



Planbureau voor de Leefomgeving

The competitiveness of the Dutch topsectors

European Policy Research Centre (EPRC) seminar

University of Strathclyde
Glasgow

24-10-2012
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New industry policy: focus on top sectors





What is the investment agenda accompanying the strengthening of the competitiveness of the Dutch top sectors and The Netherlands?

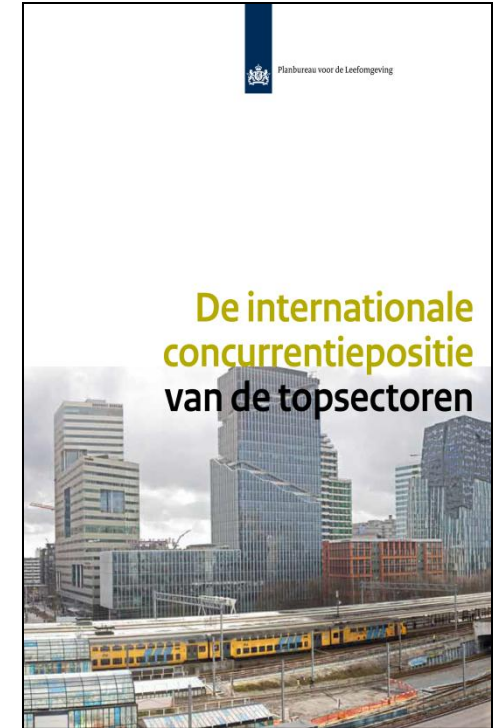
Two sites of international competition



1. Foreign-owned firms



2. Exports



3. **Top sectors** Foreign-owned firms & exports

Regions crucial

'Global-local paradox'
Porter

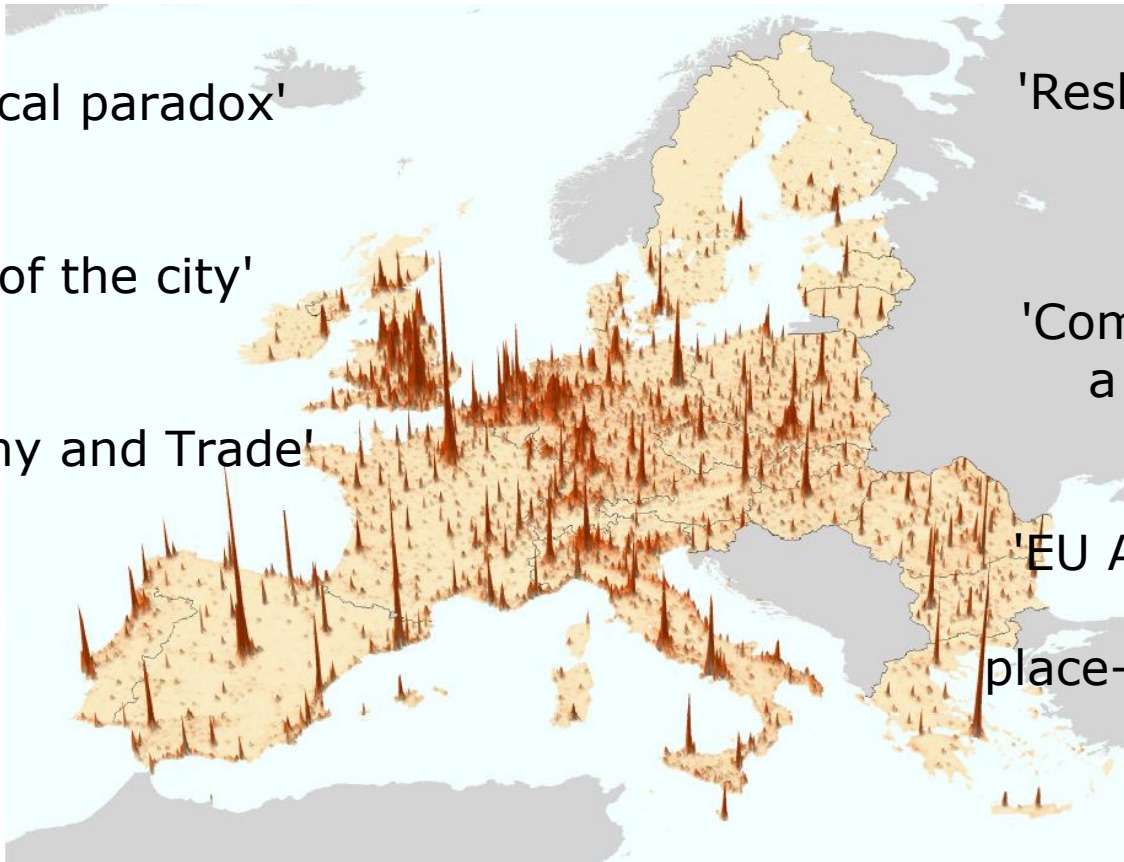
'Triumph of the city'
Glaeser

'Geography and Trade'
Krugman

'Reshaping Economic
Geography'
Worldbank

'Competitive cities in
a global economy'
OECD

'EU Agenda reformed
cohesion policy;
place-based approach'
Barca





Besides macro economic policy also spatial economic policies for an excellent business climate

- Accessibility (national en international)
- Labour market
- Human capital
- Agglomeration factors
- Clusters
- Networks
- Investments in R&D (public and private)

Underlying questions

- Who are your main competitors? Where are they located?
- Which business climate factors are important for a good competitive position?
- How does our business climate relate to that of our main competitors?
- Where should we invest or fill the gap or to maintain our good position?

Hereby :

- Firms (in the top sectors) in regions
- 'Revealed competition': exports en FDI

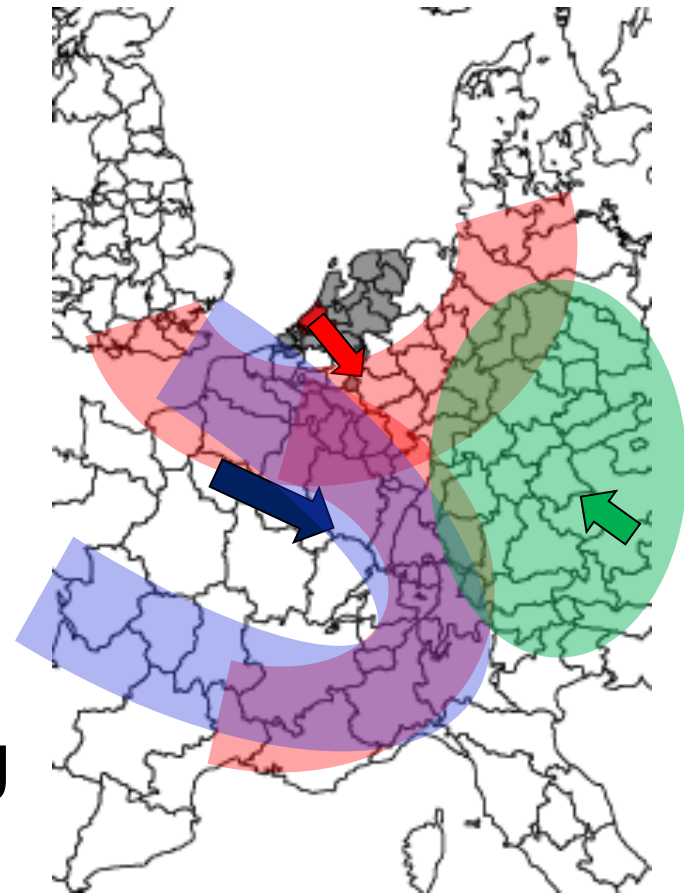
Which regions 'compete'?

South-Holland exports

Paris exports

Vienna exports

Competition:
South-Holland and
Paris have overlapping
export markets



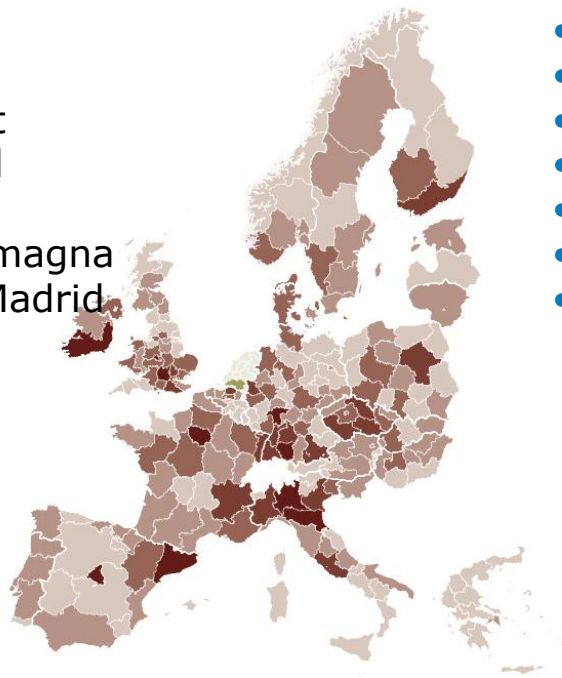


Example High-tech in North Brabant (Brainport)

Who are the main competitors?

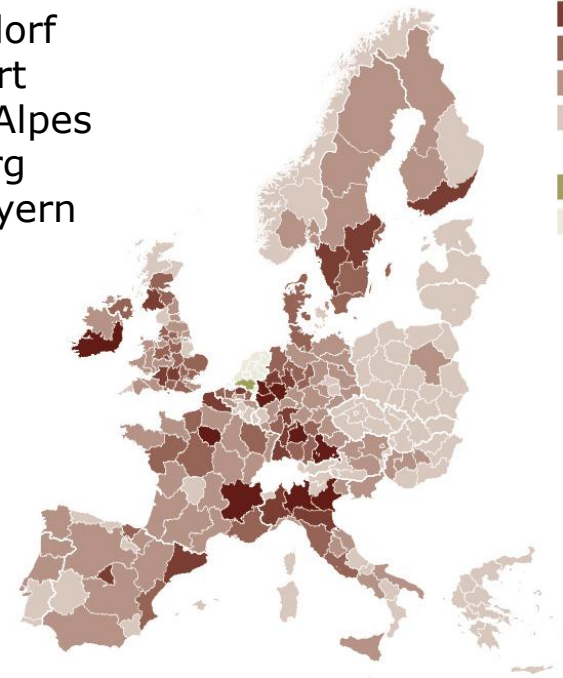
Foreign firms

- Lombardia
- West Midlands
- Île de France
- Cataluna
- Oxford
- Darmstadt
- SE Ireland
- Tübingen
- Emilia-Romagna
- Com. de Madrid



Exports

- Lombardia
- Île de France
- SE Ireland
- Düsseldorf
- Stuttgart
- Rhône-Alpes
- Arnsberg
- Oberbayern
- Köln
- Veneto



Rangorde

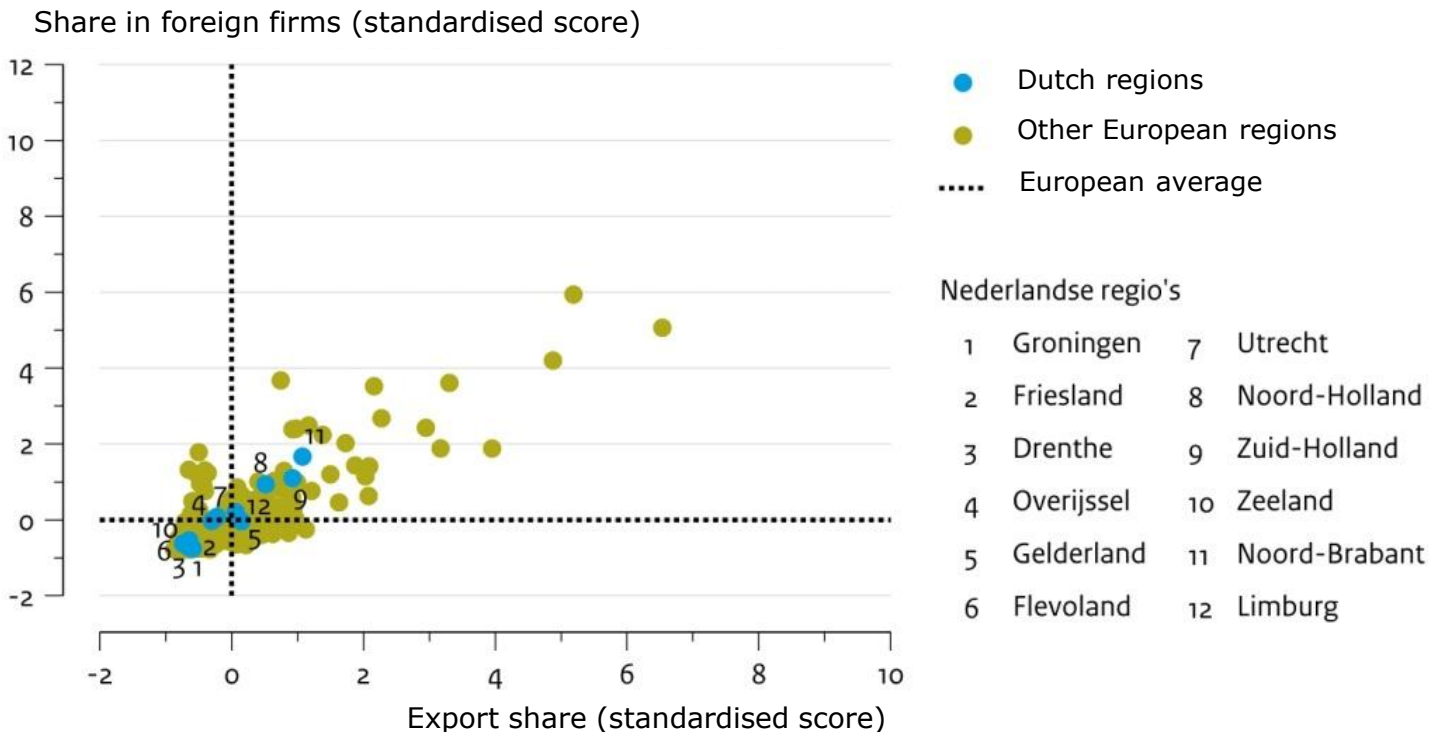
- 1 - 10
- 11 - 30
- 31 - 70
- 71 - 150
- 151 en verder

Onderzochte regio

Regio's in hetzelfde land

For high-tech: strong correlation between FDI & exports

Export share and FDI share in High-tech in Europe

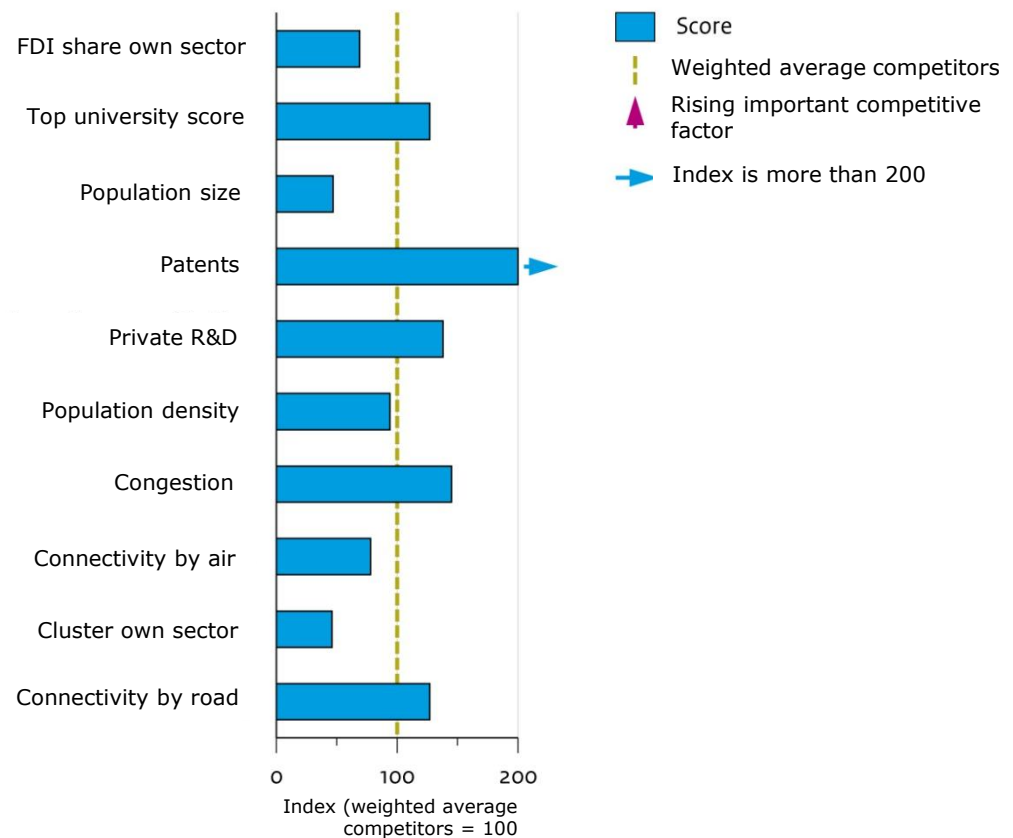
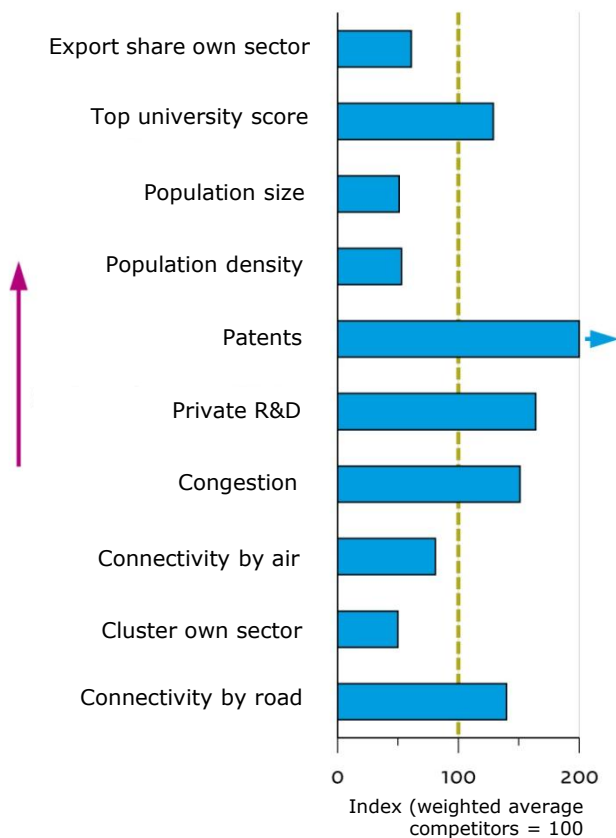


For other sectors this correlation is less strong

Benchmark top sector High-tech in North-Brabant

Foreign firms

Export



- Score
- Weighted average competitors
- Rising important competitive factor
- Index is more than 200



Investment agenda High-tech North-Brabant

Benchmarking the main competitors:

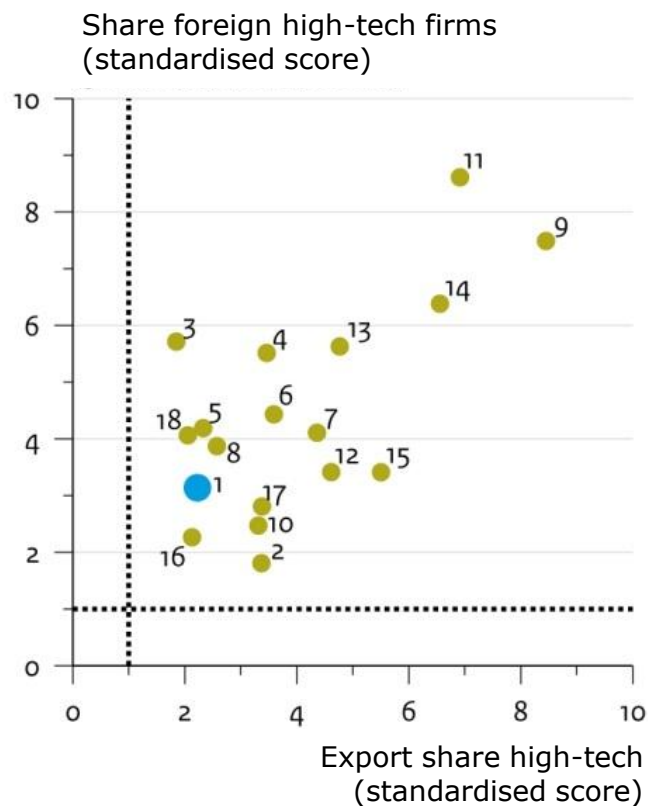
- North-Brabant misses agglomerative force
 - Urbanisation advantages: mass en density
- The High-tech cluster is relatively small
 - Clustering en concentration
- Accessibility is worse
 - The international connectivity by air
 - Congestion (road)



More details on important characteristics (based on specific competitors)

Characteristics main competitors North-Brabant for High-tech firms, 2010

Export share high-tech versus FDI share high-tech

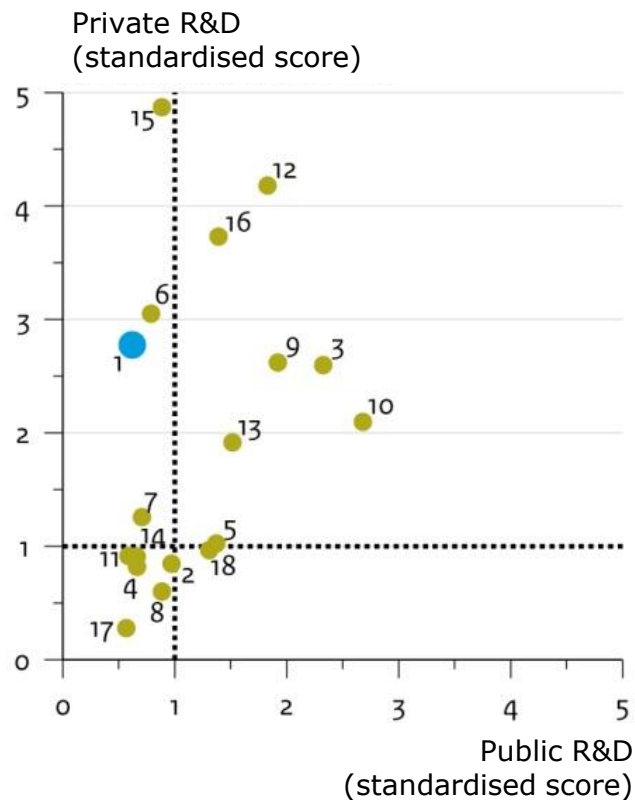


- North-Brabant
- Main competitors
- European average

| Nr | Regio | Nr | Regio |
|----|--------------------------------|----|----------------------------|
| 1 | Noord-Brabant | 10 | Köln |
| 2 | Arnsberg | 11 | Lombardia |
| 3 | Berkshire, Bucks & Oxfordshire | 12 | Oberbayern |
| 4 | Cataluña | 13 | Rhône-Alpes |
| 5 | Comunidad de Madrid | 14 | Southern & Eastern Ireland |
| 6 | Darmstadt | 15 | Stuttgart |
| 7 | Düsseldorf | 16 | Tübingen |
| 8 | Emilia-Romagna | 17 | Veneto |
| 9 | Île de France | 18 | West Midlands |

Characteristics main competitors North-Brabant for High-tech firms, 2010

Public R&D versus Private R&D

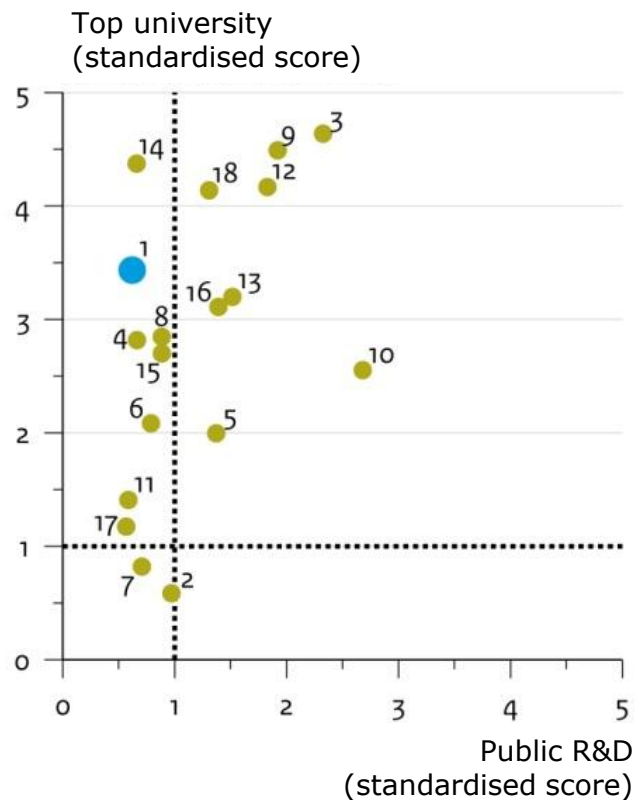


- North-Brabant
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Characteristics main competitors North-Brabant for High-tech firms, 2010

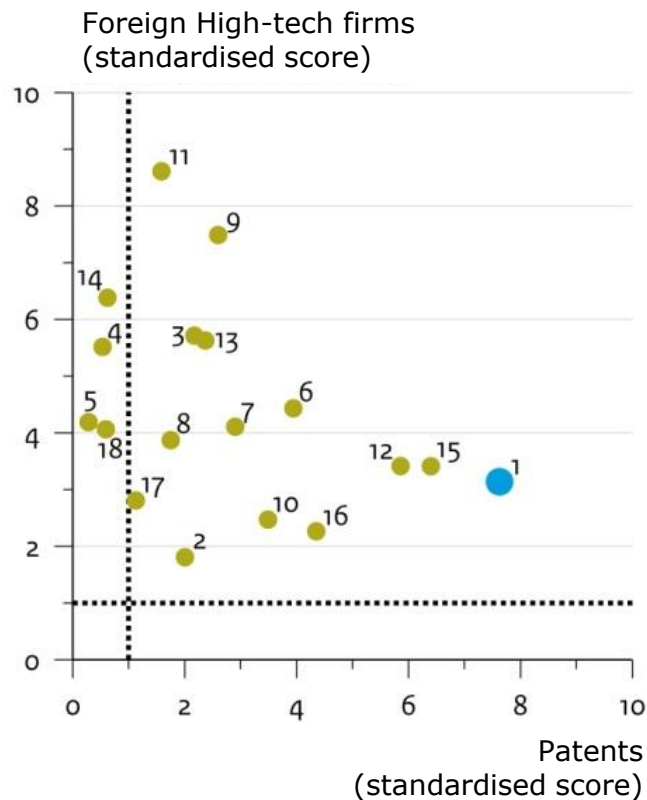
Public R&D versus Top university rang score



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Characteristics main competitors North-Brabant for High-tech firms, 2010

Patents versus foreign high-tech firms



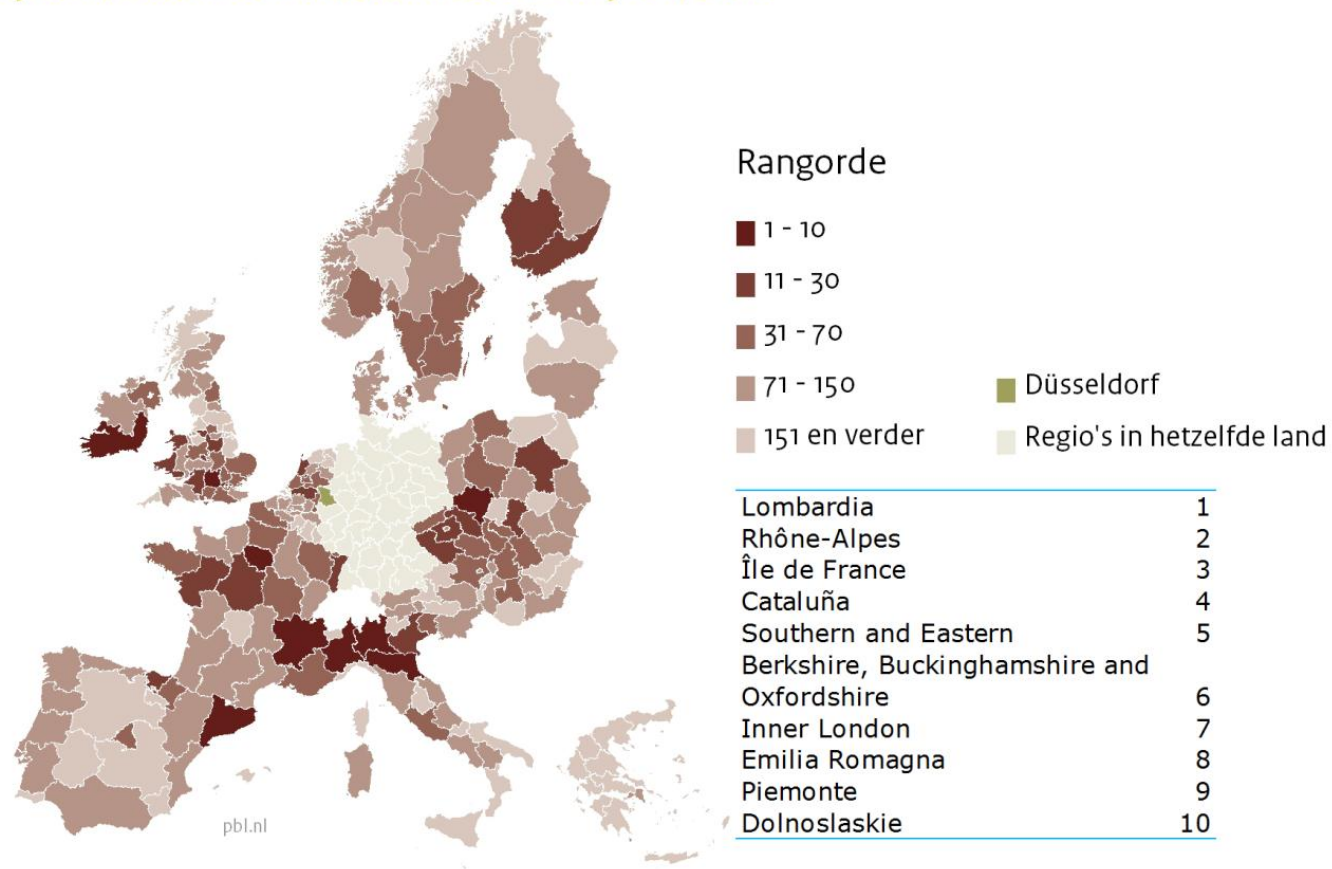
- North-Brabant
- Main competitors
- European average

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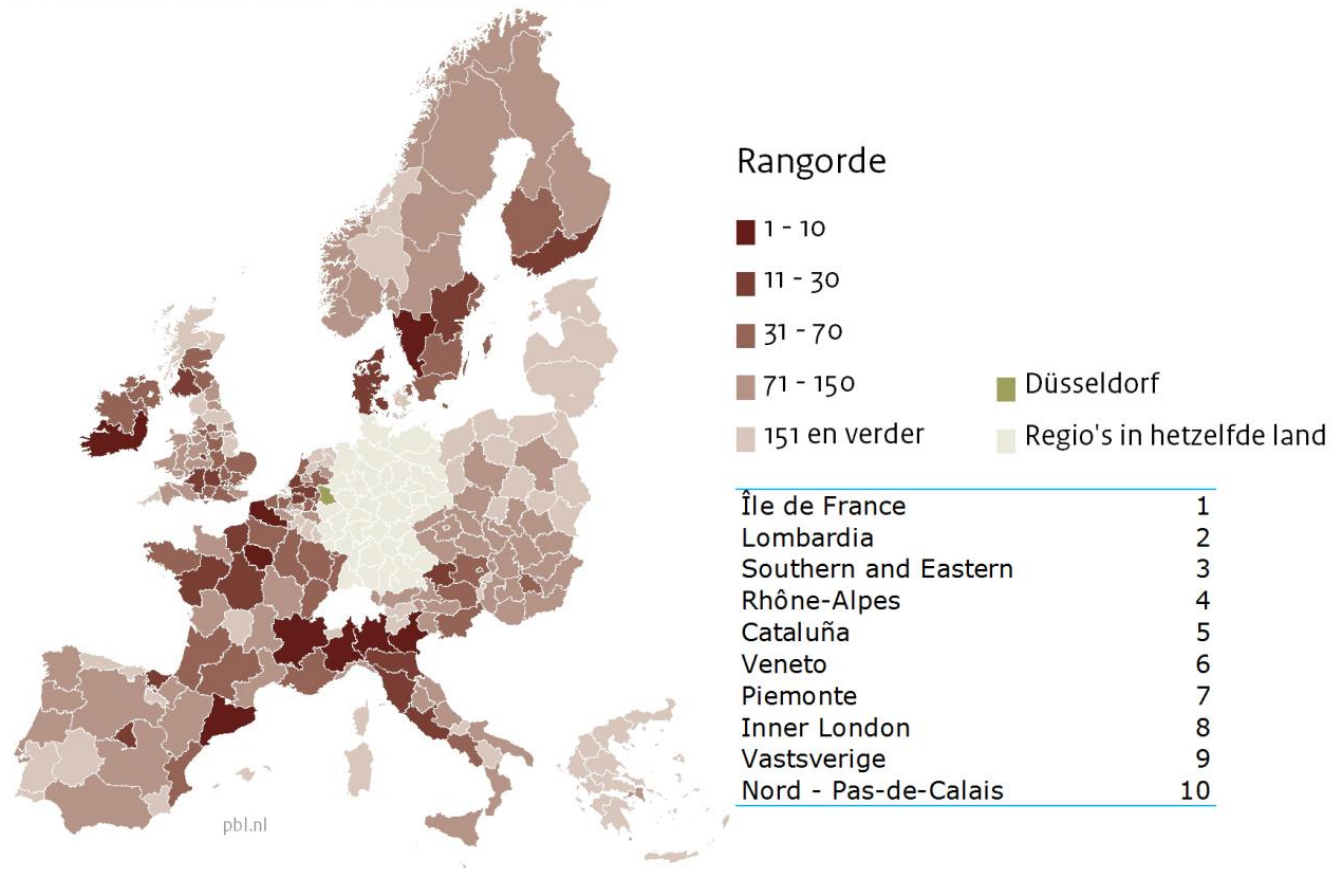


The perspective from one of the main competitors 'Düsseldorf'

European competitors Düsseldorf competition for foreign high-tech firms, 2010

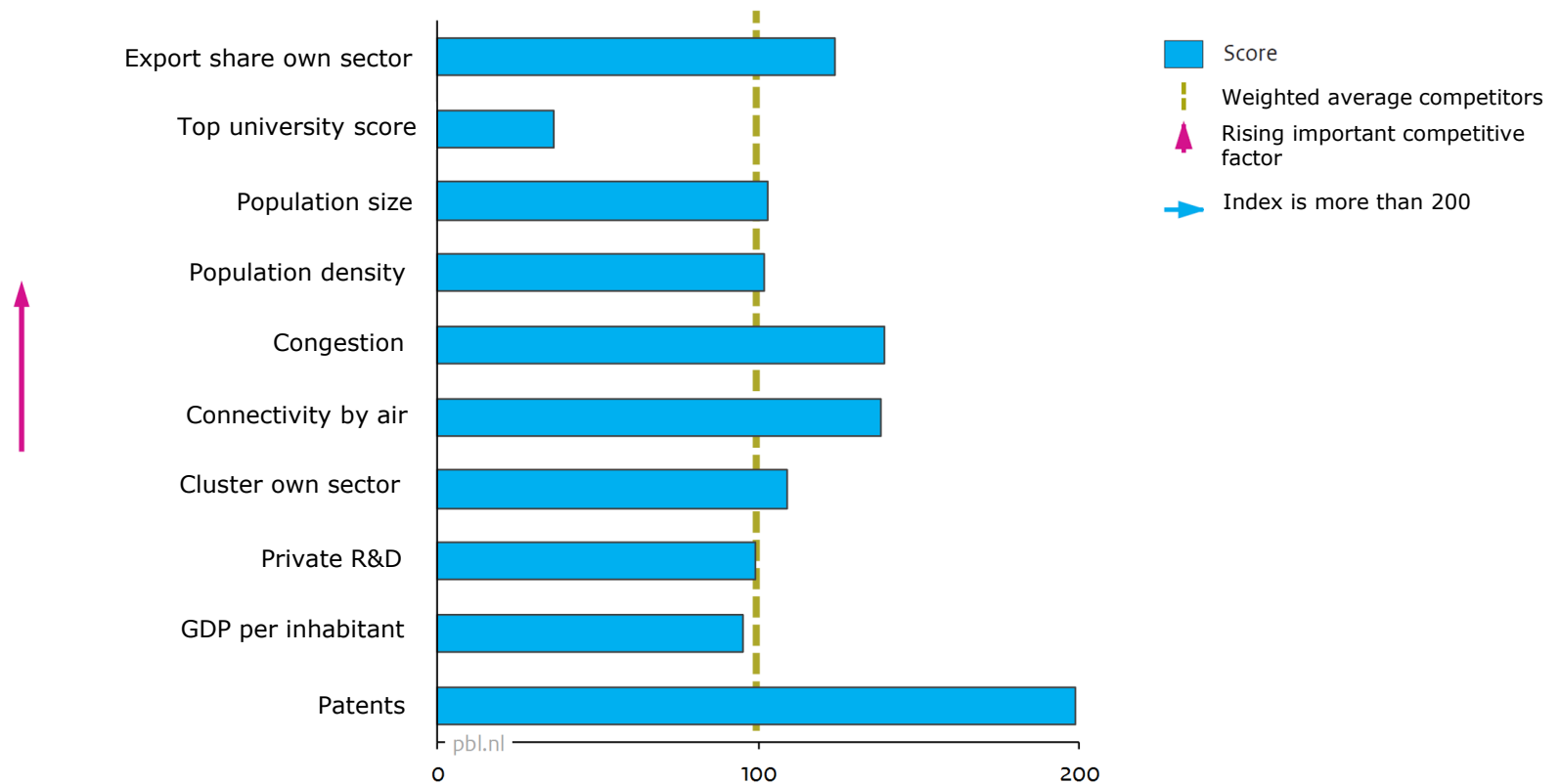


European competitors Düsseldorf export high-tech products and services, 2010



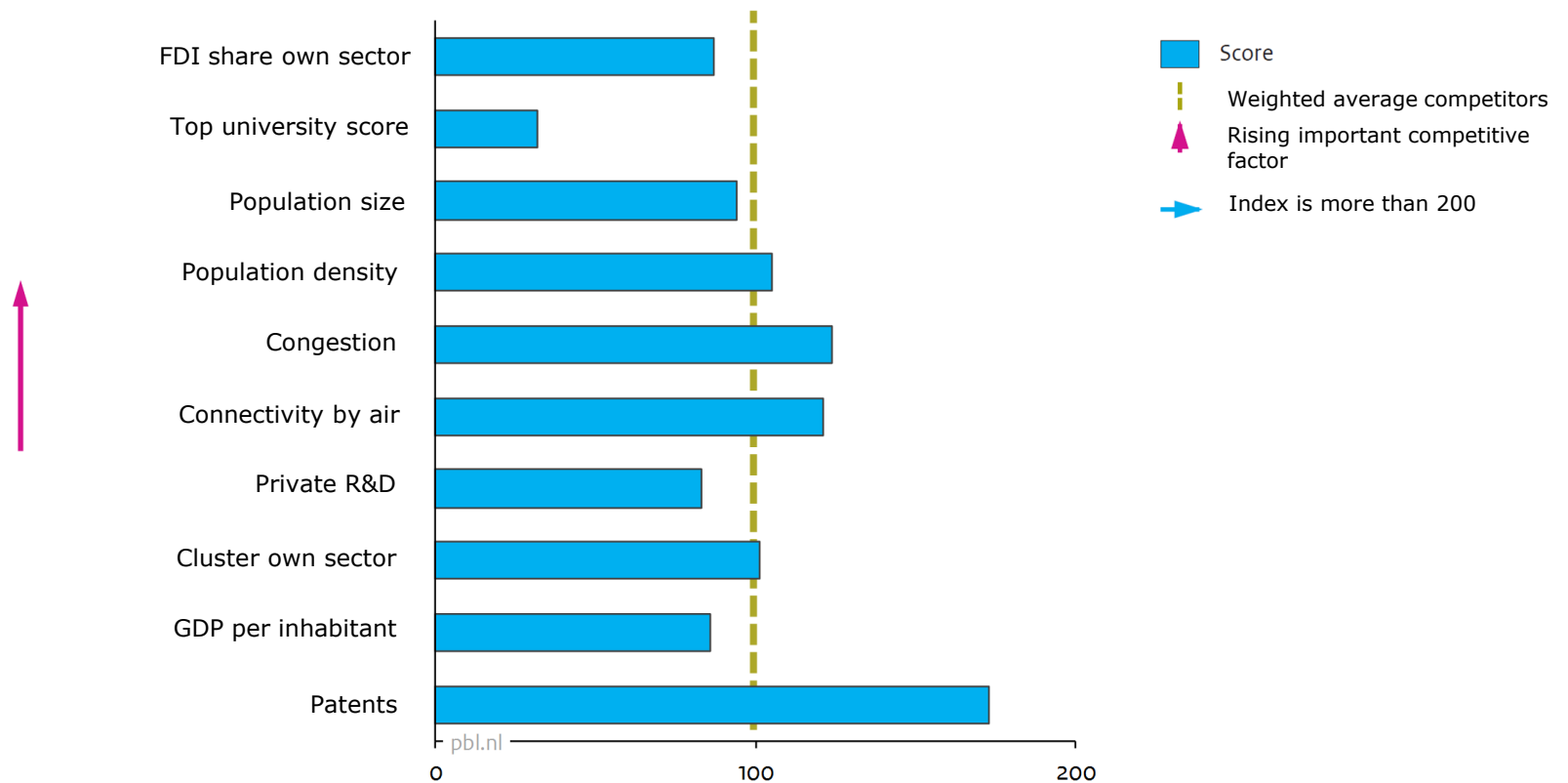
Regional competitiveness factors for High-tech in Düsseldorf, 2010

Foreign-firms



Regional competitiveness factors for High-tech in Düsseldorf, 2010

Exports



Findings in our study (1)

- Regions are important for competitiveness
- Customize per sector & region (no 'one size fits all')
- Not every top sector is internationally the top (be realistic)
- Per top sector and region factors to invest in to 'fill the gap'
- Per top sector and region factors to invest in to maintain good position



Thank you for the attention!