Internationalisation Monitor

Spearhead International Economic Relations (SIER program)

Martin Luppes
Conceptual framework SIER program

**Globalization ‘backbone’**

**Investments:**
- Value (sector, geo, size-class)
- Foreign Controlled (Y/N)
- Foreign Affiliates (Y/N)

**Trade:**
- Value (sector, geo, size-class)
- Importer (Y/N)
- Exporter (Y/N)

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**Employment & labor market**
Employees, wages, labor conditions

**International trade in goods & services**
Values; SITC; geographical destinations

**(Macro-)Economic effects**
(Labor-)productivity; value added; economic growth

**R&D and innovation**
Expenditure; patents; trade in R&D; Intracompany services

**International Sourcing; Global Value Chains; International Trade & business characteristics**
*MEETS projects Eurostat*

**Characteristics (potential) exporters**
*Ministry Economic Affairs, Agriculture & Innovation*

**Foreign Investments & job growth**
*Ministry Economic Affairs, Agriculture & Innovation*
Research model

• Concepts
  • Ownership, trade & investments activity (indep)
  • Productivity (labour & TFP), employment, environment, technology (dep)

• Theoretical relations (effects)
  • Economic effects (productivity, growth)
  • Social effects (job creation & destruction, income)

• Analytical models: multilevel regressions
• Statistical constraints: reweighing procedures, time lags of matched microdata
Integrating economical, functional and social statistics

Enterprise \(1 : M\) Firm \(1 : N\) Job \(P : 1\) Person

- Business Register
- Statistics of Finances of Enterprises
- Ownership (UCI)/FATS
- International Trade
- Fiscal Data
- Structural Business Surveys and short term indicators
- Investments
- R&D
- Job register
- Fiscal Data
- Population register
- Surveys Persons and Households
Core publications SIER program

- Kerncijfers internationalisering (2007)
- InternationaliseringsMonitor (2008)
- Internationalisation Monitor 2009
- Internationalisation Monitor 2010
- www.cbs.nl Globalisation
Theme IM 2010

• *International Trade in the Economic Crisis*
  • Which firms are responsible for Dutch trade?
  • How do they differ from non-traders?
  • How is trade linked to economic performance, employment and R&D?
  • What factors stimulate drives firms to engage in trade?
  • …….
Microdata used

Most of research based on linked microdata

- International Trade & Business Register (trade & demography)
- Business Register and Social Statistical Database (jobs)
- International Trade & Transport (trade flows, origins & destinations)
Content IM 2010

- Part A: Trends in internationalization
  - Chapters on key developments in international trade (goods and services), direct investment, R&D, transport

- Part B: Analytical papers
  - Relation between international trade in goods and in services
  - Economic characteristics (turnover, labour productivity) of int’l traders and non-traders
  - Role of international traders in R&D and innovation
  - Working for international traders: trade and employment, wages, education, and labour force composition

- Part C: Annotated tables
  - New tables and updated time series
Example 1: Importance of exporting firms in the Dutch economy

- R&D expenditures
- Innovation expenditures
- Net sales
- Value added
- Number of employees
- Number of firms

aandeel exporterende bedrijven in totaal
Example 2: Productivity and the propensity to export: industry differences

![Graph showing the relationship between labor productivity and the probability of being an exporter across different industries. The x-axis represents labor productivity (x 1,000 euro), and the y-axis represents the probability of being an exporter. The graph includes lines for Manufacturing, Wholesale & Retail, Transport & Communication, Business Services, Energy, Agriculture, Fishing, Mining, Construction, Wholesale & Retail, Hotels & Restaurants, and Other Services. Each line represents a different industry with varying slopes and probabilities at different productivity levels.]
Internationalisation Monitor 2011

- Theme: globalization and employment
- ToC:
  - Trends of trade, fdi & employment (4 chapters)
  - Indepth analysis on employment effects of ownership, trade and outsourcing (4 chapters)
  - Annotated tables (24)
  - Publication foreseen end October 2011
...Thank for your attention

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