

# Micro Data Linking

2nd Webinar on the Global Initiative on  
Unique Identifiers for Businesses

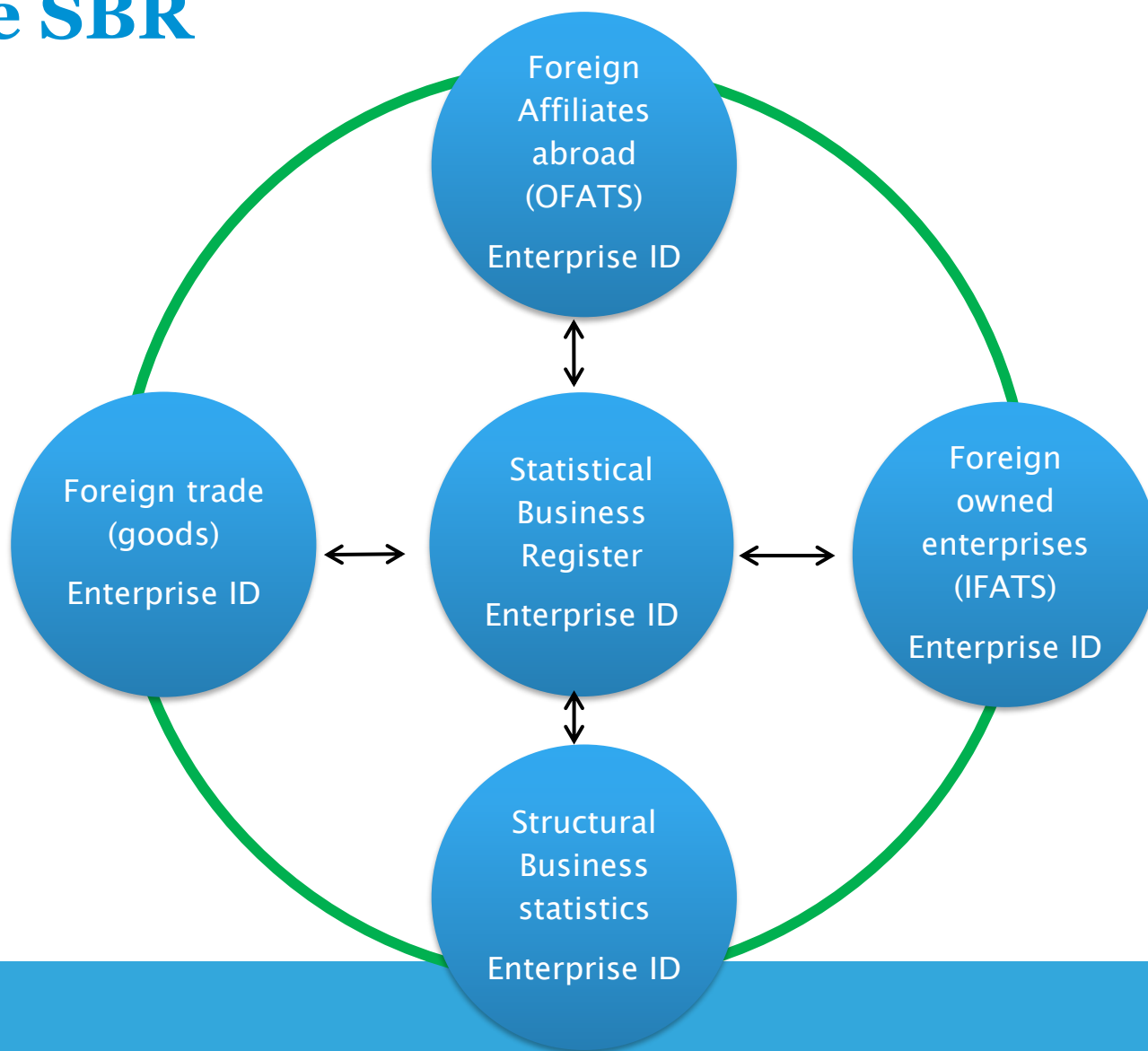
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# What is Micro data Linking?

## Linking of statistical registers at unit level via the SBR



# Reasons for Micro Data Linking

Need for breaking down the stove pipe production approach to get a more holistic view of businesses and their behaviour, e.g. are exporting businesses creating more jobs than non-exporters

Tool to meet new and emerging user needs in a swift and cost efficient way. MDL also offers the possibility of more granular statistics than published versions => making official statistics more valuable

Increasing value of existing, already collected data – without raising respondent burden by launching new surveys

Example from official statistics: TEC statistics is based on MDL

# Some Methodological Issues

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**Fundament:** Identical ID number used in the SBR and across statistical domains

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**Unit consistency:** businesses with complex legal structures (enterprise groups) might use different ID no.s for reporting to different statistics (example: SBS and ITGS)

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**Sampling frame and populations** differ across the statistics in question due to scope in terms of activity and/or size class

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**Data consistency:** Checks for reported values to different statistics. Inconsistency might be due to different reference periods, different definitions or simply reporting of incorrect values

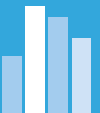
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**Official or experimental statistics?** If official statistics, reweighting is an issue, if experimental statistics only using the observed units, representativity can be an issue

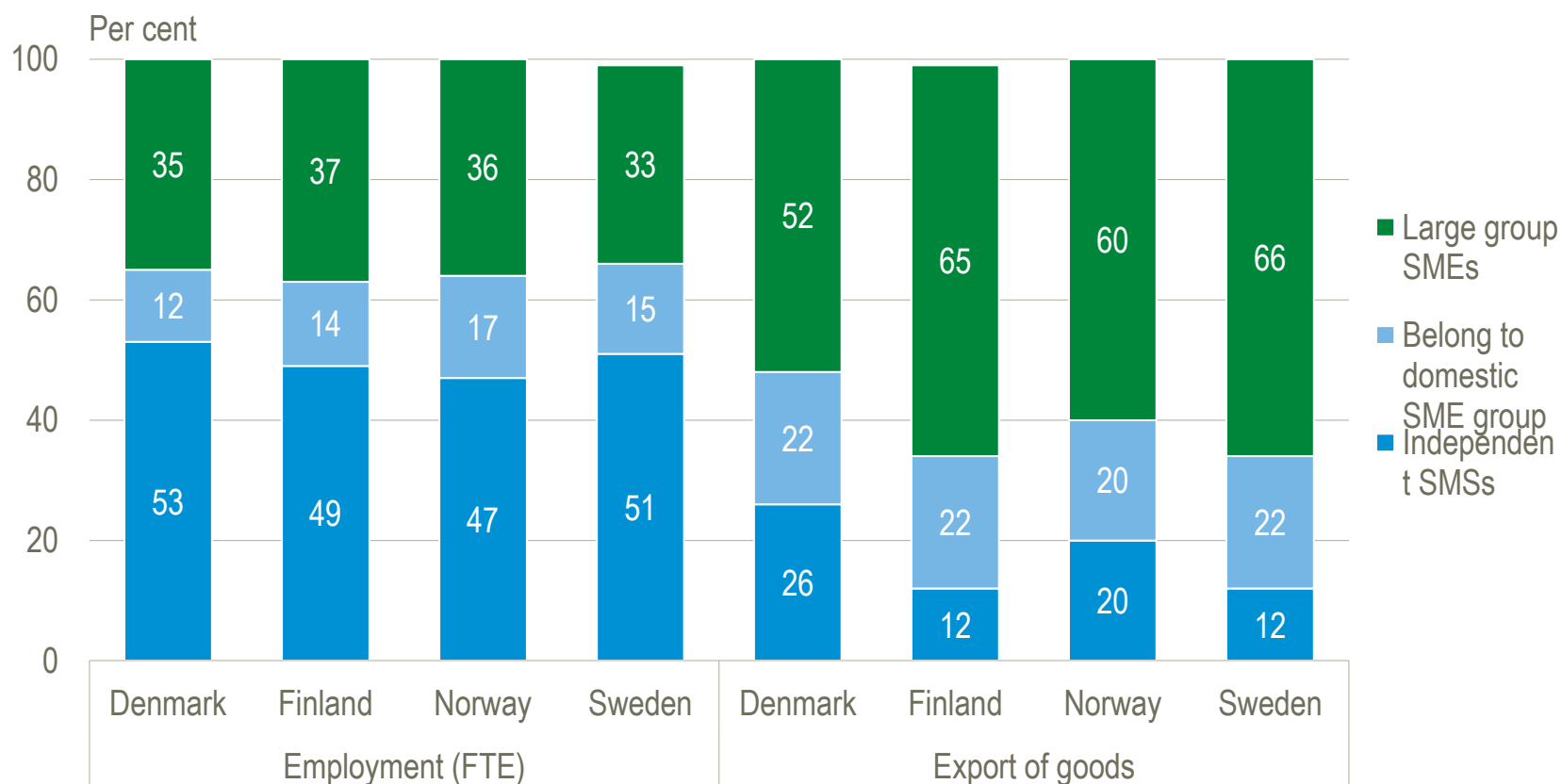


# Output example: Redefining the definition of Small and Medium-sized Enterprises

- Defining SMEs by two criteria: *size and control*
  - *Traditional approach: Employment size classes*
  - *Separate the population of SMEs into SMEs belonging to a an enterprise group (called dependent) and independent SMEs, as the framework conditions for SMEs belonging to a group are different from independent SMEs*
- Justification for analysis: SMEs are considered the main source for employment growth and consequently there is a policy focus on framework conditions for SMEs
- The possibility of micro data linking offers new ways of measuring the importance of SMEs



# Example 1: Linking SBR and SBS and ITGS : New information revising the importance of SMEs for exports



# Example 2: Linking SBR, SBS and IFATS

## Scaleup ownership across the Nordics

### Domestic Ownership:

Scaleups mainly domestically owned more than 80 %, highest in Finland 88 %

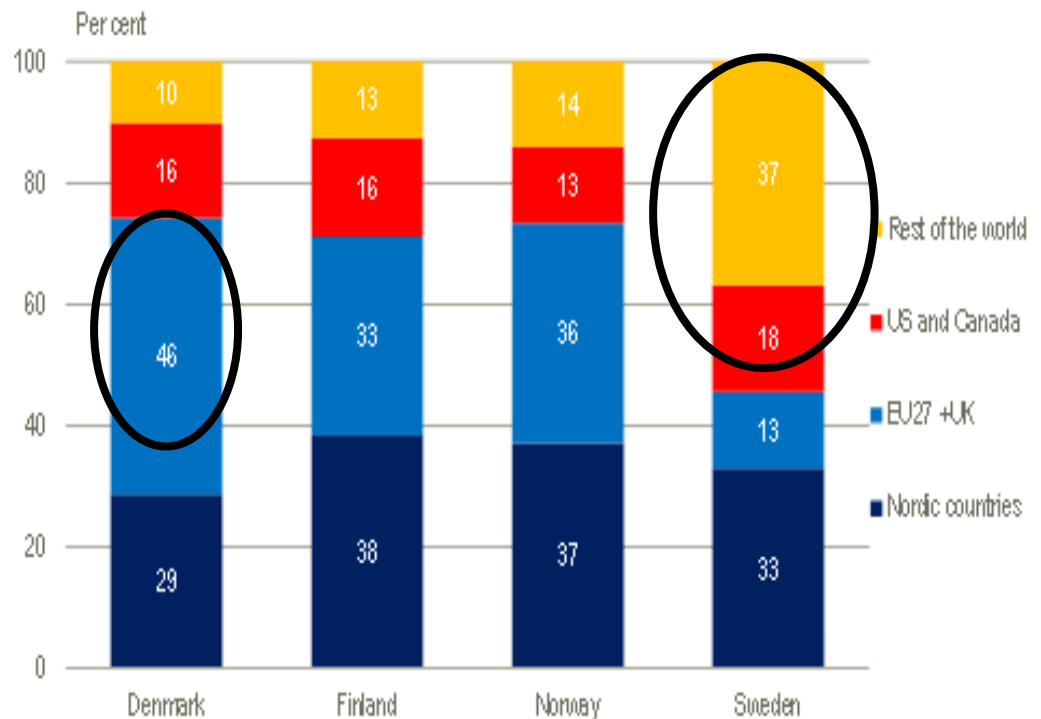
### Foreign Ownership:

FI and NO with dominance Nordic ownership

Denmark having high share of owners from EU countries

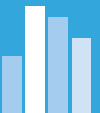
Sweden dominated by ownership from Rest of the world (37 %) – different from the other countries – if including the US and Canada more than 50 % are owned from outside Europe

Ownership location start year (- Domestic)



# Linking not only to national SBR but also to global/international SBRs (e.g. EGR)

- Add extra dimension to the available information in the national micro data infrastructure:
  - Size of Global Enterprise Group (GEG)
  - Global reach of the GEG (e.g. Intra-EU only)
  - Position of national business within the value chain of the GEG





The background of the slide is a close-up photograph of various colorful puzzle pieces. The pieces are in shades of blue, yellow, orange, purple, and grey, and are scattered across the frame. A semi-transparent blue rectangular box is overlaid on the top half of the image, containing white text.

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