

# Metropolregion Rheinland – S,M,L,XL? Über Chancen, Kosten und Prozess

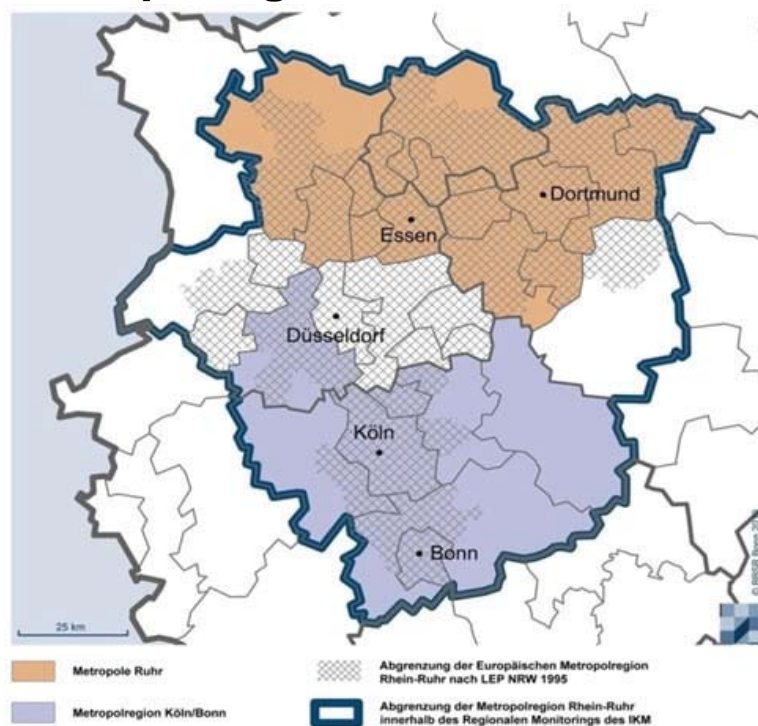
Fakultät für Architektur  
Lehrstuhl für Raumentwicklung  
Prof. Dr. Alain Thierstein

Regionalrat

Düsseldorf, 24. September 2015

TUM Fakultät für Architektur Lehrstuhl für Raumentwicklung

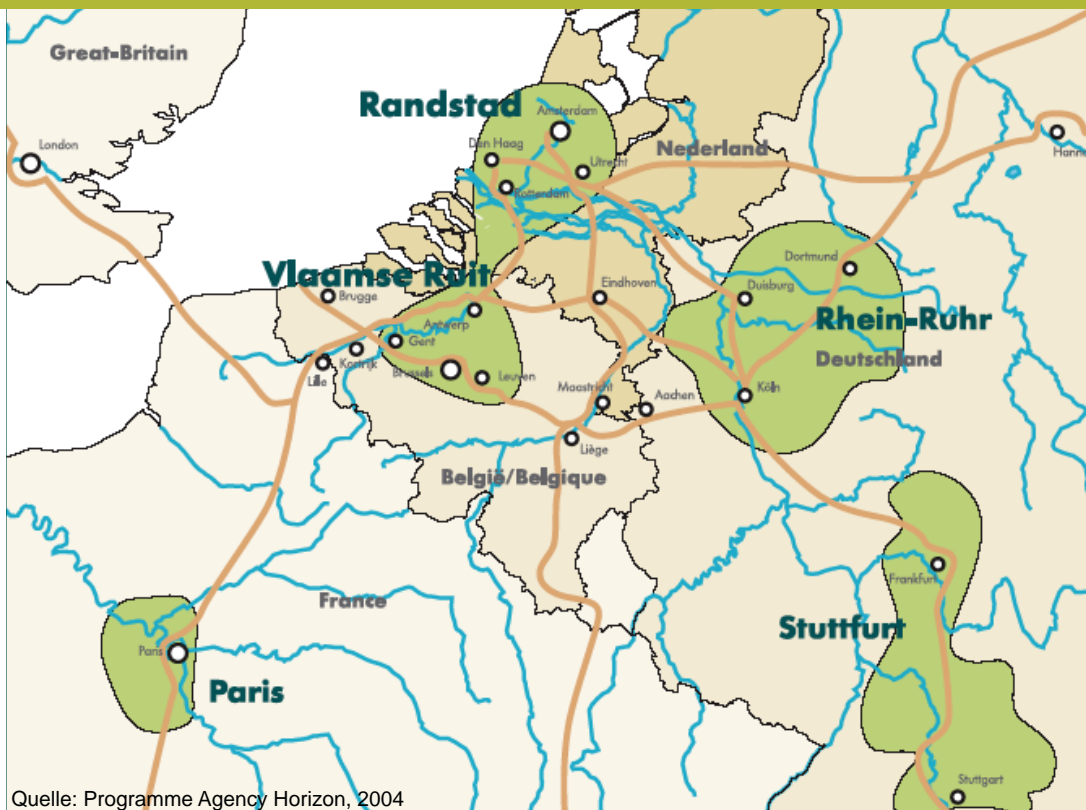
## Metropolregion Rhein-Ruhr: was soll sein?



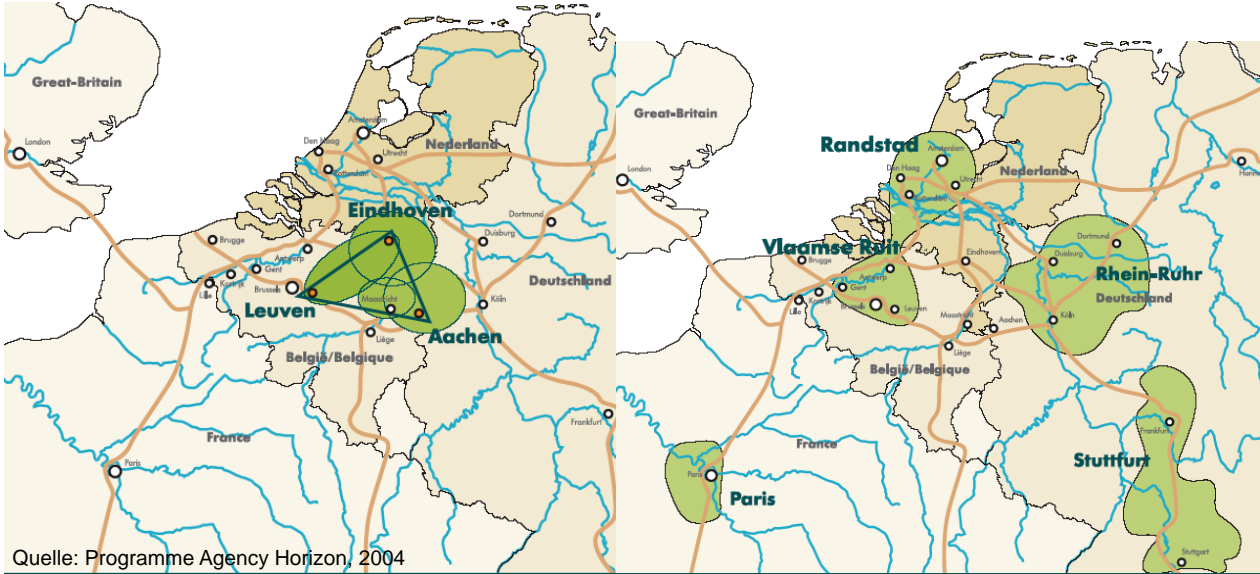
## Sichtbarmachen. Wo liegt meine Region?



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# Sichtbarmachen. Wo liegt meine Region?



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 visioning  
 experiencing mega-city  
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Edited by  
 Alain Thierstein, Agnes Förster

Lars Müller Publishers

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# Metropolregion Rheinland

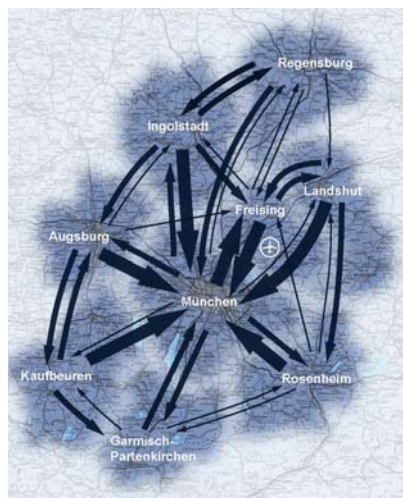
Auftakt des Formatierungsprozesses am 30. April 2015

Regierungspräsidentinnen  
Anne Lütkes und Gisela Walsken

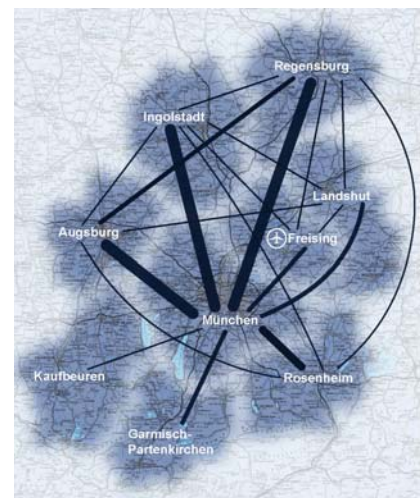
## Metropolregion: unterschiedliche Lesarten



**administrativ**

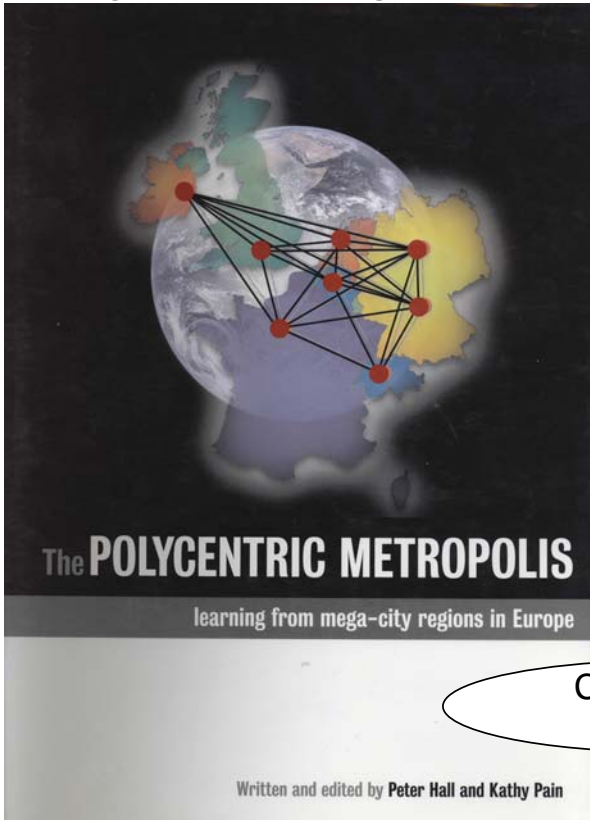


**funktional, physisch**



**funktional, nicht physisch**

# Mega-City Regions, what are they?



„Mega-City Regions are a series of anything between 10 and 50 cities and towns physically separated but functionally networked, clustered around one or more larger central cities, and drawing enormous economic strength from a new functional division of labour“

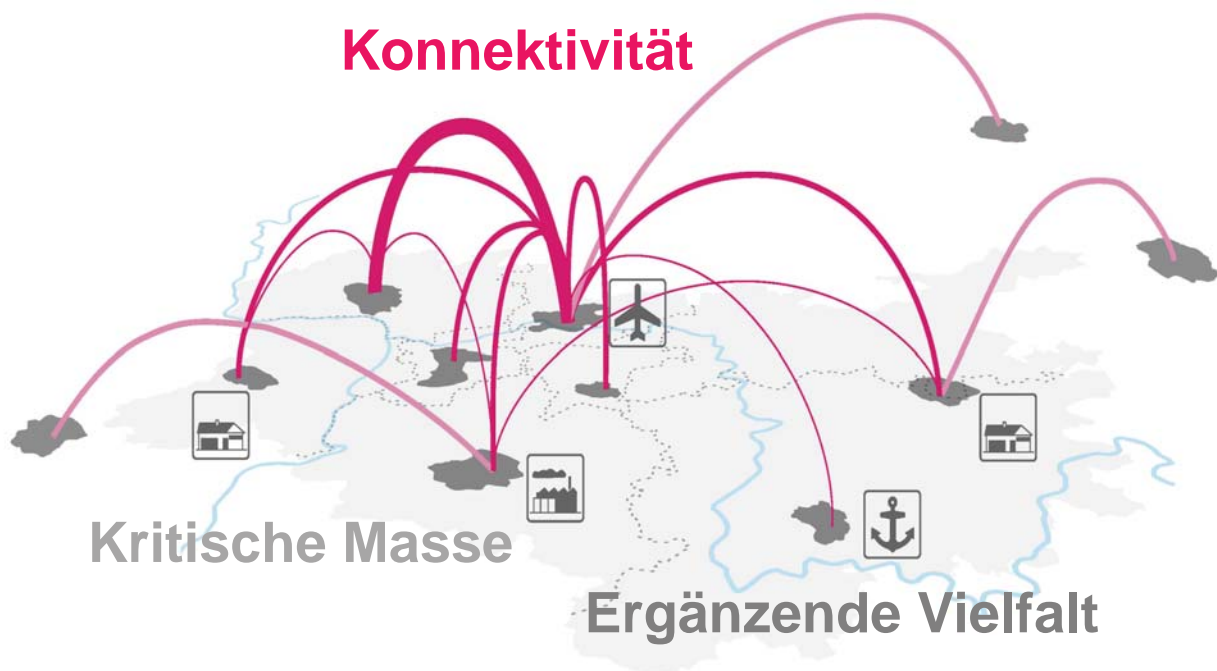
(Hall & Pain 2004)

Critical mass

Connectivity

Competitive advantage

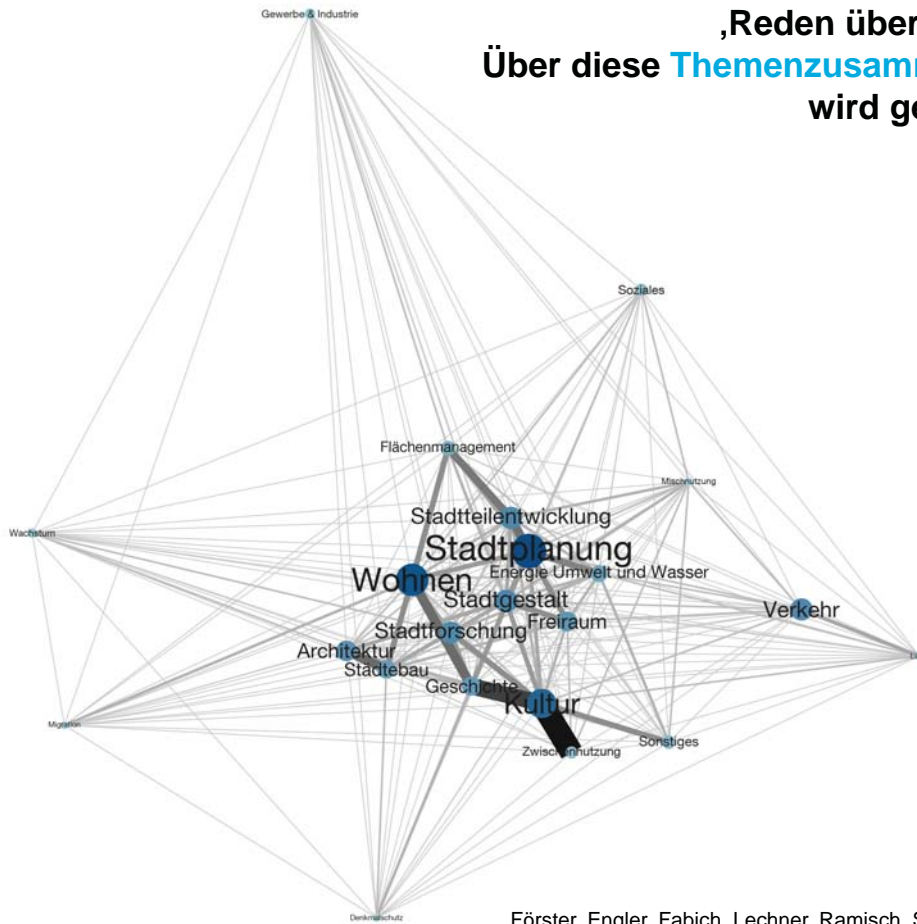
## «Polyzentrische Kompetenzregion»



**Was? Wo? Wer? Wie?**

**Was? Wo? Wer? Wie?  
Zu welchem Preis?**

**„Reden über die Stadt“  
Über diese **Themenzusammenhänge**  
wird gesprochen**



Förster, Engler, Fabich, Lechner, Ramisch, Schöpf, Toy (2015)

**STADTPLANUNG  
WOHNEN  
KULTUR  
STADTGESTALT  
STADTTEILENTWICKLUNG  
VERKEHR  
STADTFORSCHUNG  
ARCHITEKTUR  
FREIRAUM  
GESCHICHTE  
STÄDTEBAU  
ENERGIE, UMWELT & WASSER  
FLÄCHENMANAGEMENT  
SONSTIGES  
ZWISCHENNÜTZUNG  
SOZIALES  
GEWERBE & INDUSTRIE  
WACHSTUM  
MISCHNÜTZUNG  
MIGRATION  
DENKMALSCHUTZ**

**„Reden über die Stadt“  
Ranking der **Themen****

Förster, Engler, Fabich, Lechner, Ramisch, Schöpf, Toy (2015)

# Knowledge economy shapes spatial structure

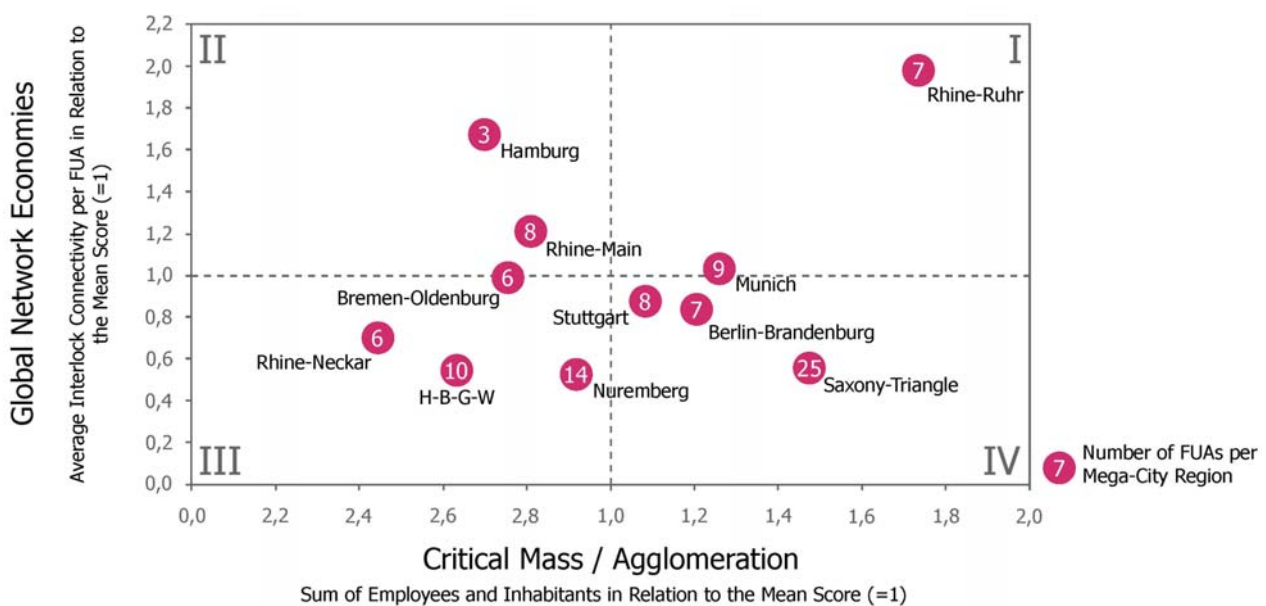
## **Entwicklungstreiber: Wissensökonomie**

“The knowledge economy is this part of the economy, in which highly specialized knowledge and skills are strategically combined from different parts of the value chain in order to create innovations and to sustain competitive advantage”.



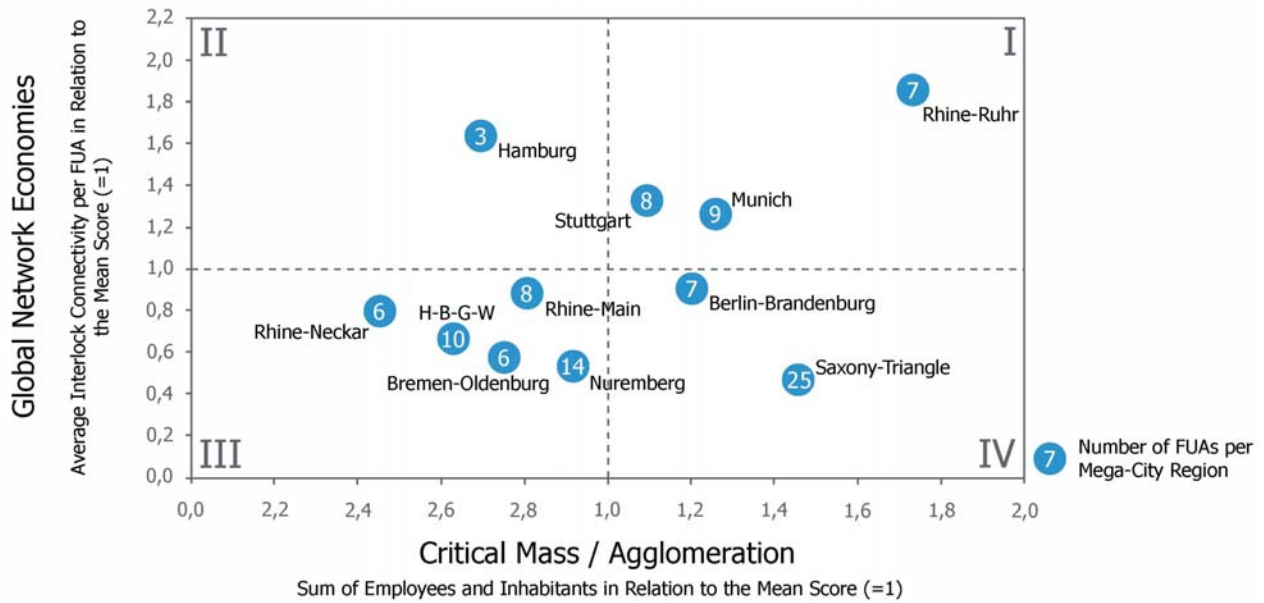
# Re-Scaling: lokale Konzentration und internationale Vernetzung

Wettbewerbsfähigkeit.  
Elf Metropolregionen in Deutschland  
wissensintensive Dienstleister



Source: Lüthi 2011

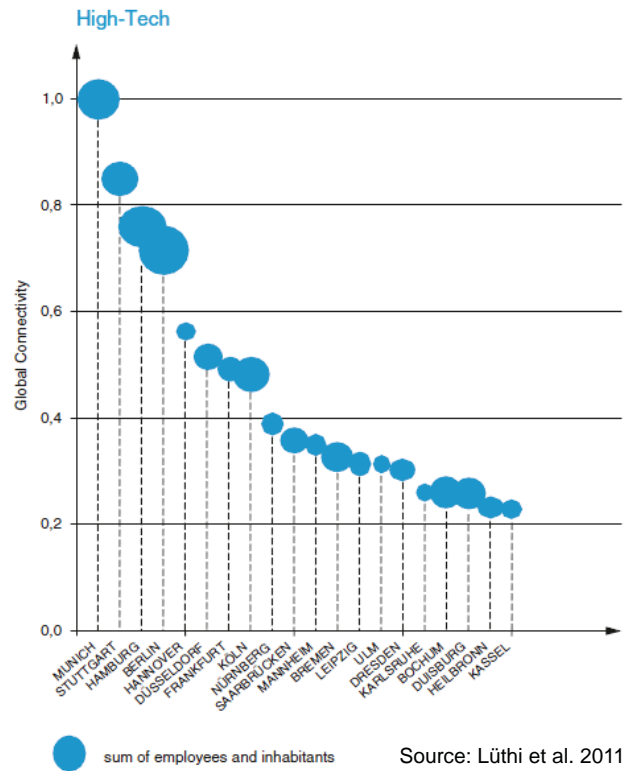
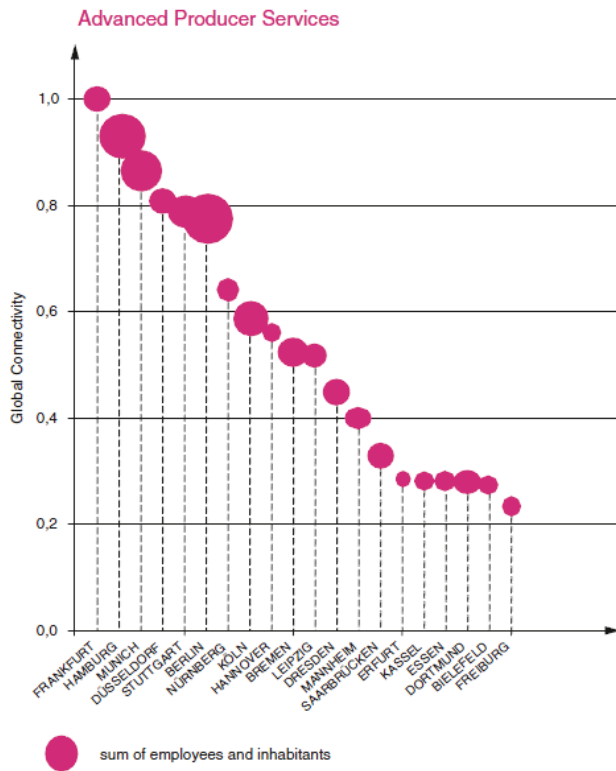
Wettbewerbsfähigkeit.  
 Elf Metropolregionen in Deutschland  
 wissensintensive Produktion (High-Tech)



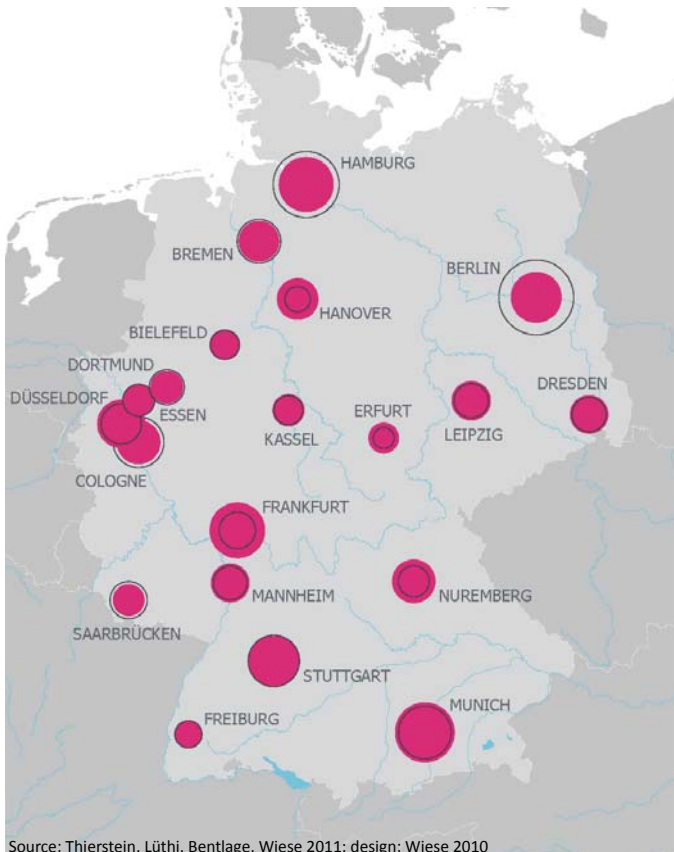
Source: Lüthi 2011

Attracting talents

# The functional-urban hierarchy global locations

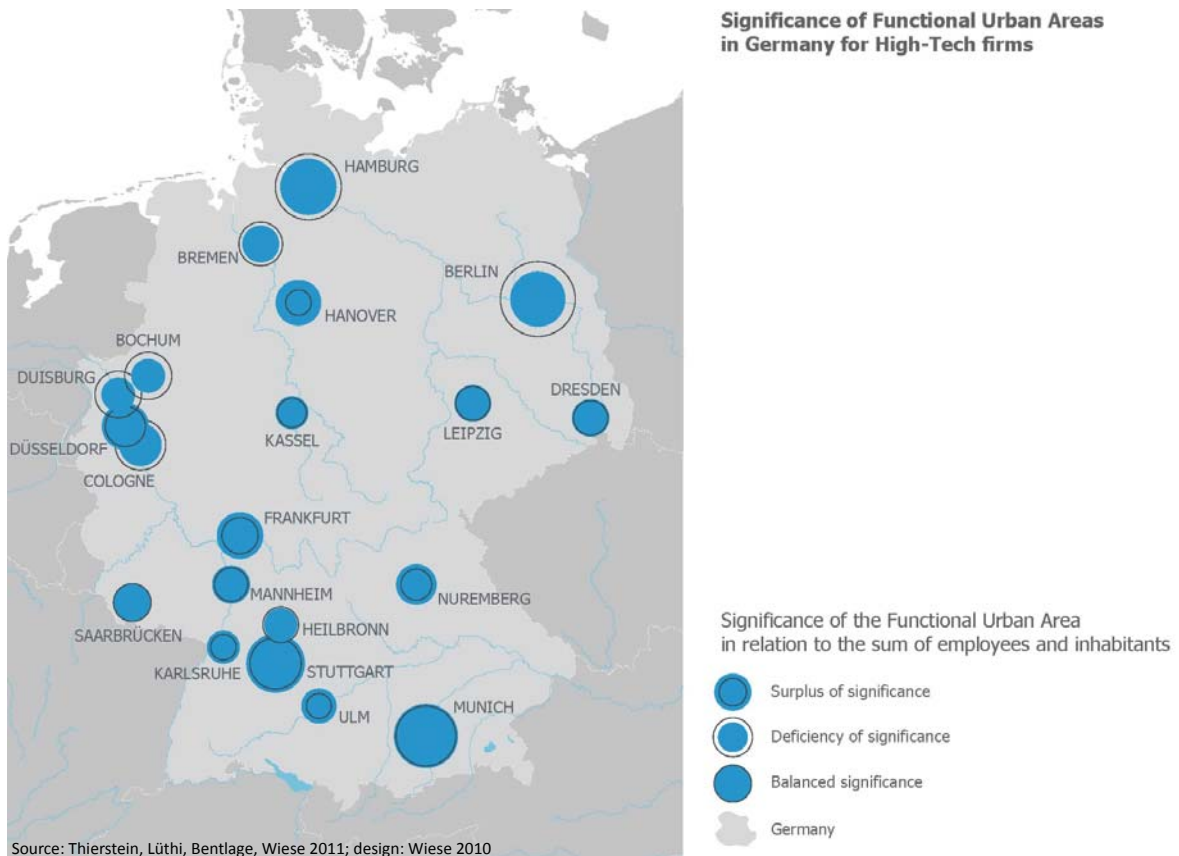


Source: Lüthi et al. 2011



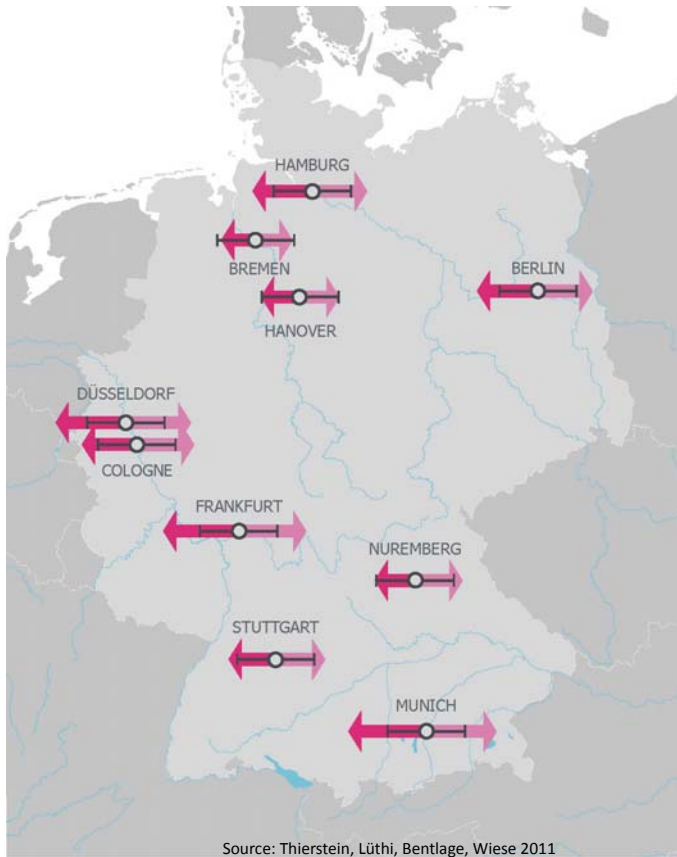
Source: Thierstein, Lüthi, Bentlage, Wiese 2011; design: Wiese 2010

## Significance of Functional Urban Areas in Germany for High-Tech firms



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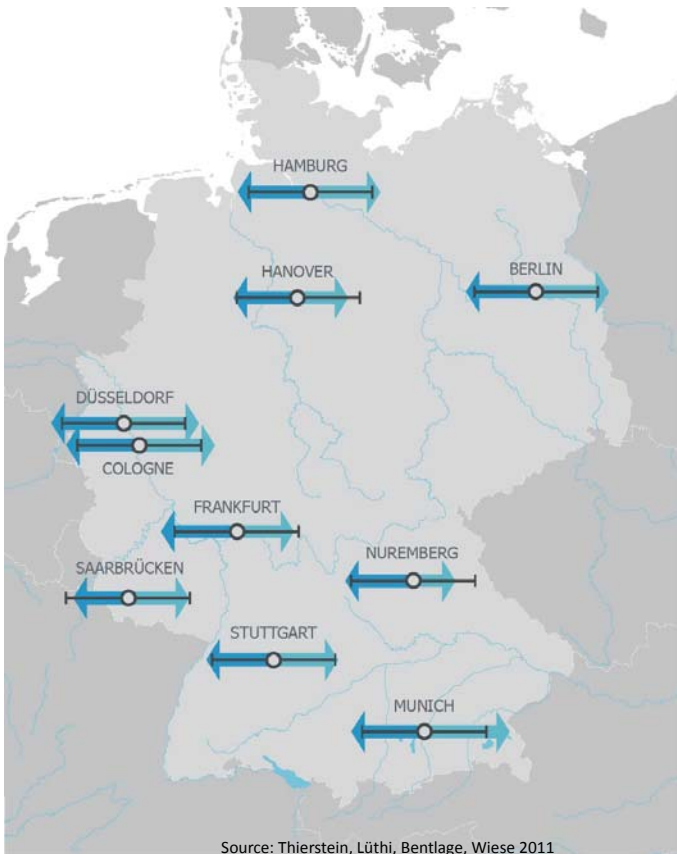
# Gelebte und geographische Nähe



**Global connectivity to the old and the new world for Advanced Producer Services firms**

Traditional and new globalism for the top 10 FUAs in Germany with the highest interlock connectivity

- Traditional Globalism
- New Globalism
- Average connectivity of all FUAs in Germany to New York and London
- Average connectivity of all FUAs in Germany to Beijing, Hong Kong and Shanghai



**Global connectivity to the old and the new world for High-Tech firms**

Traditional and new globalism for the top 10 FUAs in Germany with the highest interlock connectivity

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## Konnektivität von Städten. 2000 und 2008

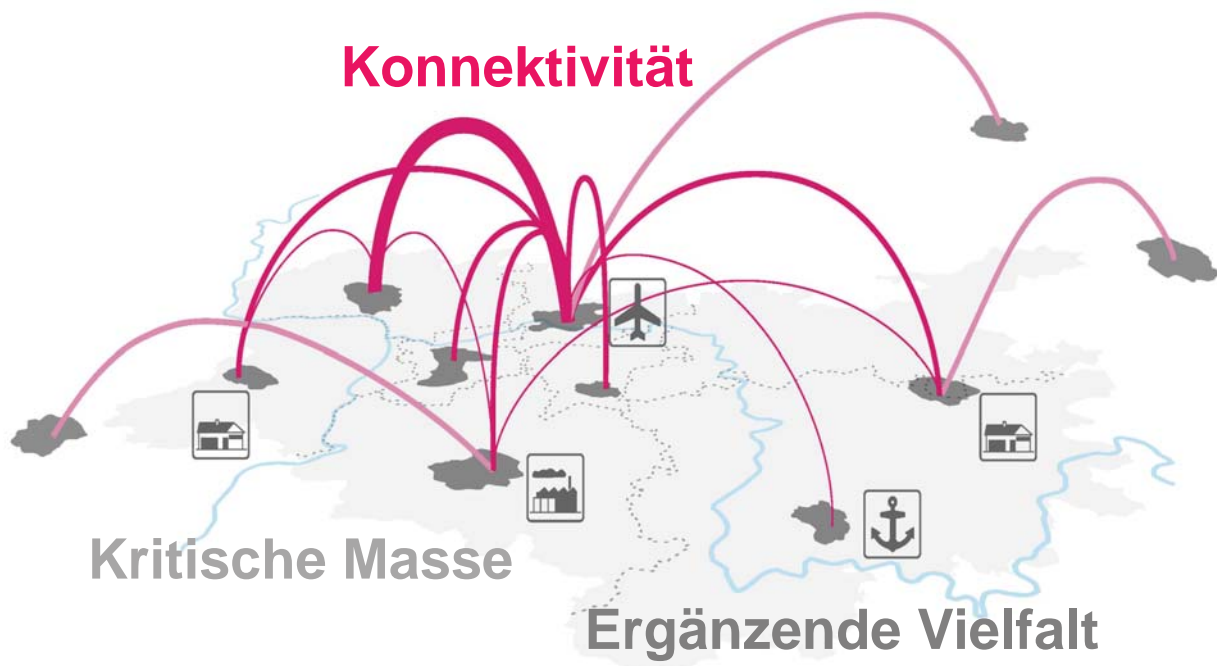
### Deutsche Städte rutschen ab

2000			2008		
Rank	City	GNC	Rank	City	GNC
1	London	100.00	1	New York	100.00
2	New York	97.10	2	London	99.32
3	Hong Kong	73.08	3	Hong Kong	83.41
...			...		
12	Frankfurt	57.53	31↓	Frankfurt	51.58
...			...		
46	Düsseldorf	37.83	73↓	Düsseldorf	30.85
...			...		
50	Munich	36.54	61↓	Munich	35.18
...			...		
86	Cologne	22.54	129↓	Cologne	14.67

Source: Derudder, Hoyler, Taylor and Witlox (2011)

**S,M,L,XL?**  
**Chancen,**  
**Kosten, Prozess**

# S,M,L,XL – Chancen, Kosten und Prozess

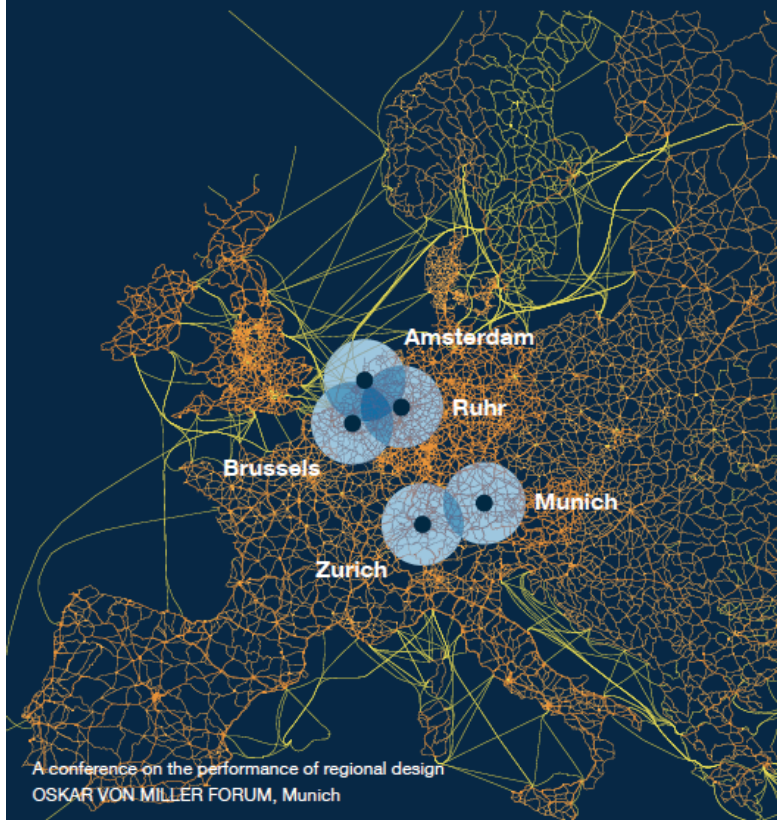


- Agglomerations-, Netzwerkeffekte und kritische Masse machen's  
Aber: Welche Mischung bringt's?
- Kritische Masse?  
Dichte; Vielfalt von Kompetenzen & Angeboten; Nachfrage
- Konnektivität?
  - physisch: Infrastrukturen der Erreichbarkeit
  - nicht-physisch: Unternehmens-Vernetzung & Reichweite
- Ergänzende Vielfalt?  
Das eine kommt zum nächsten; was, wenn es das nicht tut?
- Was steuert Gesellschaft?  
Geld, Macht, Recht > zuviel oder zuwenig?
- Prozess?  
from small things big things come!



- Club der ‚Handlungswilligen und Innovatoren‘

14th-15th October 2015  
**Shaping regional futures**  
Mapping, designing, transforming!



The image shows a network map of Europe with a dark blue background. A dense web of yellow and orange lines represents connections between various locations. Five specific regions are highlighted with blue circular nodes: Amsterdam, Ruhr, Brussels, Zurich, and Munich. The TUM logo is in the top right corner.

**TUM**

Amsterdam  
Ruhr  
Brussels  
Zurich  
Munich

A conference on the performance of regional design  
OSKAR VON MILLER FORUM, Munich