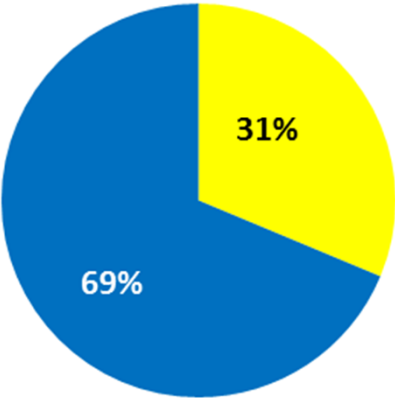
2010



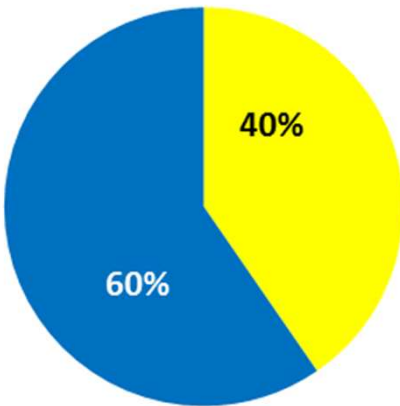
# Importance of Top 50 enterprises in Ireland

2010

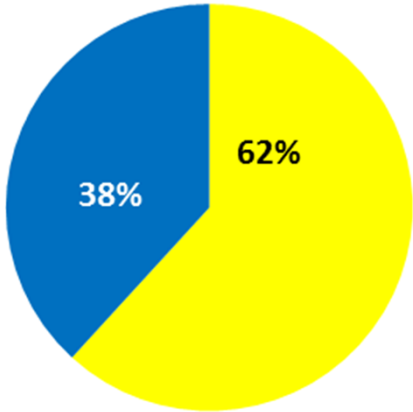
Turnover



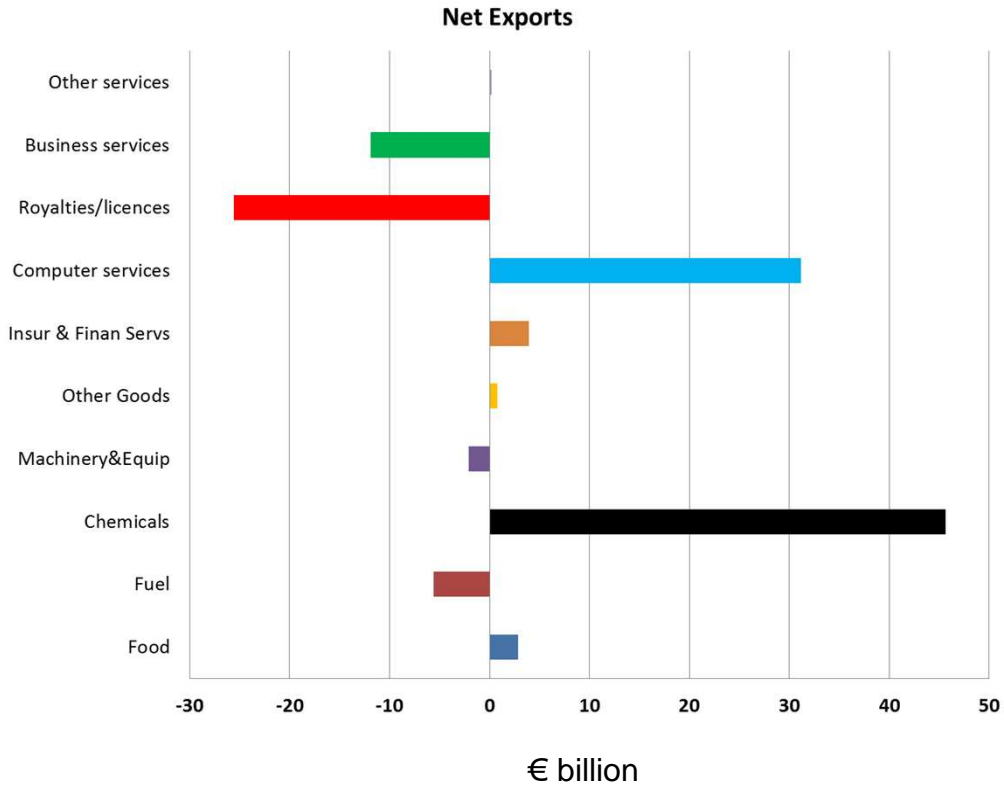
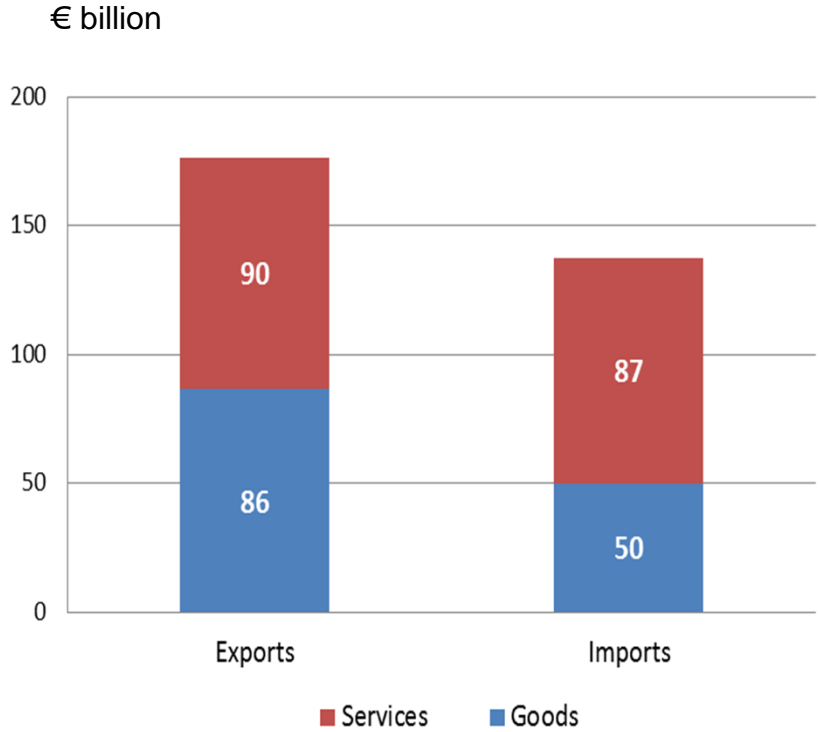
Gross Value Added



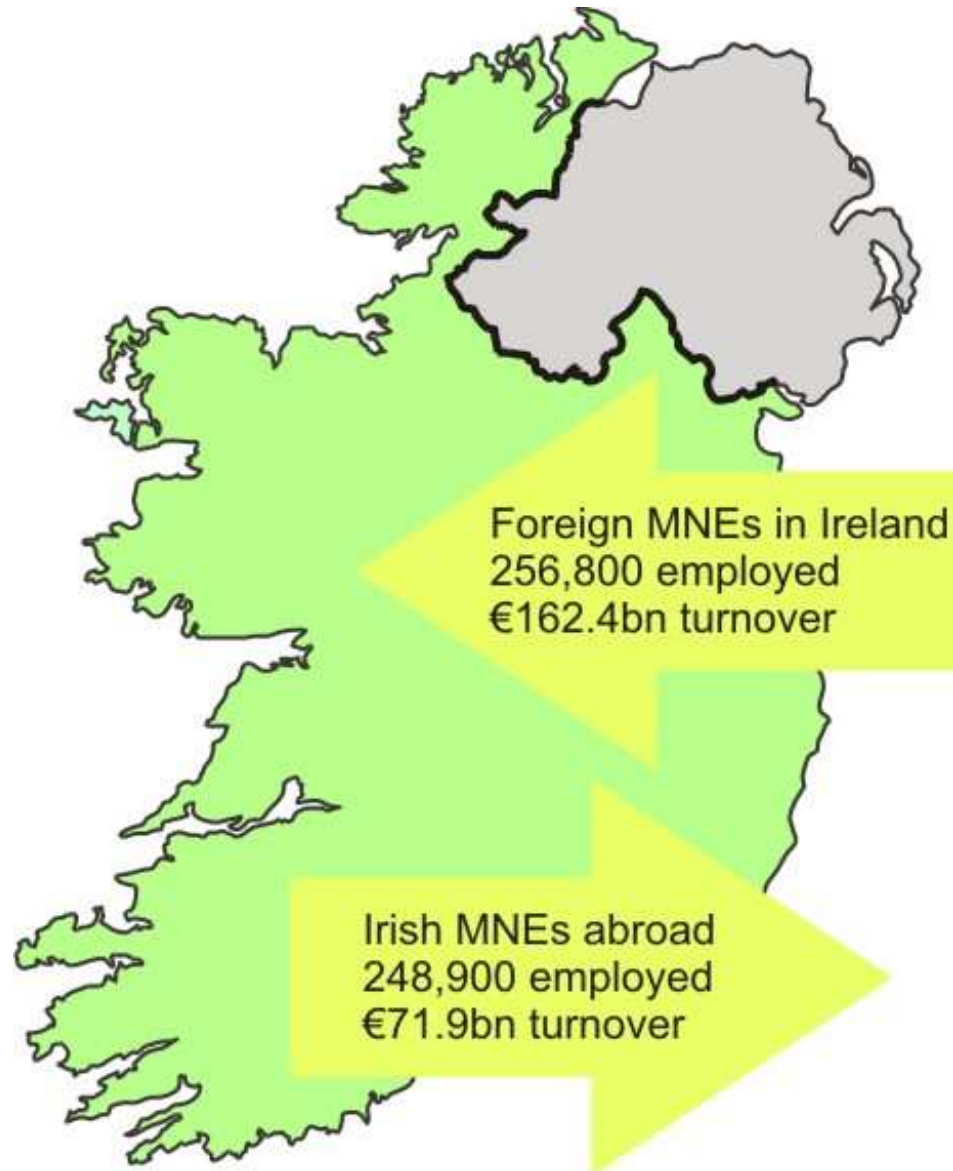
Gross Operating Surplus



# Imports, Exports & Trade Balance (2012) - IRL



# Foreign & Irish owned MNEs (2010) - IRL



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## 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*



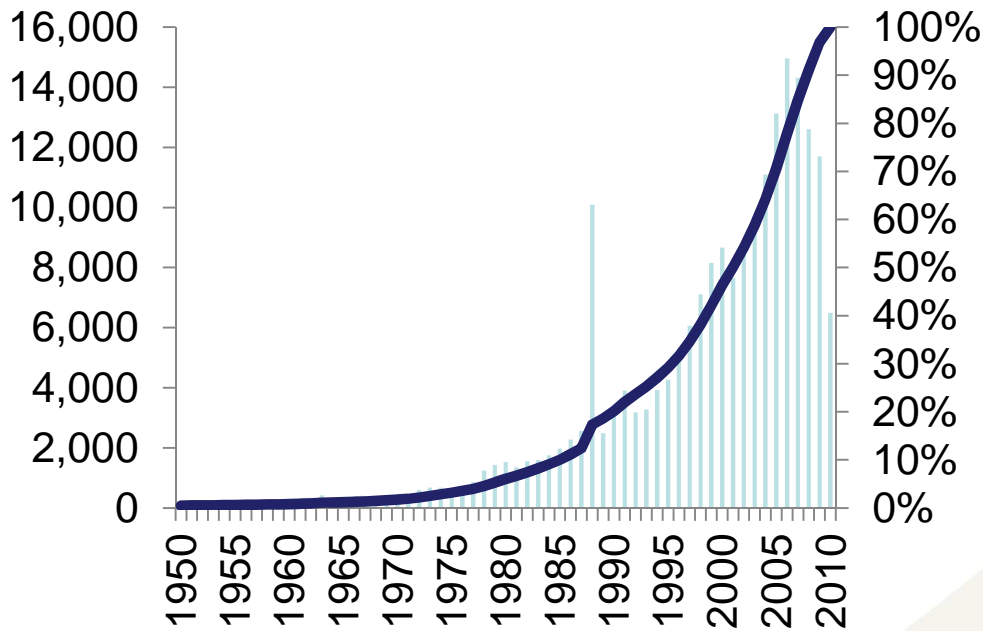
## Secondary aim

- Reduce costs
- Reduce Burden (aggregate and individual)
- Increase information
- Exploit existing survey & administrative data
- Add value to existing datasets

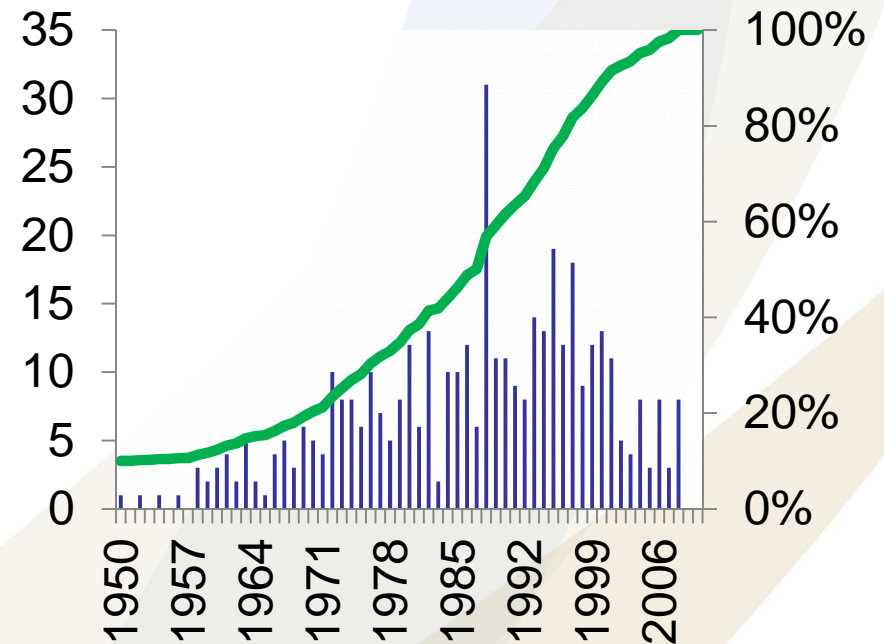
# Let's look at an example...

## Age profile of enterprises in Ireland

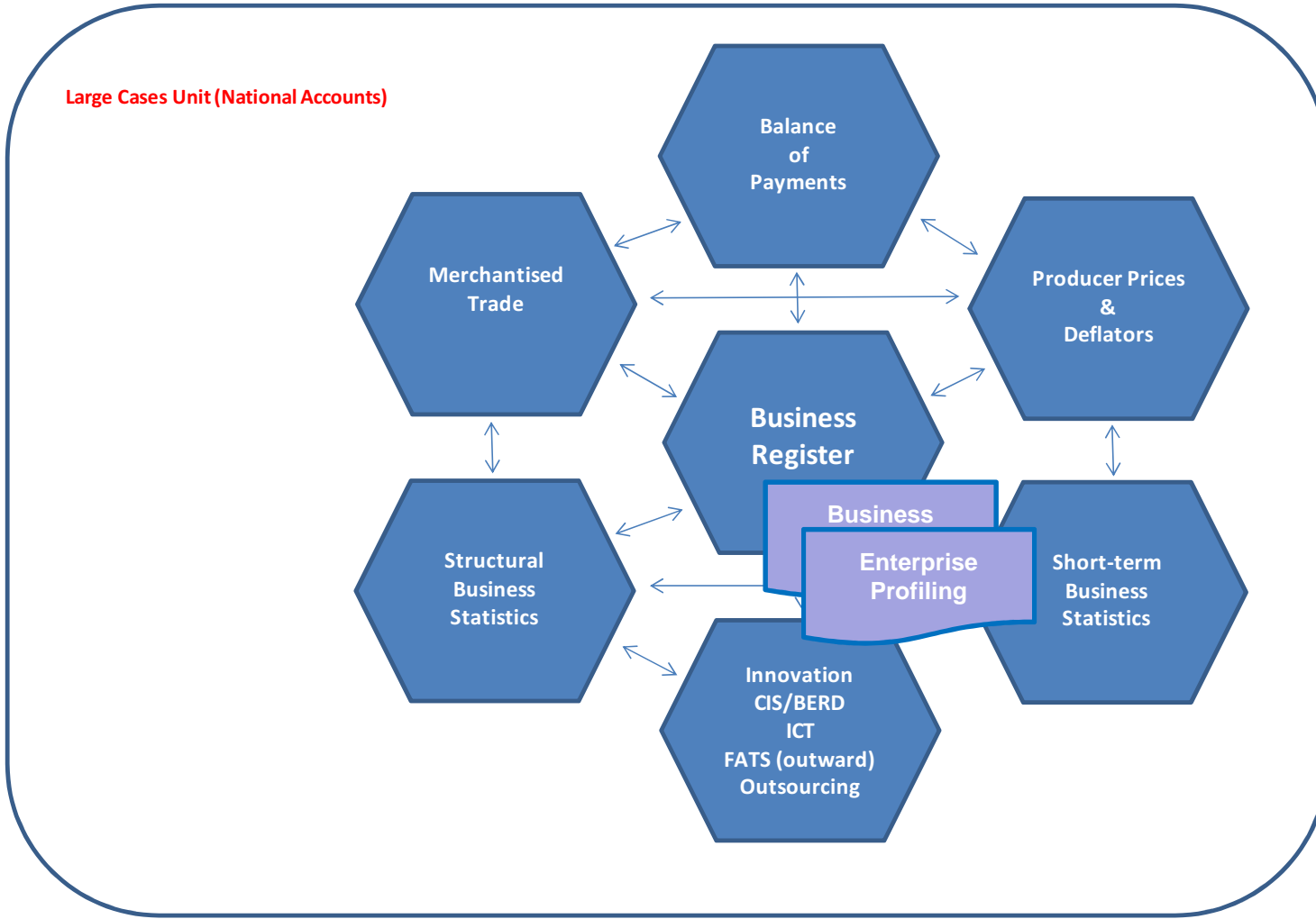
### SMEs



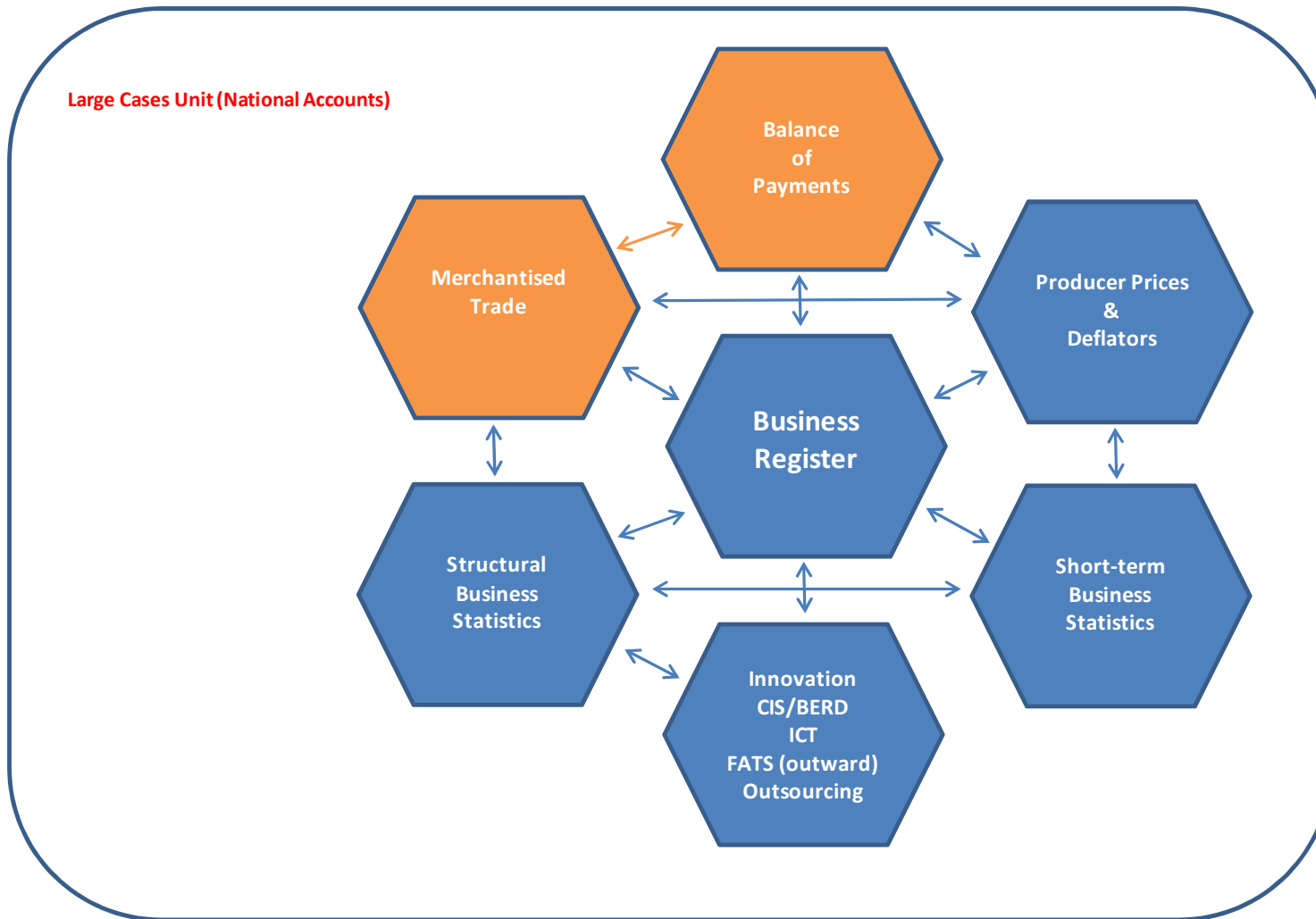
### Large



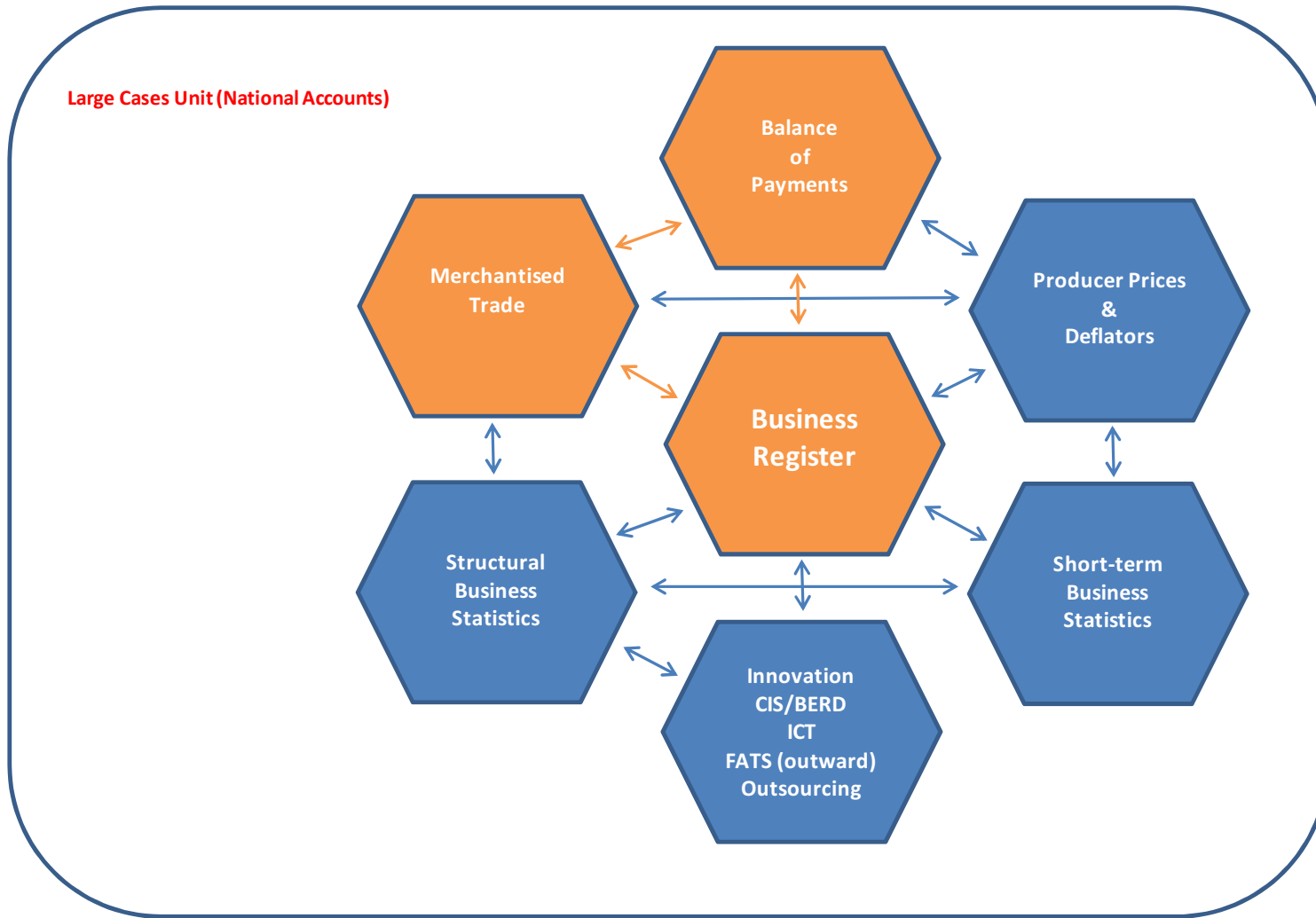
# Interconnections



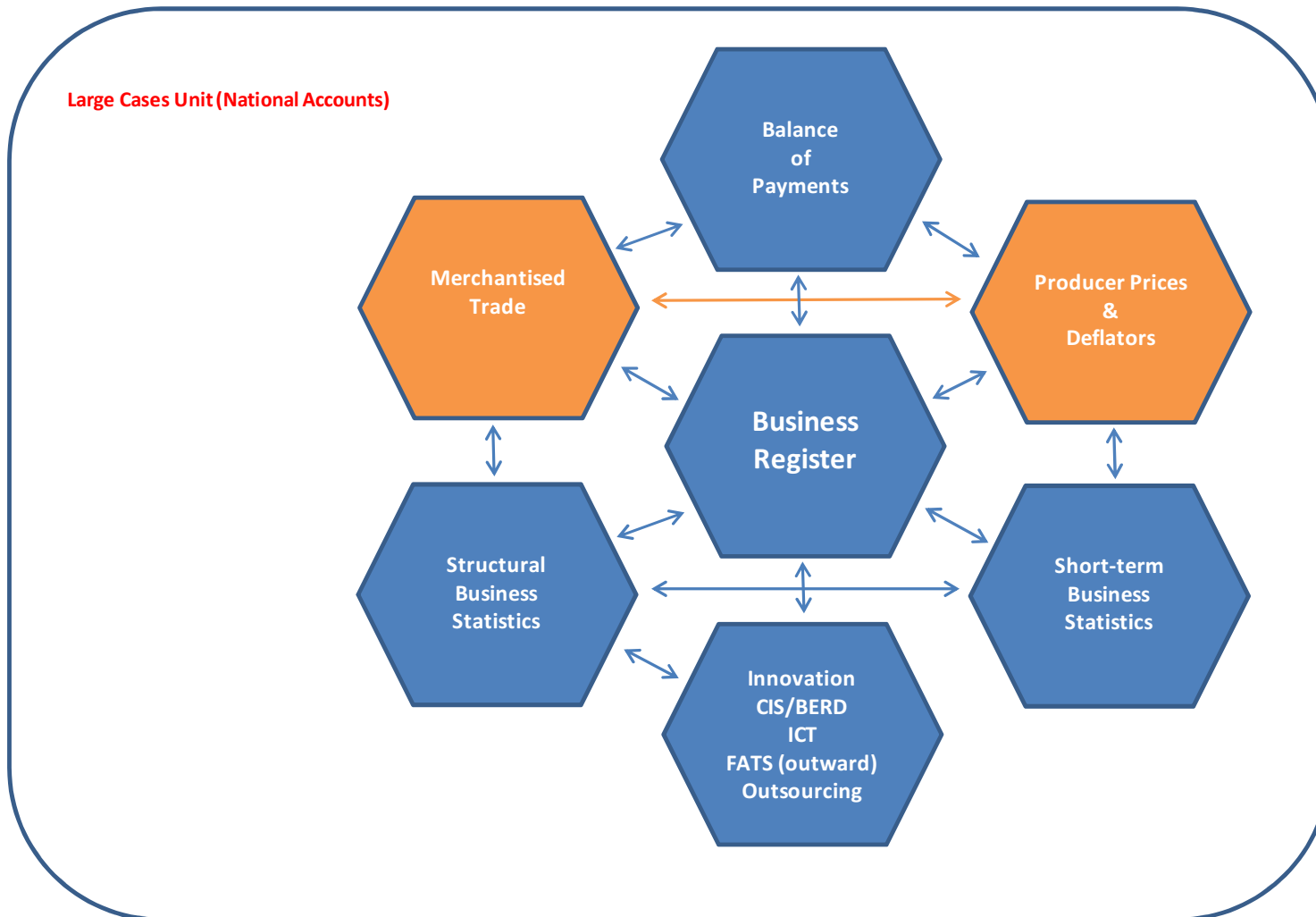
## Interconnections (Trade & BoP)



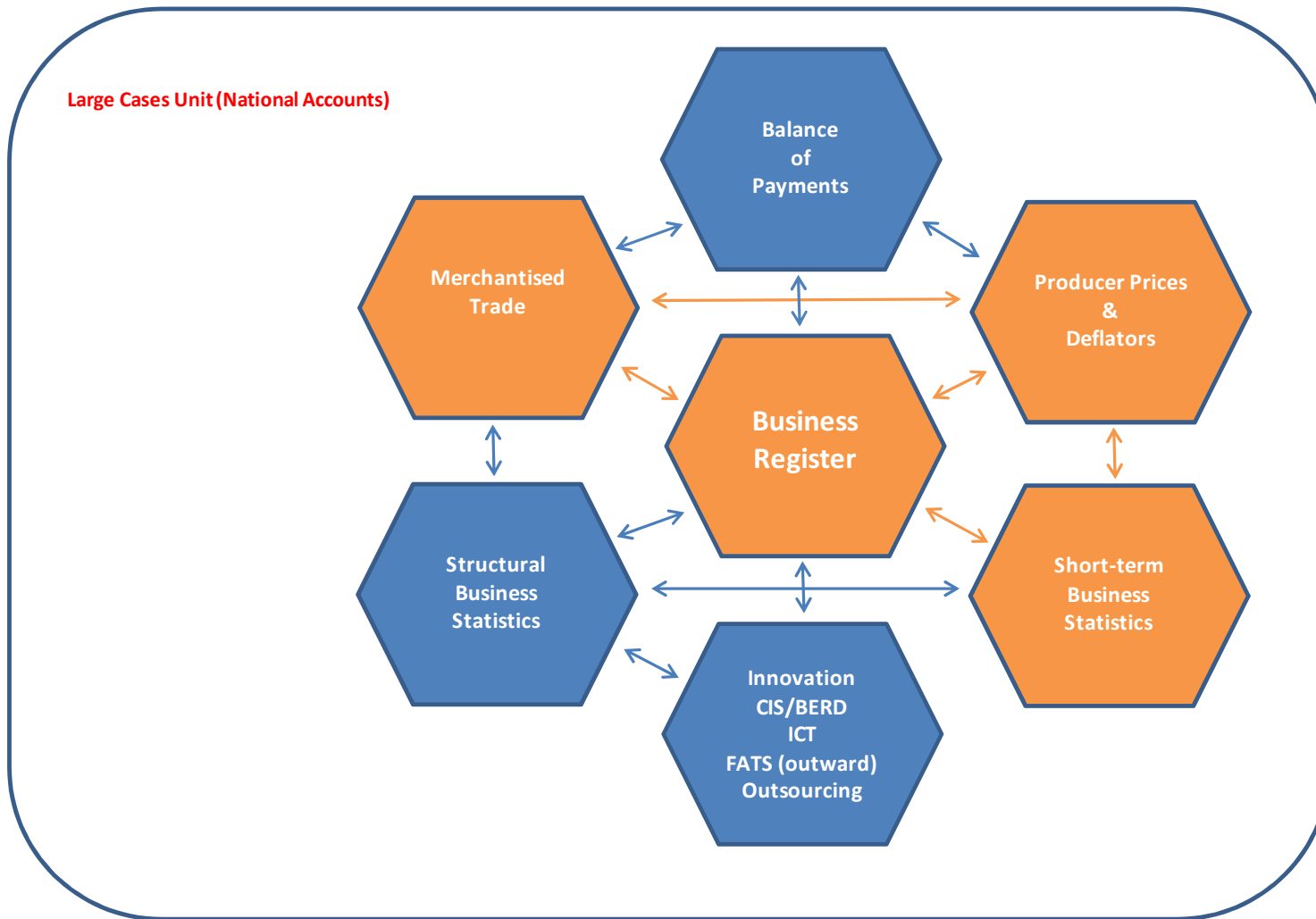
## Interconnections (Trade & BoP)



## Interconnections (Trade & Prices)

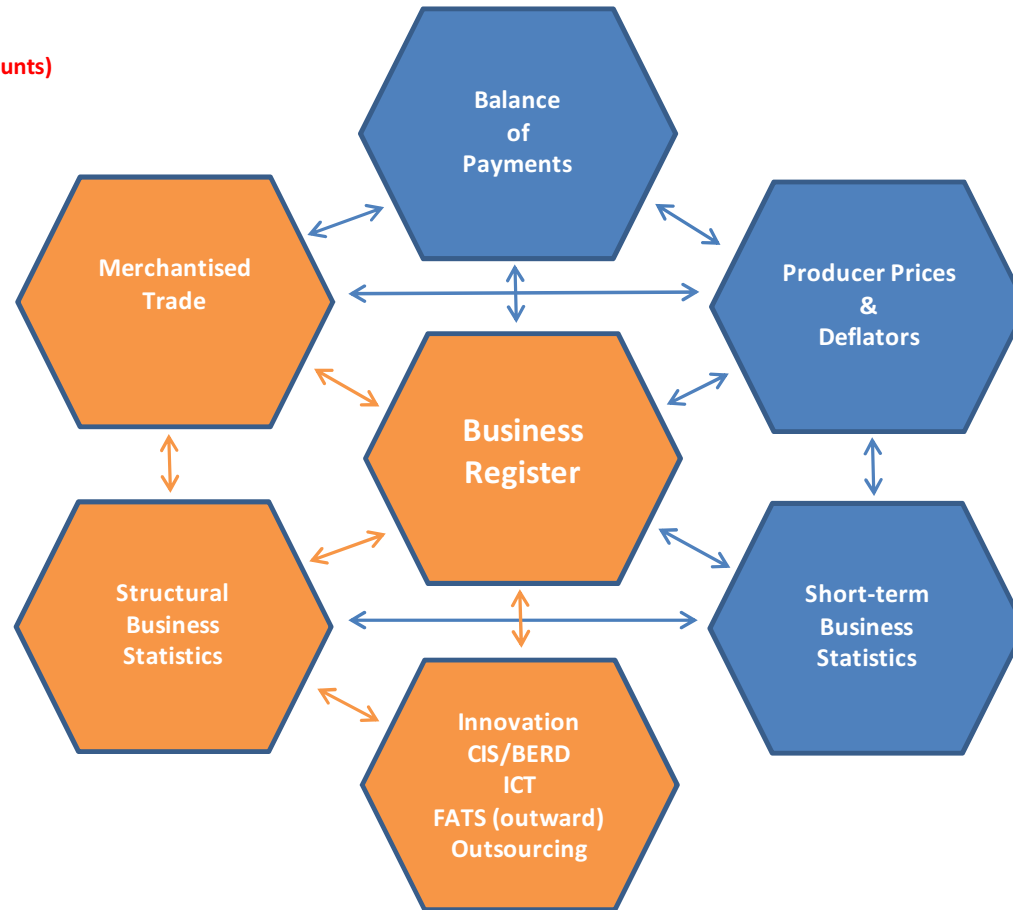


## Interconnections (Trade & Prices)



## Interconnections (TEC)

Large Cases Unit (National Accounts)





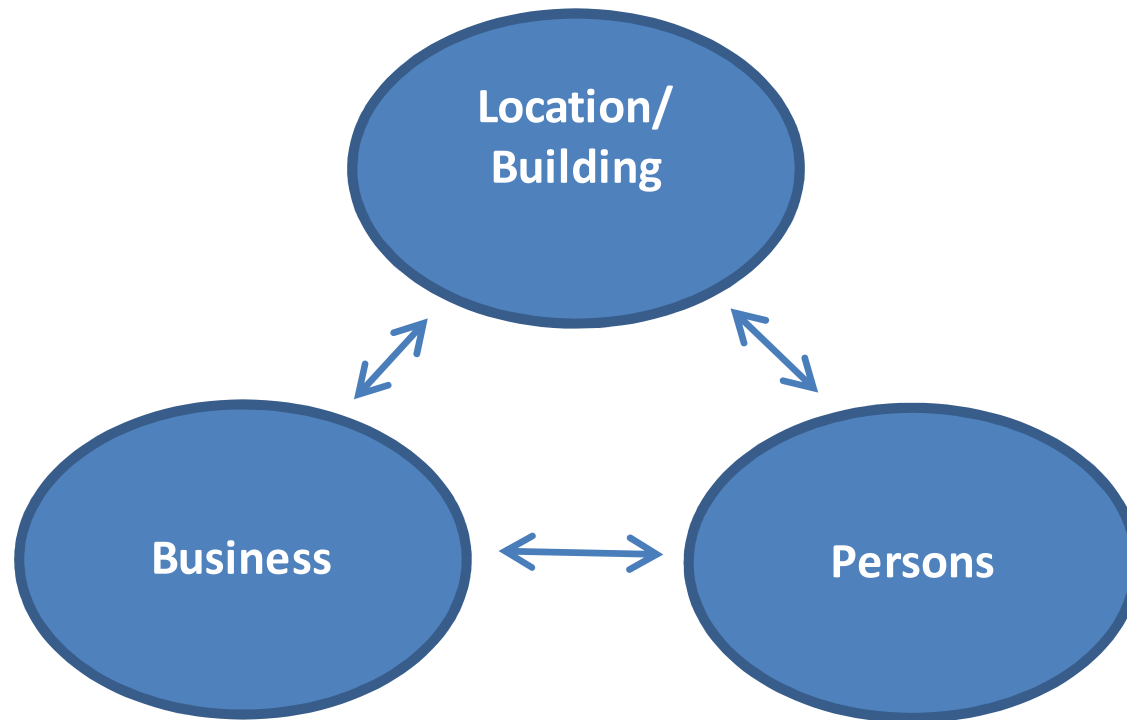
## Challenges

- 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

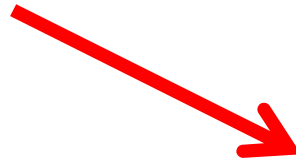
## Data Infrastructure



## Conclusion

- Business Registers are the lynch pin
- Partial matching = partial answers
- Importance of data infrastructure not well understood
- Implementation is complex

# Conclusion



## Some References:

- MacFeely, S. & J. Dunne (2014), 'Joining up Public Service Information – The rationale for a National Data Infrastructure', *Administration*, Vol. 61, No. 4, pp. 93 – 107.
- MacFeely, S. & C. O'Brien (2008), 'Family Business in the Irish Services Sector – Profile & Productivity', *Journal of the Social and Statistical Inquiry Society of Ireland*, Vol. XXXVIII, pp. 1 - 37

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