

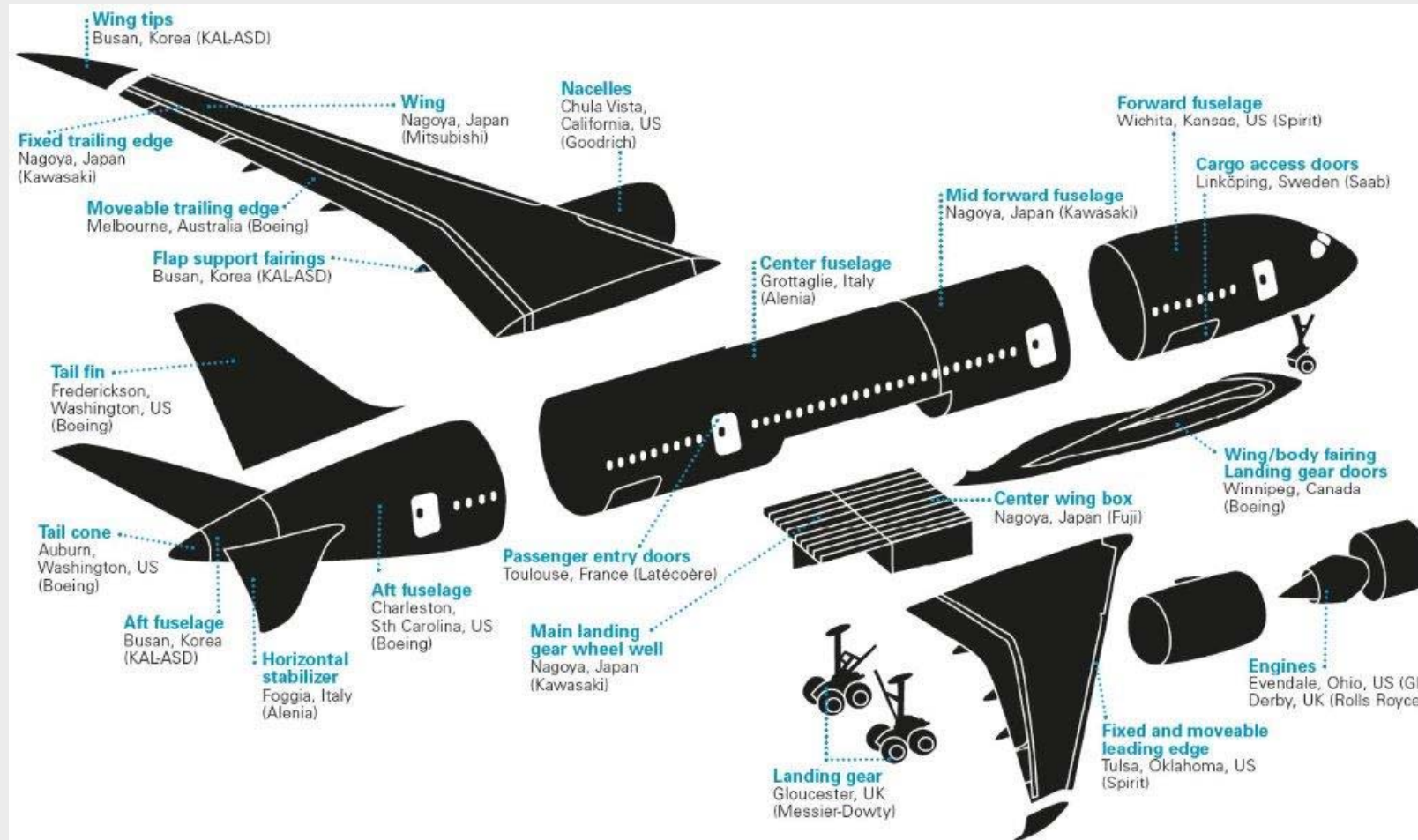
Global Value Chains in Official Statistics

Martin Luppés

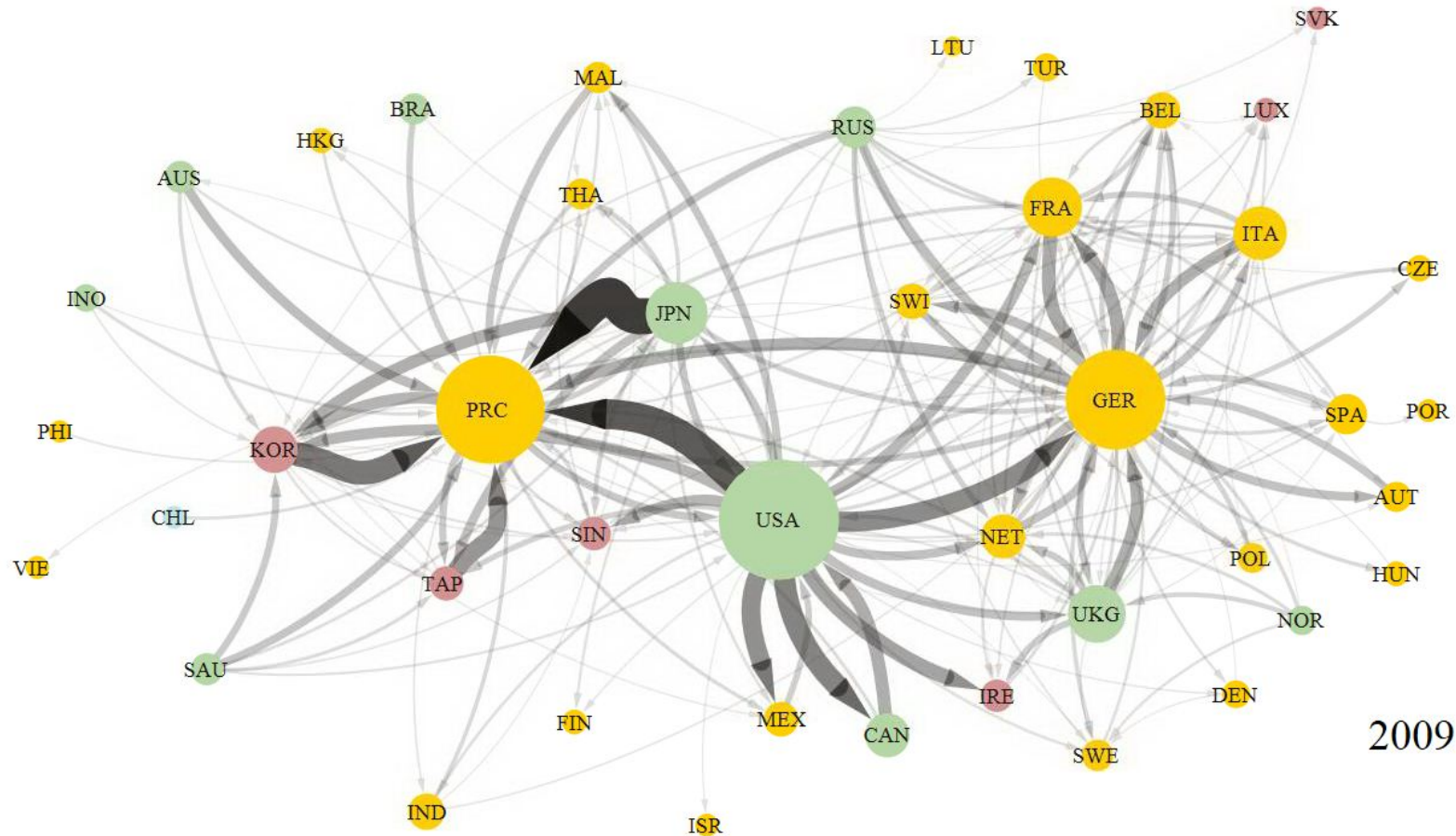


Statistics
Netherlands

Value chains, made in the world....

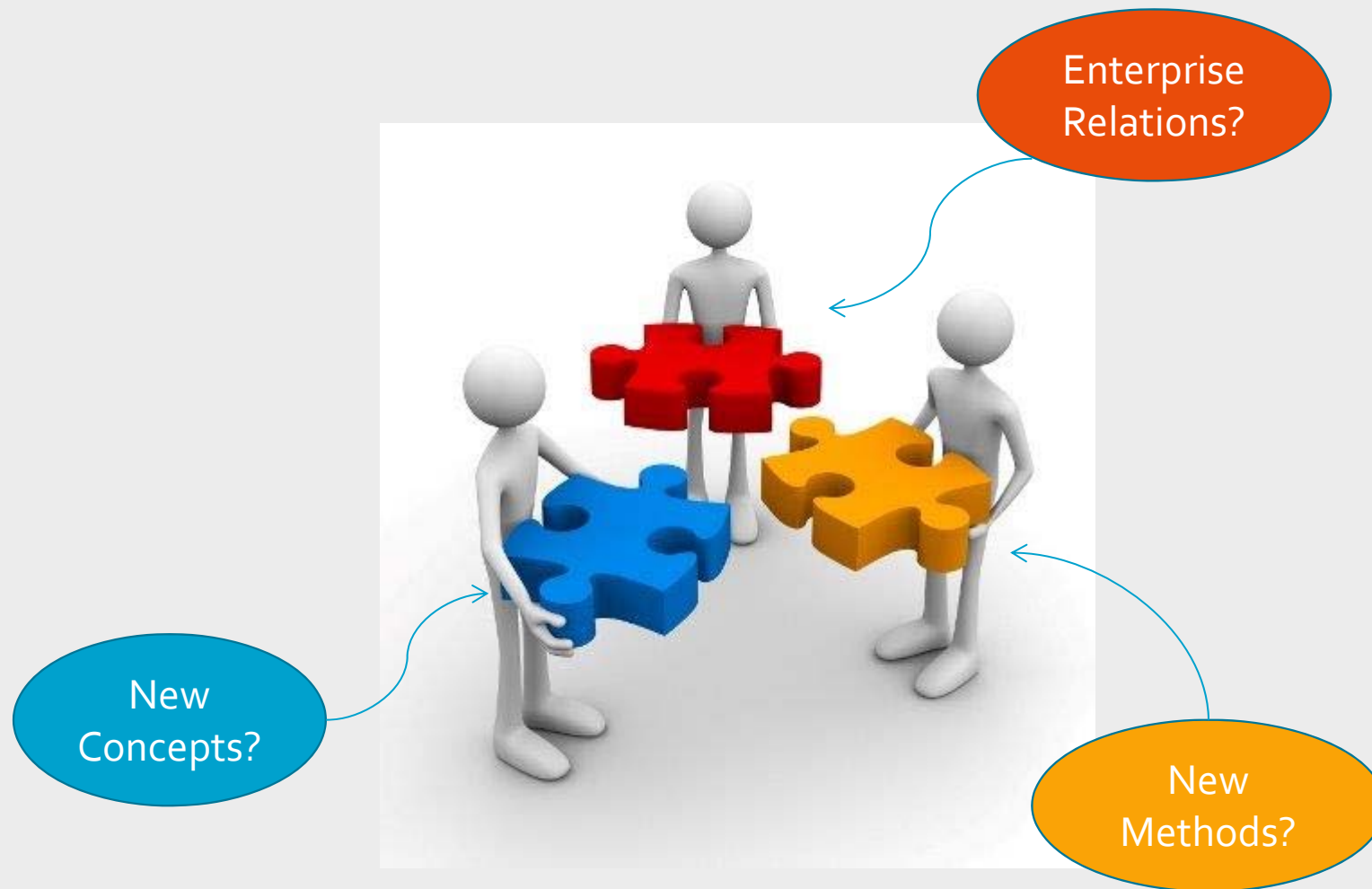


Value chains are complex....



Source OECD

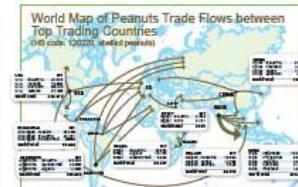
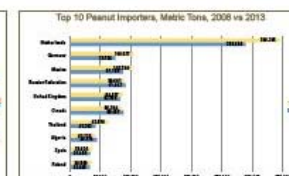
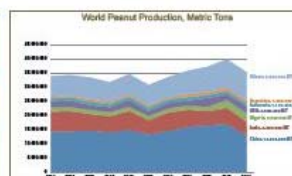
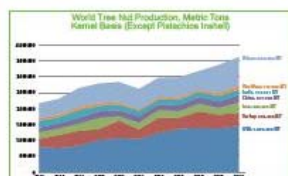
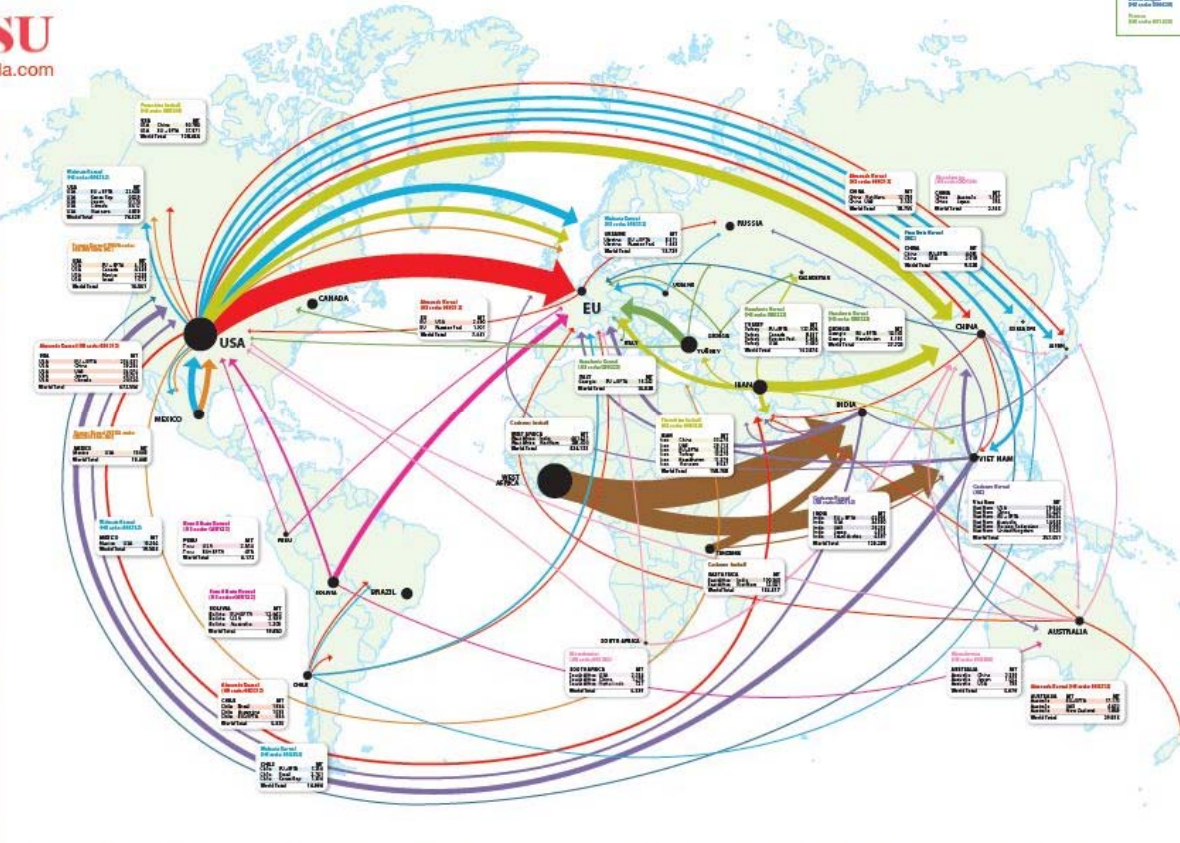
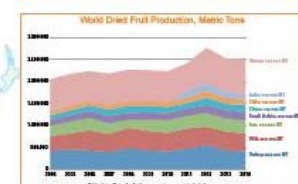
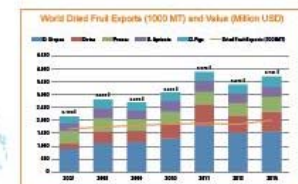
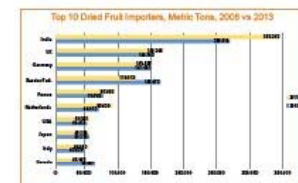
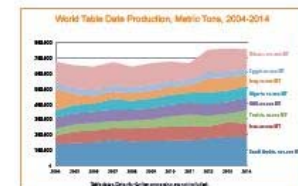
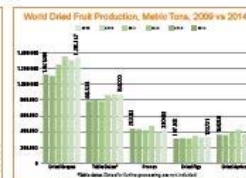
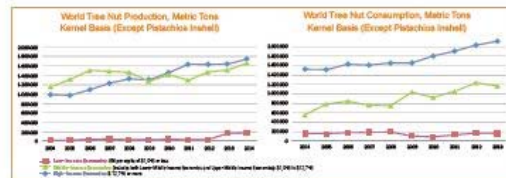
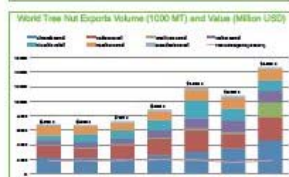
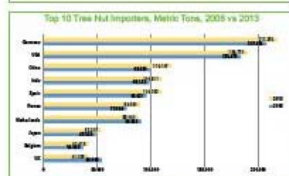
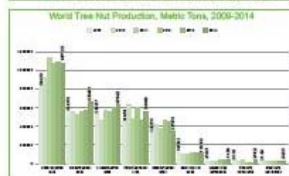
Value chains and statistics... a puzzle?



2014/2015 World Nuts & Dried Fruits Trade Map



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Measurement challenges

Official statistical production systems mainly designed to measure domestic, not transnational activities

The dynamics of globalisation requires introduction of new concepts, e.g. Global Value Chains and business functions

Globalisation increases firm heterogeneity and needs for firm level analysis

Measuring enterprise relations is a new focus for official statistics

Changed framework conditions focusing on diminishing respondent burden on enterprises



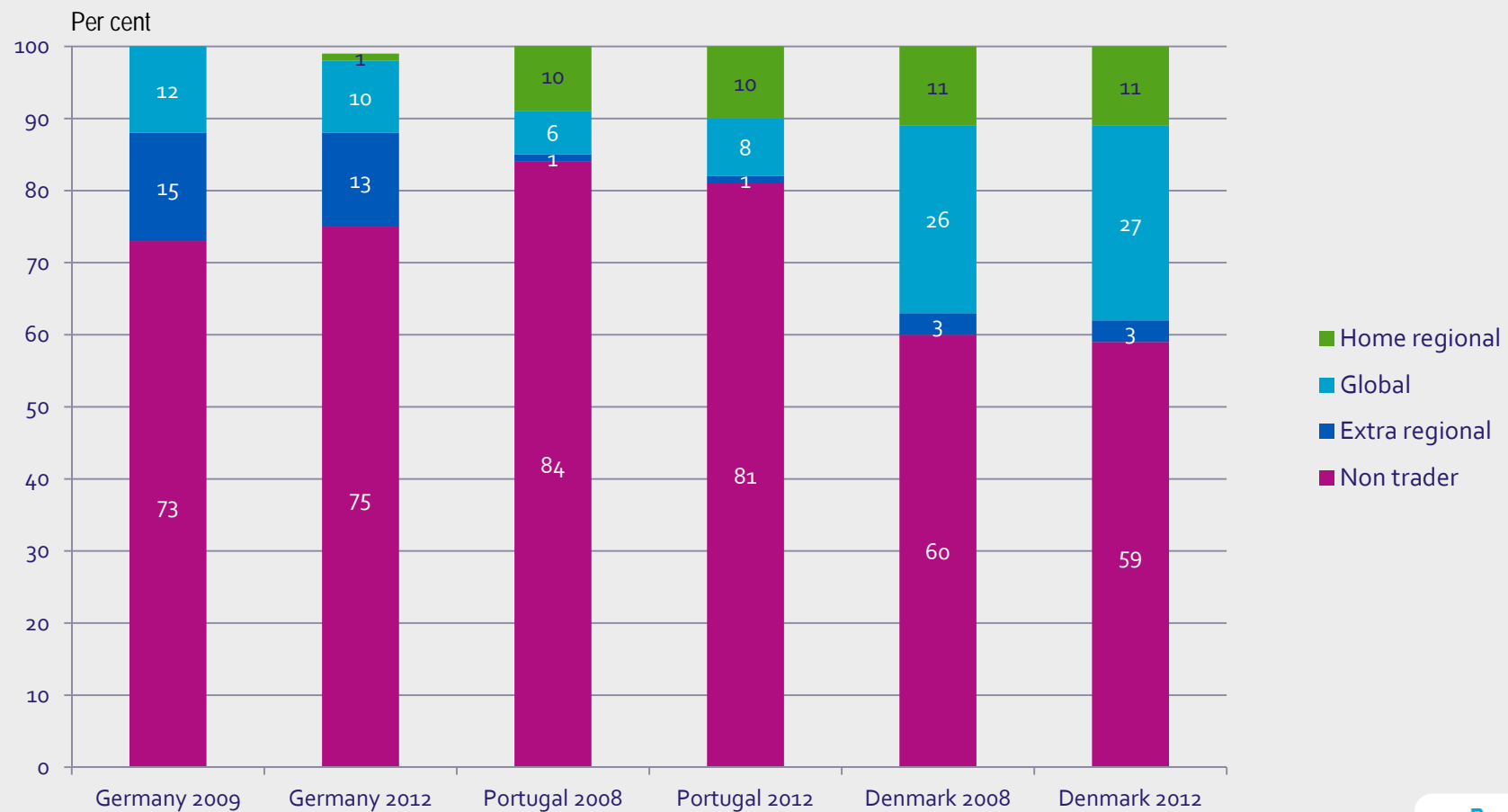
Recent activities....

- International orientation of an enterprise:
 - *Does it trade?*
 - *Is it domestic or foreign controlled?*
- Business Functions
 - *Which parts of an enterprise are outsourced and/or offshored?*
- Micro Data Linking (EU level):
 - *TEC/STEC*
 - *MDL 2014/2015*

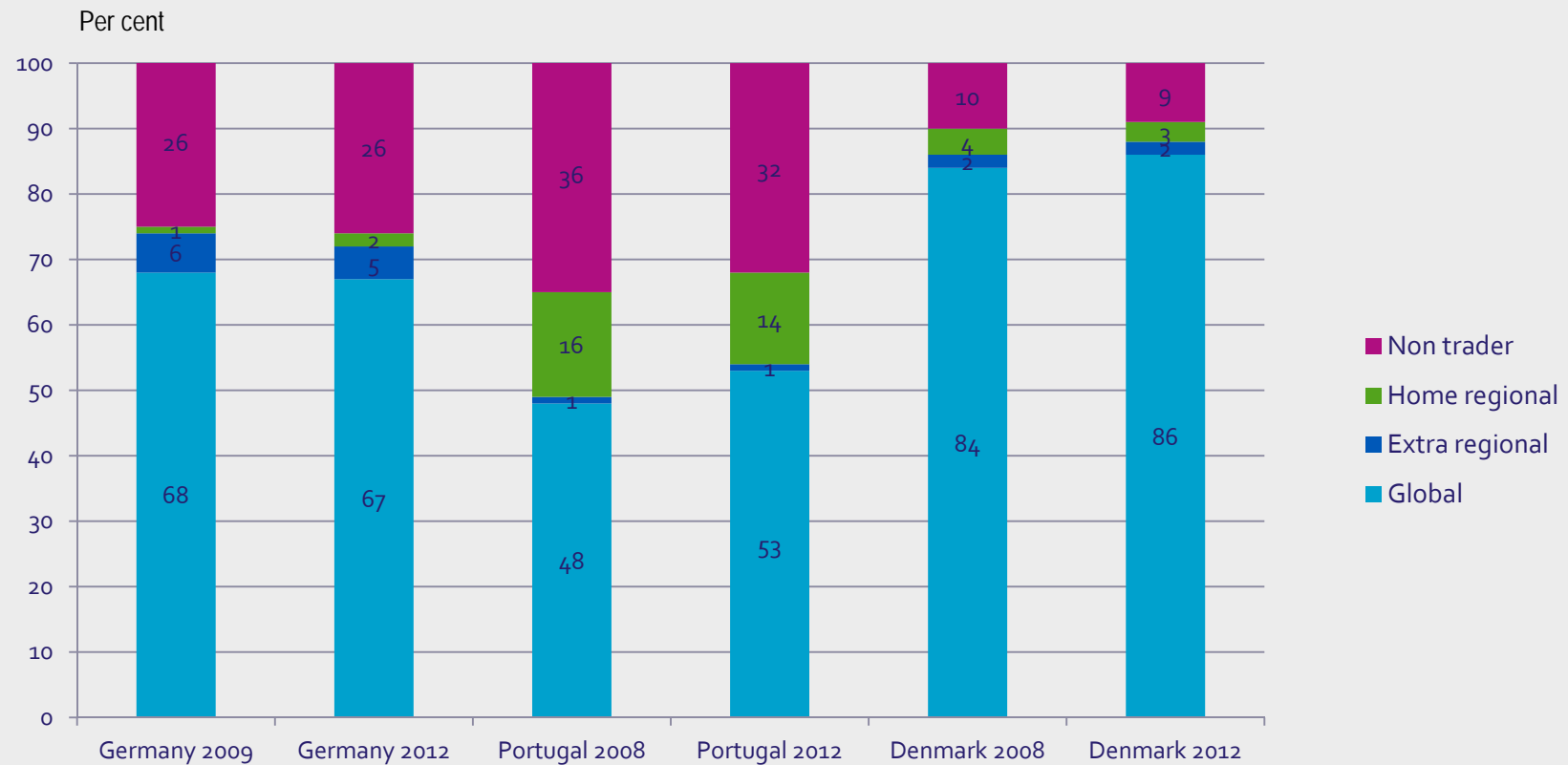
International orientation....

Geography >	Global Trader (intra- and extra EUtrade)			Extra-regional trader (extra-EU trade only)			Home-regional trader (intra-EU trade only)			Non-trader	Total
Ownership	<i>Two way trader</i>	<i>Exporter only</i>	<i>Importer only</i>	<i>Two way trader</i>	<i>Exporter only</i>	<i>Importer only</i>	<i>Two way trader</i>	<i>Exporter only</i>	<i>Importer only</i>	-	
Domestically controlled without foreign affiliates											
Domestically controlled with foreign affiliates											
Foreign controlled with/without foreign affiliates											
Total											

Enterprises (Manufacturing).....



Employment Manufacturing (FTE).....



Launching new dedicated surveys

In 2007 first large scale survey on international sourcing carried out by 14 European countries

In 2012 new survey in 14 European countries on international organisation and sourcing of business functions carried out

The survey introduced new concepts such as business functions, international sourcing and also tested the possibilities of capturing other new ways of organising production, e.g. factoryless manufacturers



Business functions, the black box of an enterprise.....

Core business function

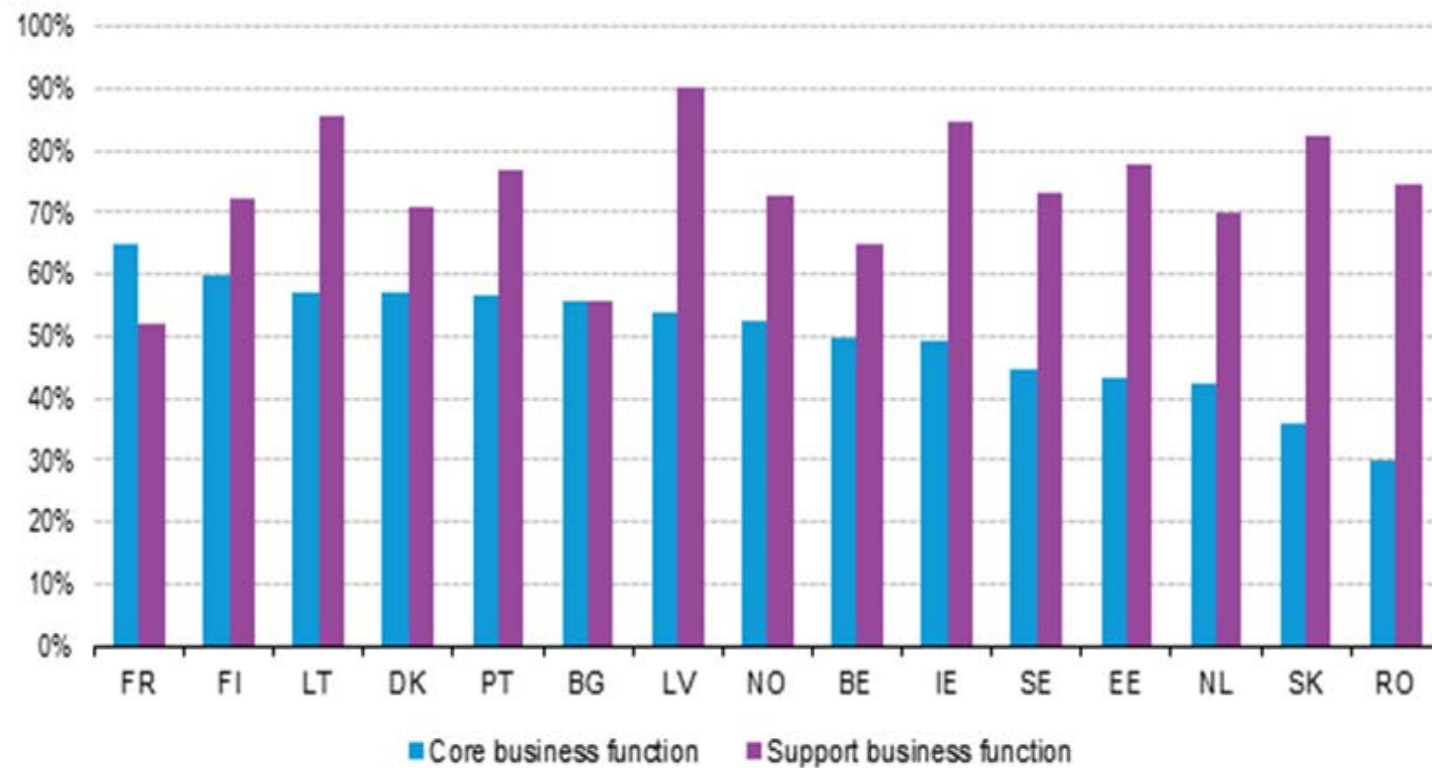
Production of final goods or services intended for the market/for third parties carried out by the enterprise and yielding income.

Support business functions

Support business functions (ancillary activities) are carried out in order to permit or facilitate production of goods or services intended for the market/for third parties by the enterprise:

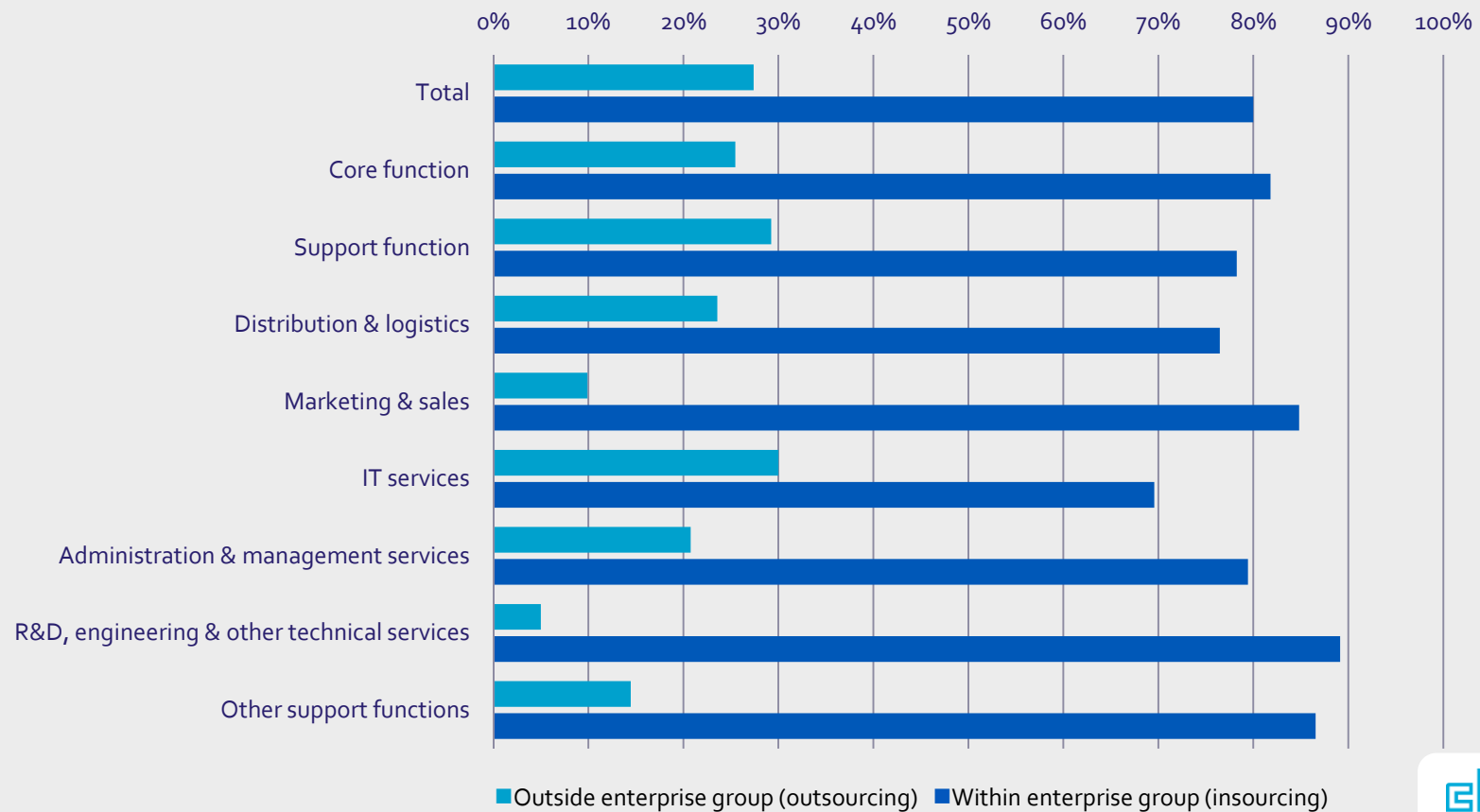
- *Distribution and logistics*
- *Marketing, sales and after sales services*
- *ICT services*
- *Administrative and management functions*
- *Engineering and related technical services*
- *Research & Development*
- *Other support functions*

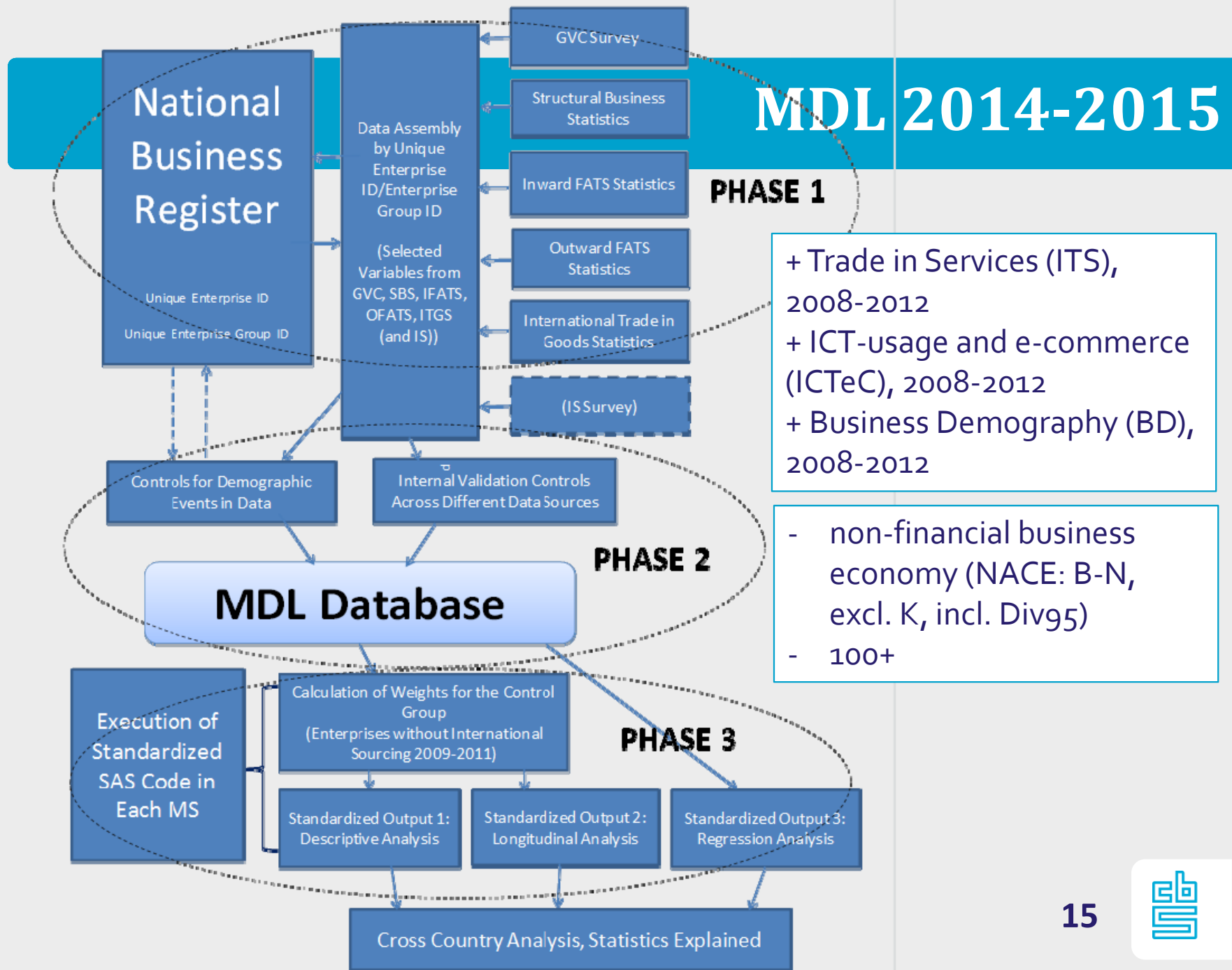
International sourcing *



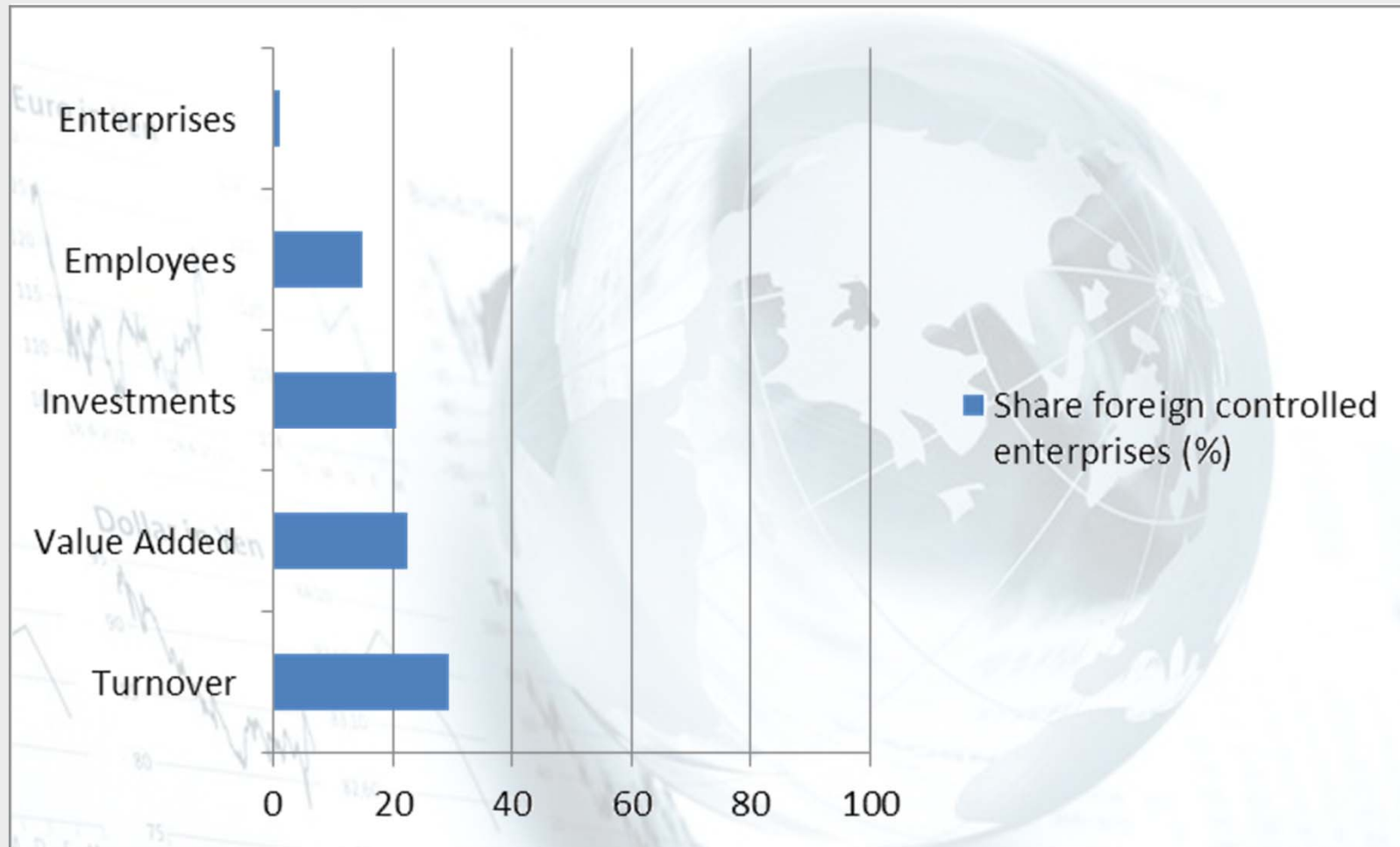
* Percentage of international sourcing enterprises

International sourcing (NL results)...

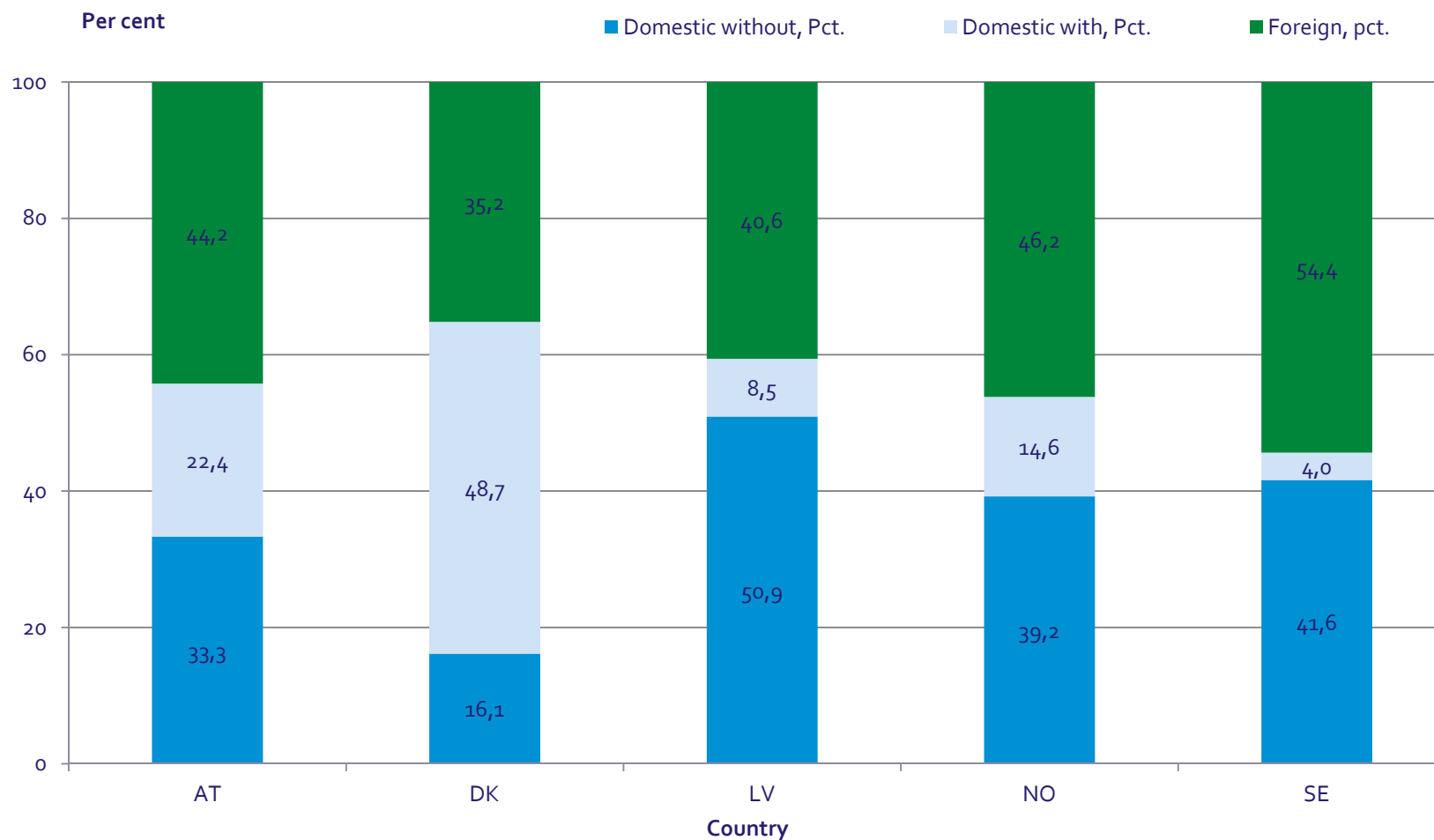




Impact foreign controlled enterprises



Export shares and control (2012)....



What to do?

- Promote the MDL approach as a future tool for statistical production
- Introduce the notion of globalized enterprises in the ESS
- Introduce an international classification of Business Functions
- Develop a better coverage of the services sector
- Include the International Organisation and Sourcing of Business Functions Survey in the upcoming European regulation on business statistics (FRIBS)

GVC statistics, it is all about...



Getting grips on heterogeneity of actors....



Understanding dynamic structures....



And putting it together in comprehensible statistics....