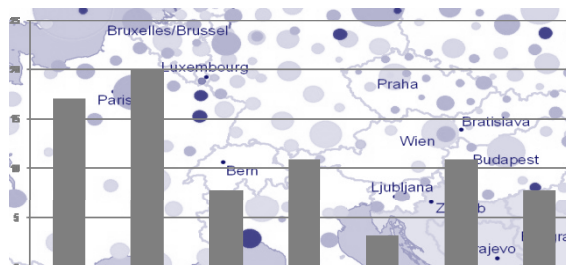


Shrinking Cities in Europe

An indicator-based quantitative analysis



19. 05. 2010

Manuel Wolff



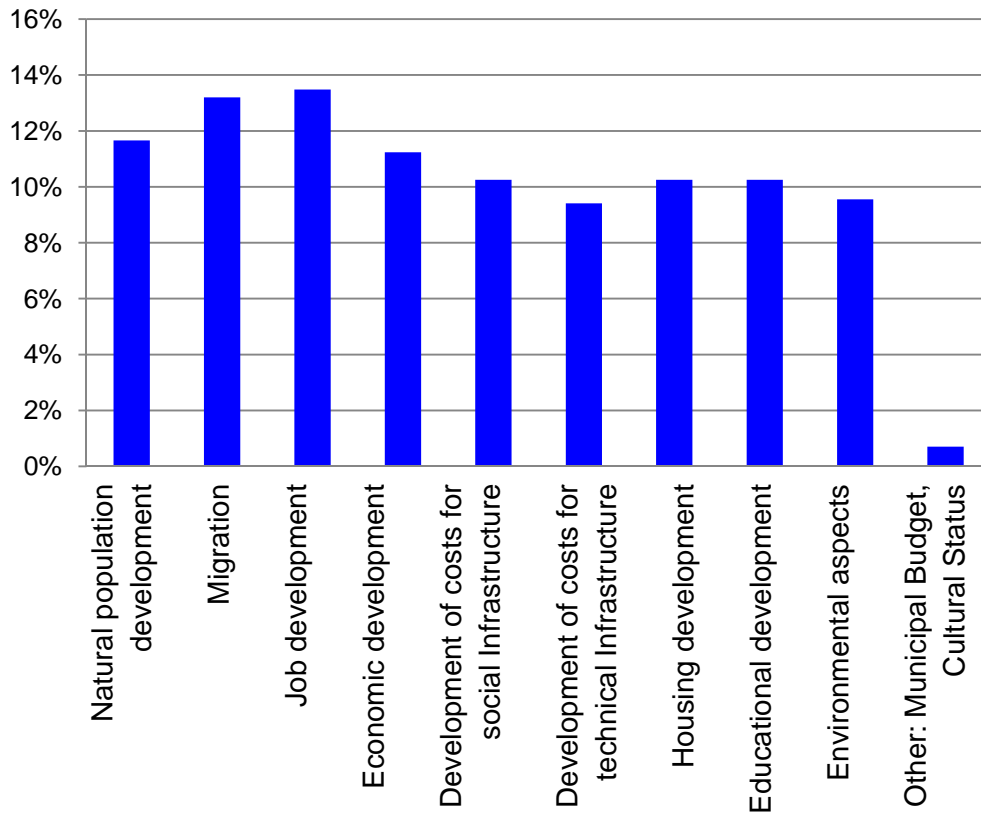
Content

Part 1: Results of Expert Survey

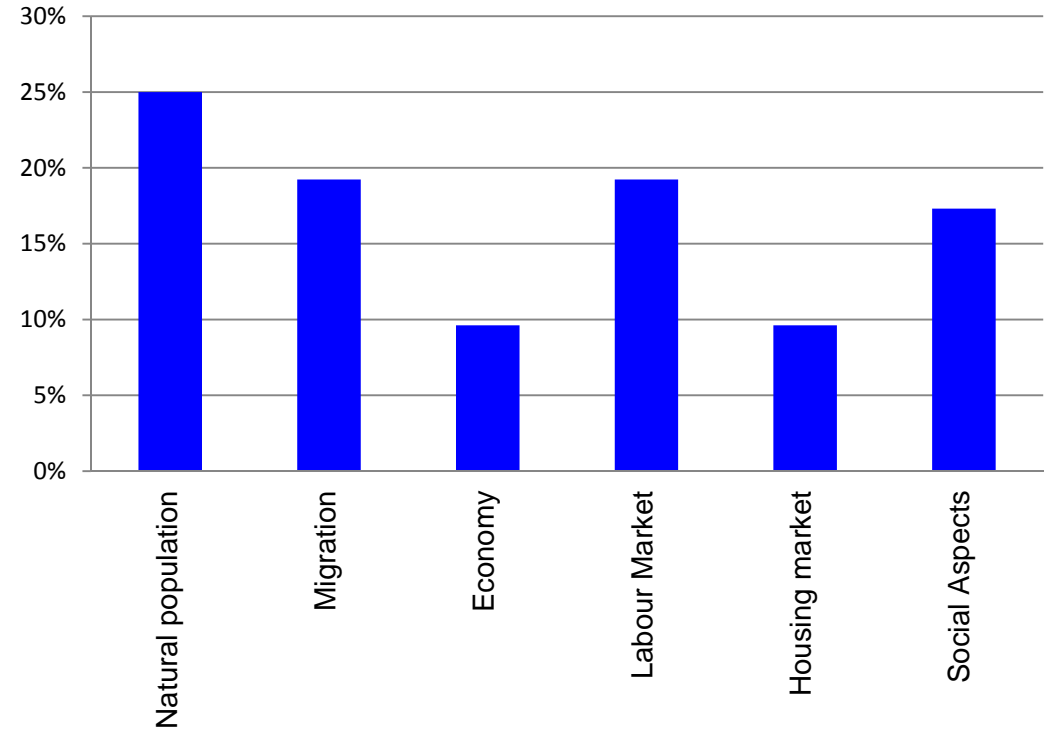
Part 2: Quantitative Analysis with URBAN AUDIT

Results of Expert Survey

Processes in shrinking cities



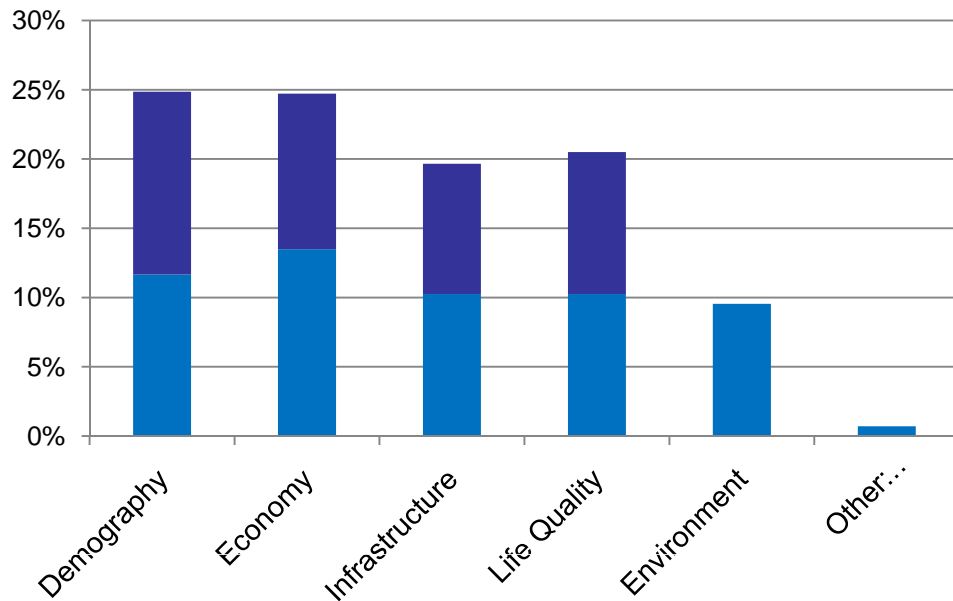
Possible Criteria for Shrinkage



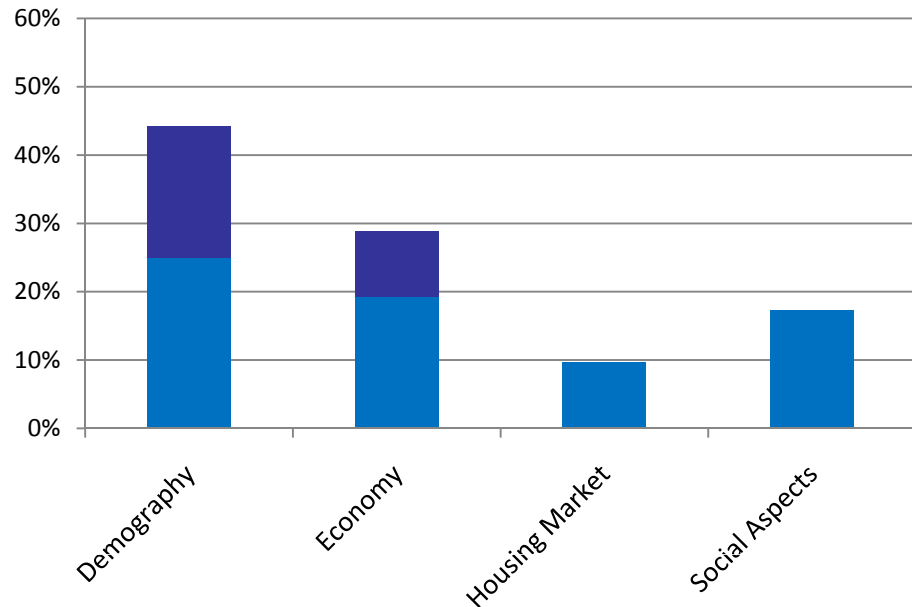
Results of Expert Survey

SCiRN Definition of a shrinking city:
Loss of population and economic transformation process.

Processes in shrinking cities

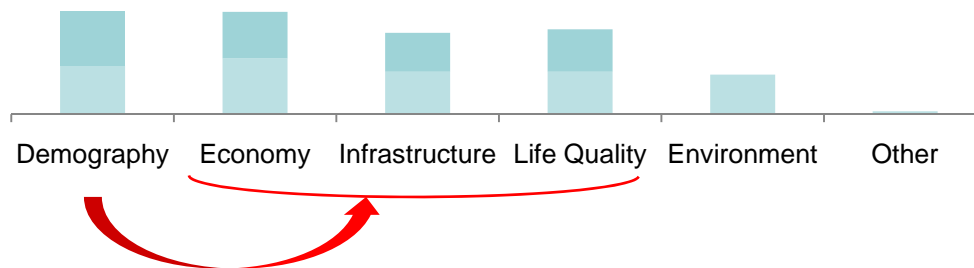


Possible Criteria for Shrinkage

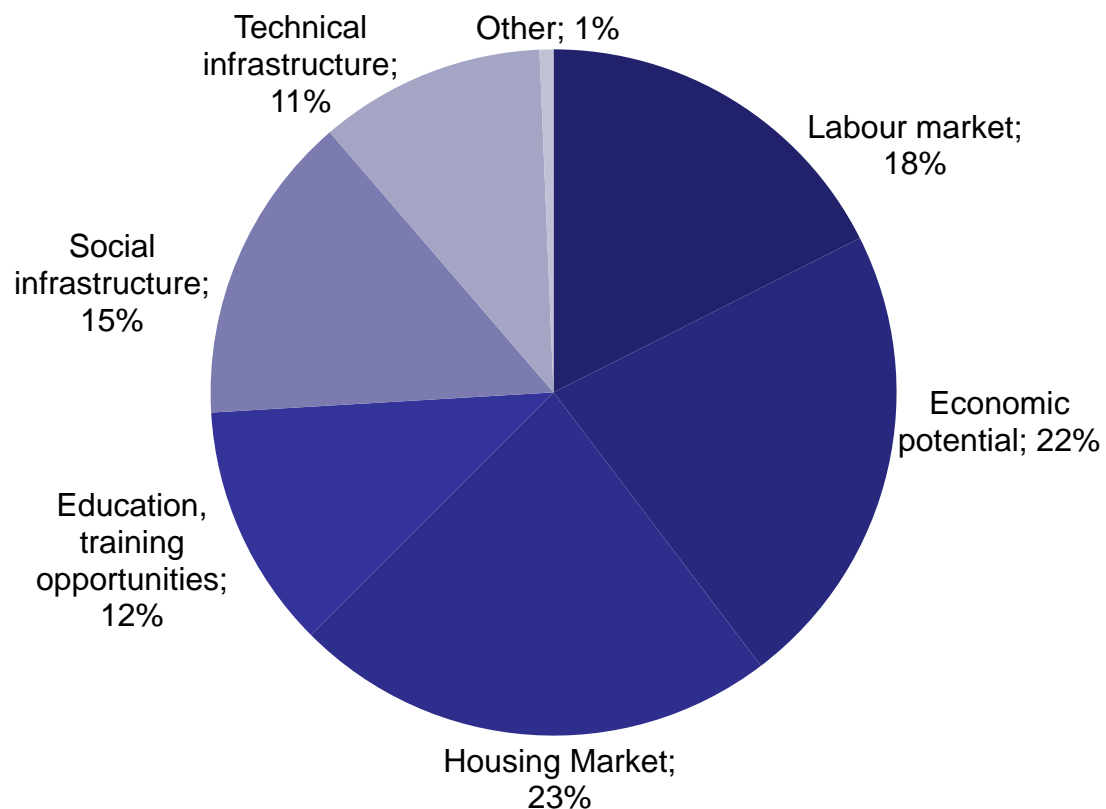


Demography: Natural population development, Migration
 Economy: Economic Development, Job development
 Infrastructure: Development of costs for social and technical infrastructure
 Life quality: Housing and Educational development

Results of Expert Survey



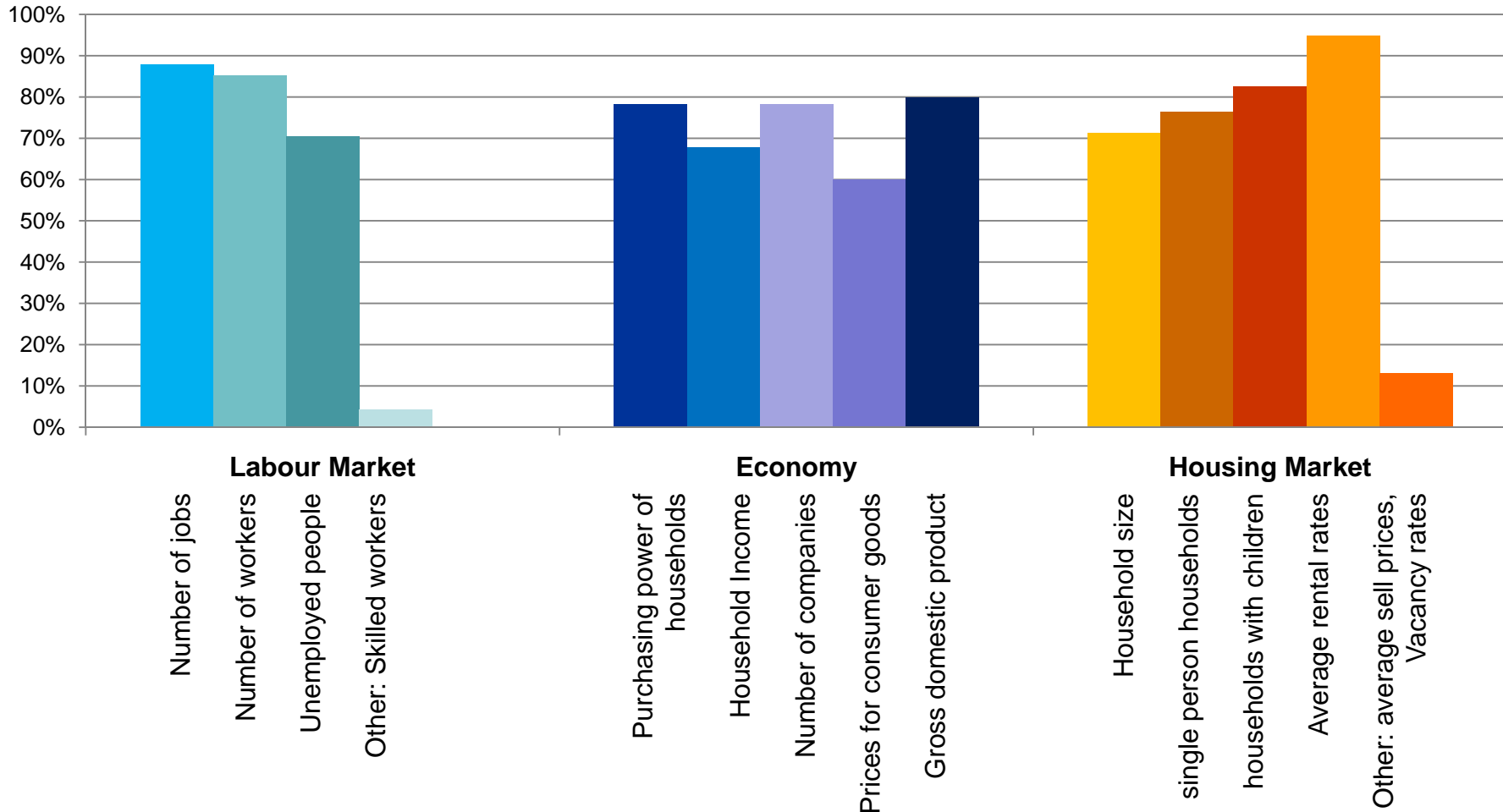
Impact of a declining population on urban areas



Results of Expert Survey

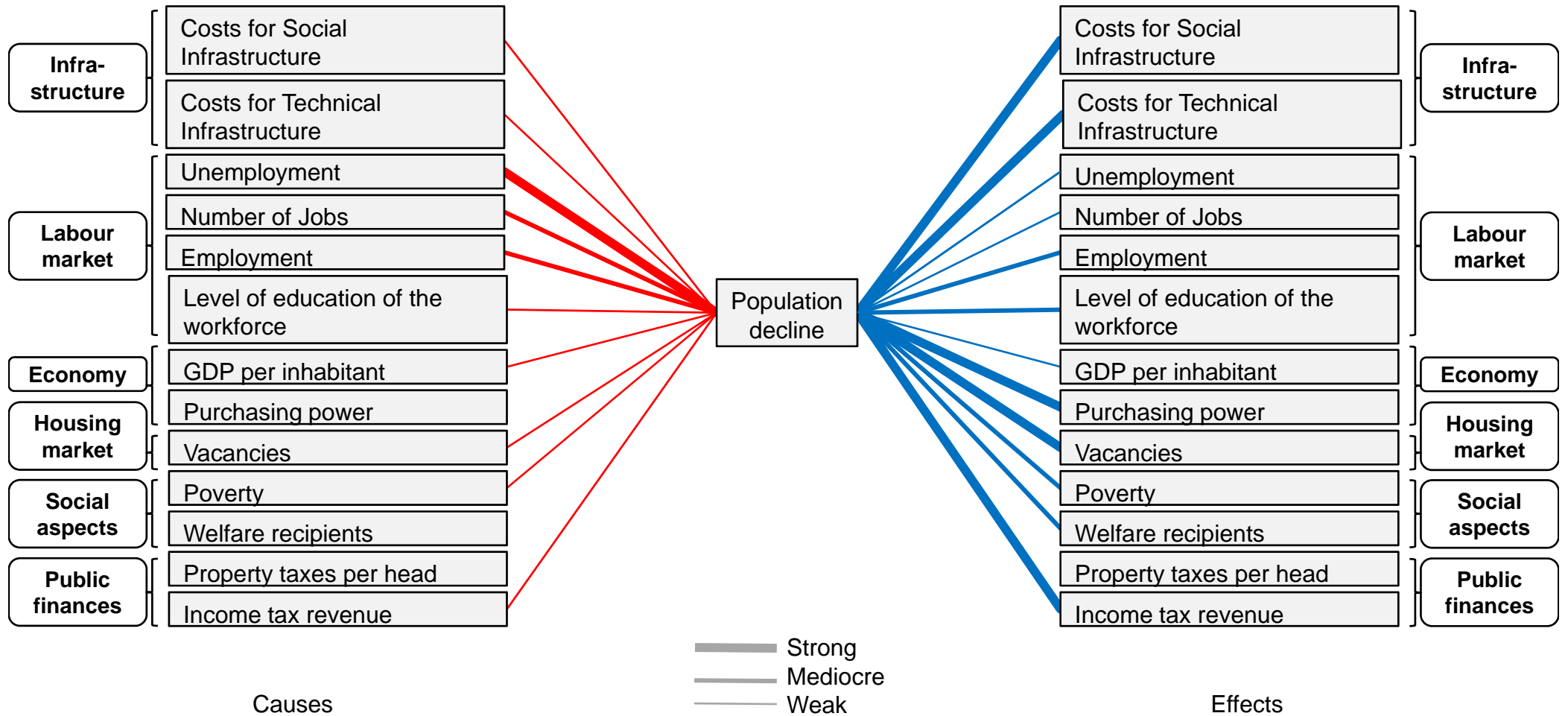


Importance of single developments



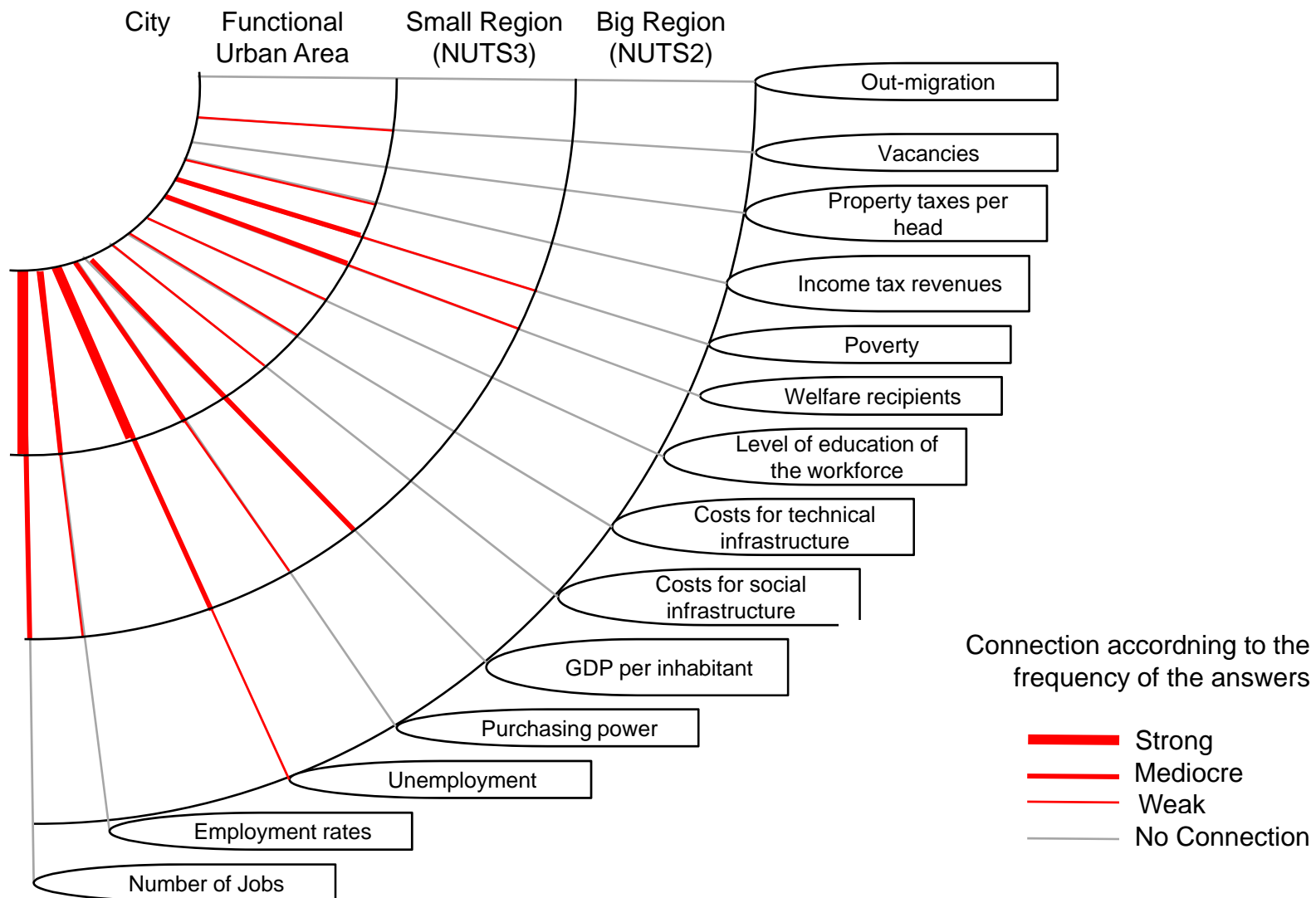
Results of Expert Survey

Causes and effects of a declining population

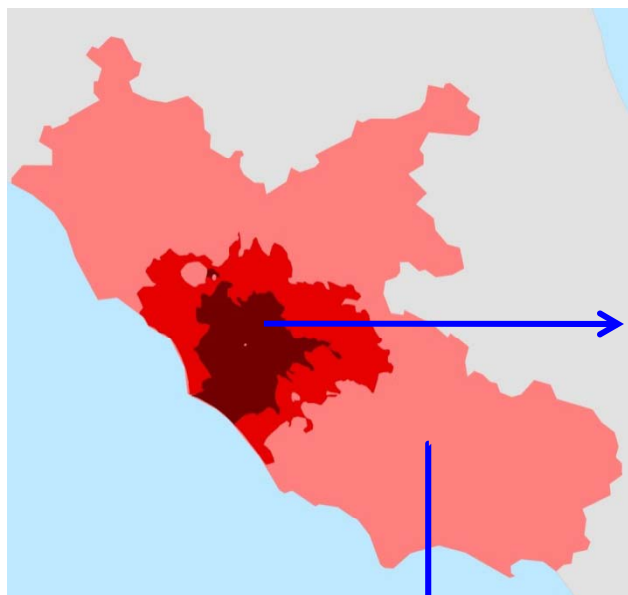


Results of Expert Survey

Equal trends in the surrounding area and in the shrinking city



Quantitative Analysis - Approach



Demographic indicators:

- Total Population
- Development
- Net-migration rate

Labour indicators:

- Development of jobs
- Unemployment rate

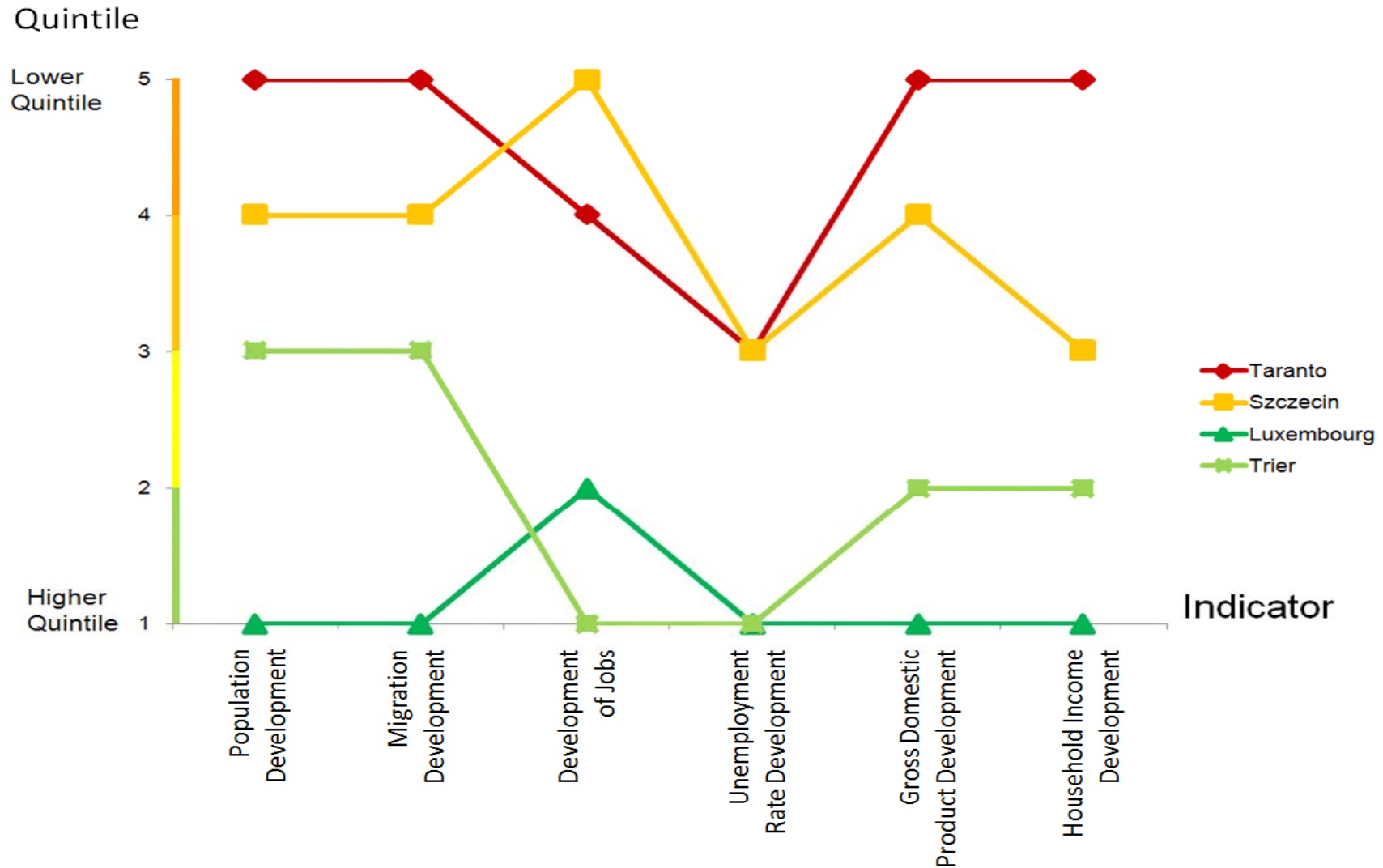
Economic indicators:

- Gross Domestic Product
- Purchasing power of households

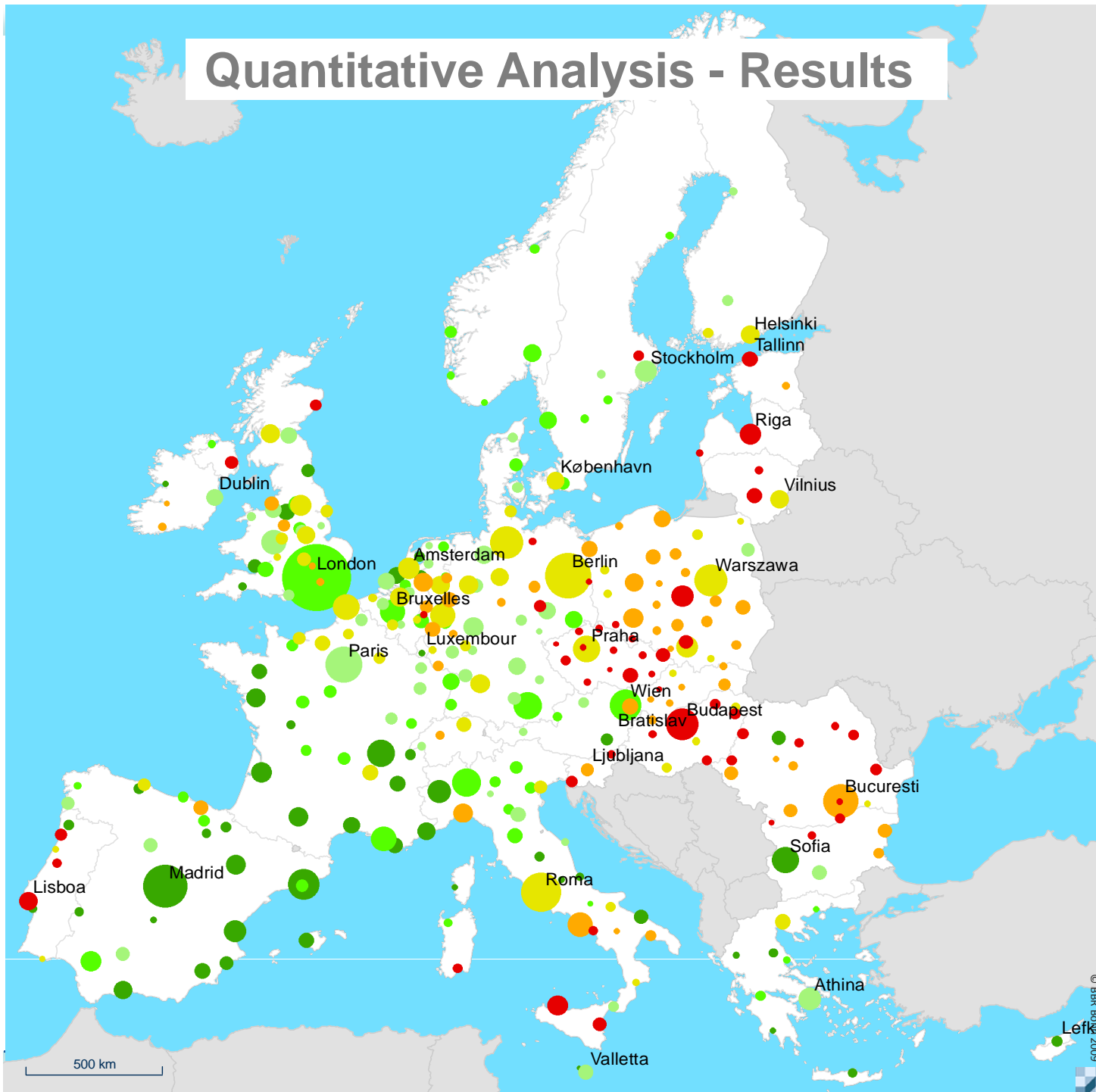
Method

- Merging/ Summarizing
- Development 2001-2004 for all 6 indicators
- Ranking on quintiles

Quantitative Analysis - Results



Quantitative Analysis - Results



Development of the population in European cities in the period 2001 until 2004

- Strong increase
- Mediocre increase
- Low increase
- Low decline
- Mediocre decline
- Strong decline

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Quantitative Analysis - Conclusion

- Results of quantitative analyses can vary
- Loss of population can serve as an indicator for shrinkage, but it does not necessarily cover the whole aspect of shrinkage
- Challenge to pick the right aspects
- Demographic and economic aspects
 - more indicators → covering more urban developments
 - increasing meaningfulness of results

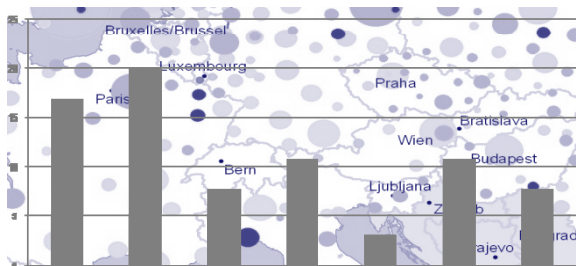
Problems:

What indicators?

Data gaps!

Spatial unit?

Time period?



Thank you very much for your attention