

A complex network diagram with numerous nodes and connecting lines, rendered in light blue and white, serving as a background for the slide.

Future perspectives for the Munich Metropolitan Region an integrated mobility approach

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Transforming Urban Mobility

Munich, 6th June 2016

Outline

- Background: Munich Metropolitan Region
- Web-Survey on Residence, Work, Mobility
- Empirical Findings: Focus on Mobility
- Policy Implications

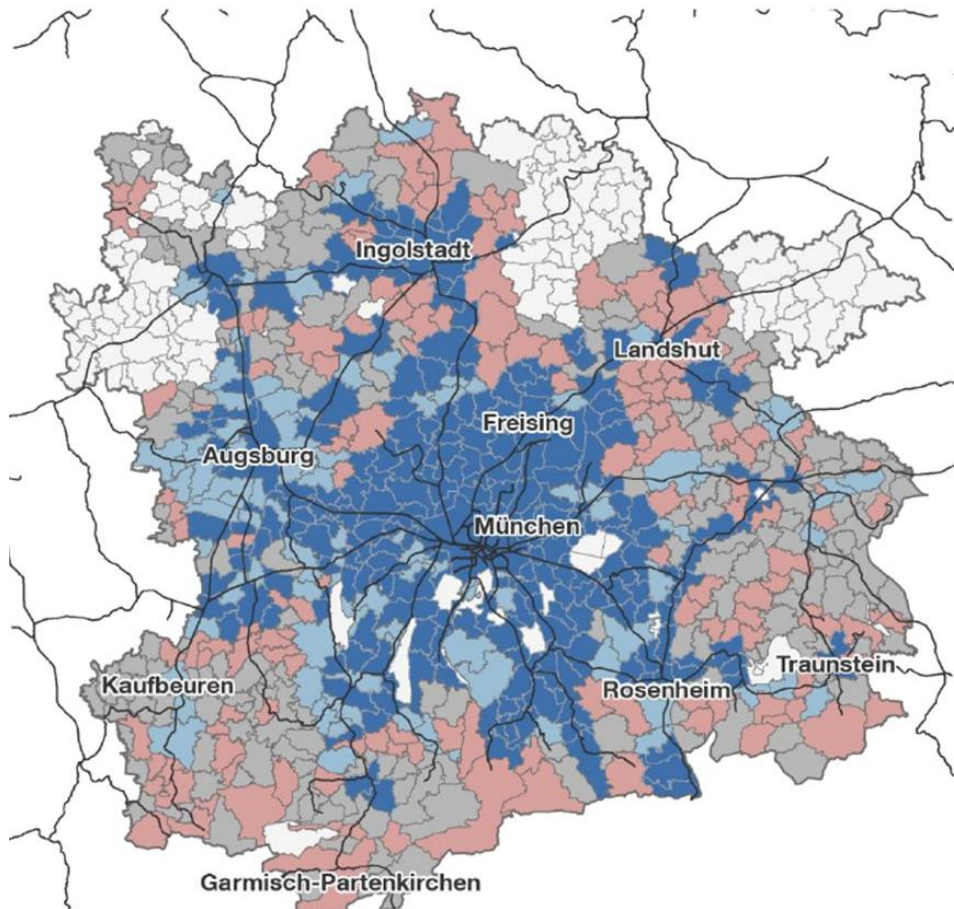
Background: Munich Metropolitan Region

Spatial Analysis

- High **accessibility** in centers
- Dense **urban development** vs. second and holiday homes near the Alps
- **Immigration**, at the same time high **fluctuation**
- **Transport networks** under strain

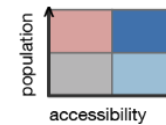
Municipal organizations in the Munich Metropolitan Region form the basis of consideration. The data is extracted from the official statistics.

Demographic Development and Accessibility



- main public transport network
- ~ Munich Metropolitan Region

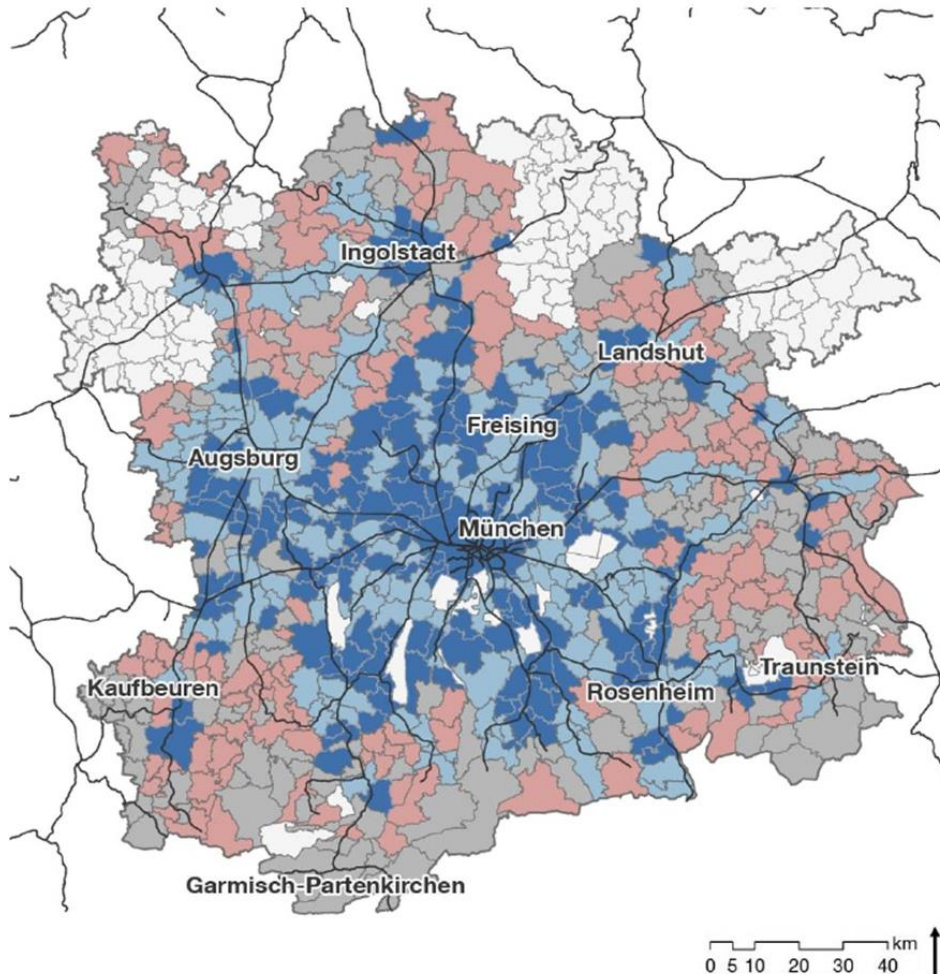
Demographic Development and Accessibility of Workplaces



- municipal boundaries

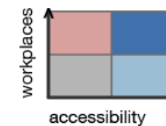
Source: Bayerisches Landesamt für Statistik 2015
GeoBasis-DE / BKG 2013

Workplace Development and Accessibility



- main public transport network
- ∩ Munich Metropolitan Region

Workplace Development and Accessibility to Population



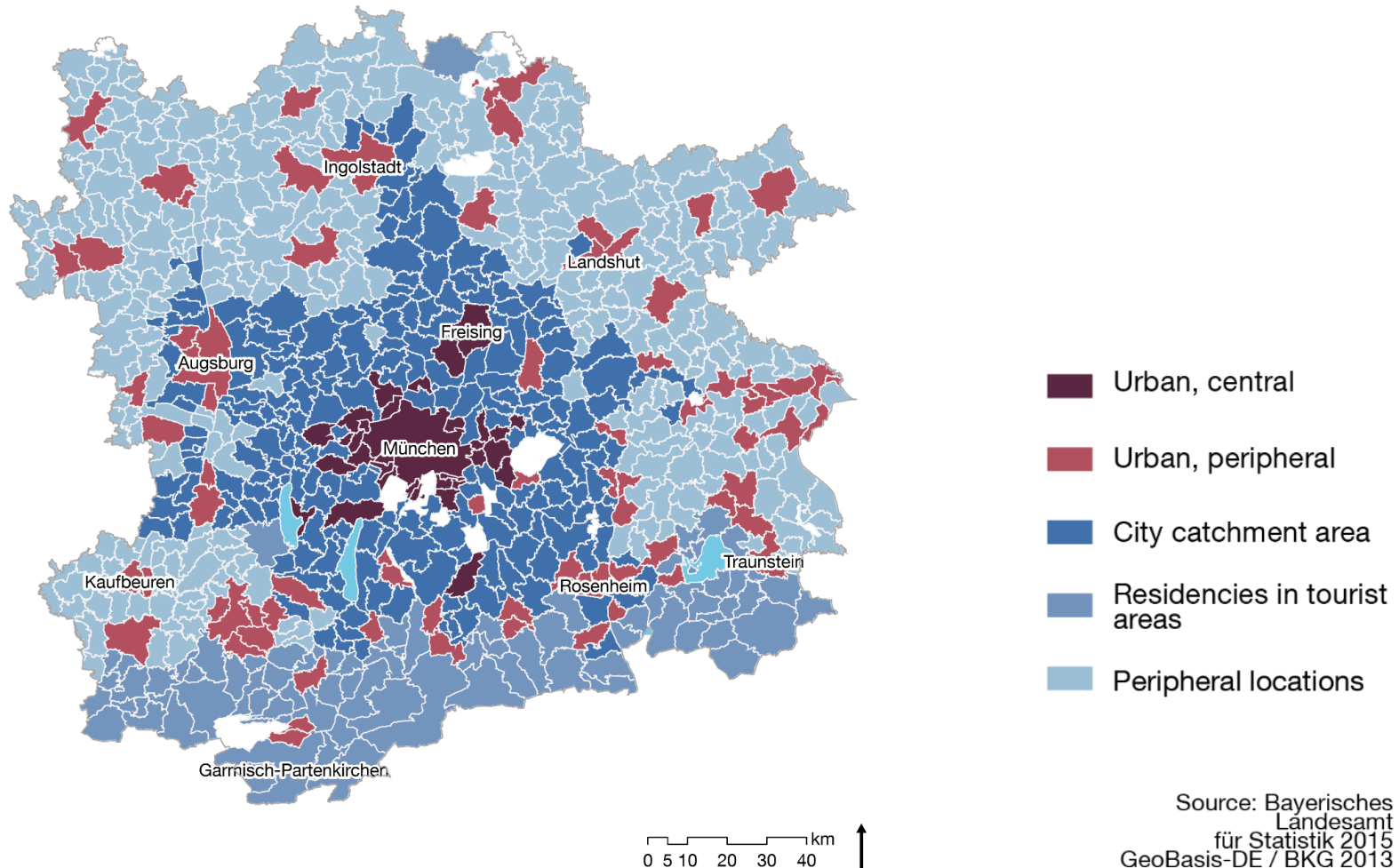
- municipal boundaries

Source: Bayerisches Landesamt für Statistik 2015
GeoBasis-DE / BKG 2013

Elements of Structural Analysis

- **Accessibility:** MIV, PT, net commuter flow
- **Settlement structure:** population and employment density
- **Amenities:** shopping, recreation, culture, schools
- **Accommodation costs:** rent and buying price
- **Building structure:** detached and semi-detached houses, rent and ownership
- **Tourism:** percentage of holiday homes

Spatial Typology of the Munich Metropolitan Region



Web-Survey on Residence, Work, Mobility

Structure of the Survey

Present situation

- Residence
- Work
- Mobility

Search Process

- Reasons for relocation
- Alternative locations

Previous Situation

- Residence
- Work
- Mobility

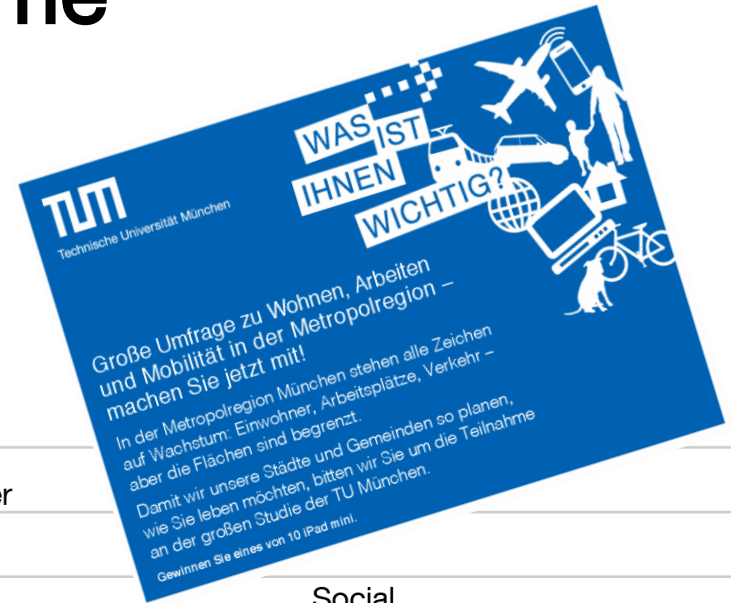
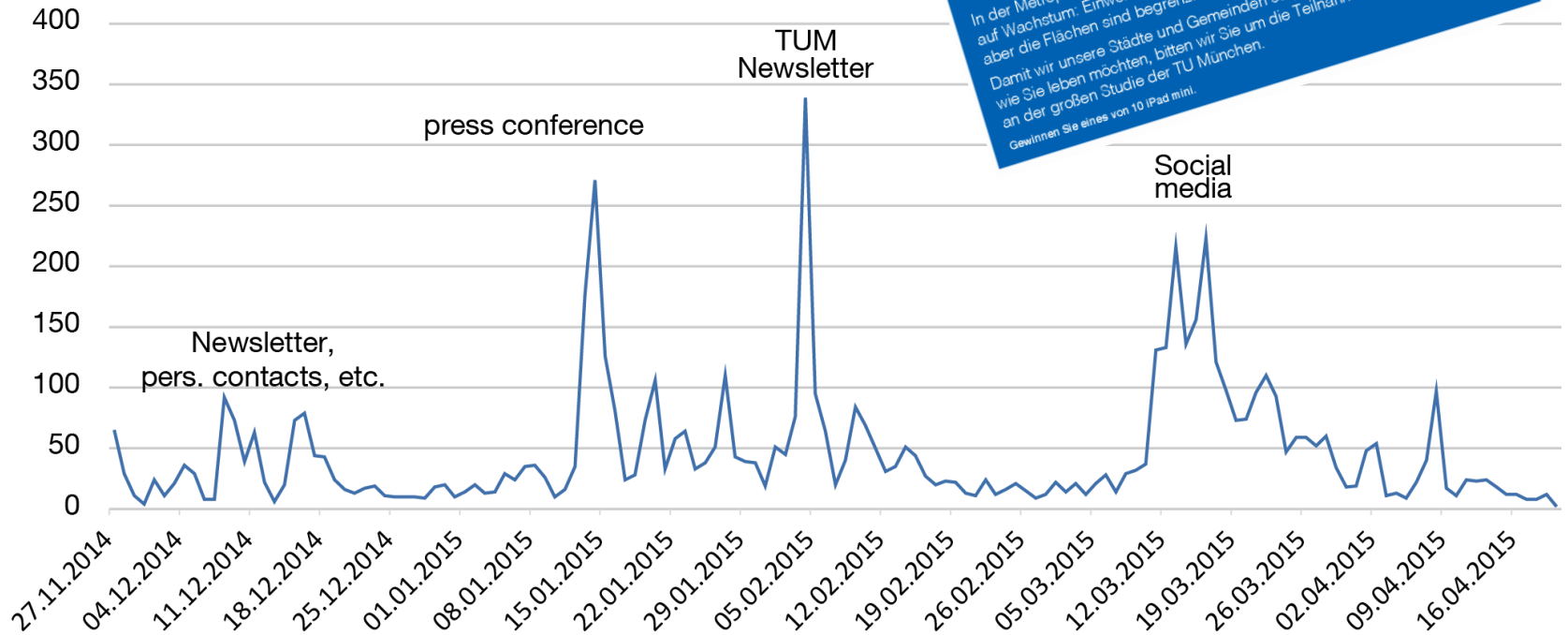
Household structure

- Household members
- Income
- Age and education



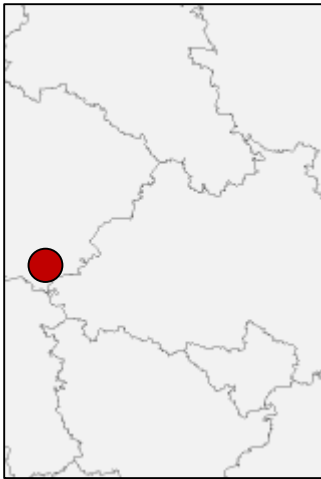
Response Rates over Time

Total of 7302 respondents



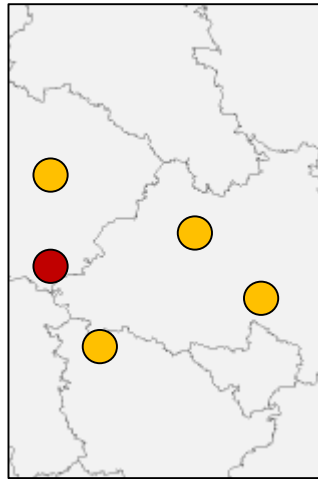
Revealed Preferences

Previous Place of Residence



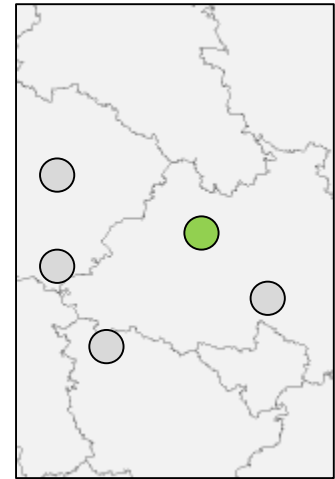
t_{-2}

Alternatives



t_{-1}

Present Place of Residence




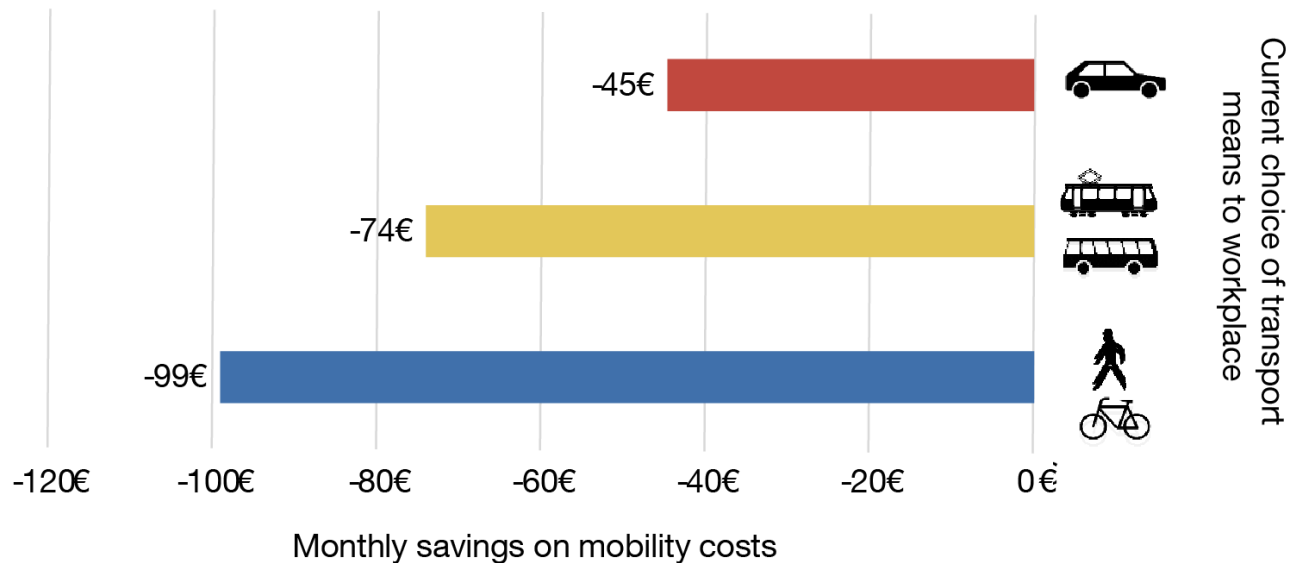
t_0

Empirical Findings: Focus on Mobility

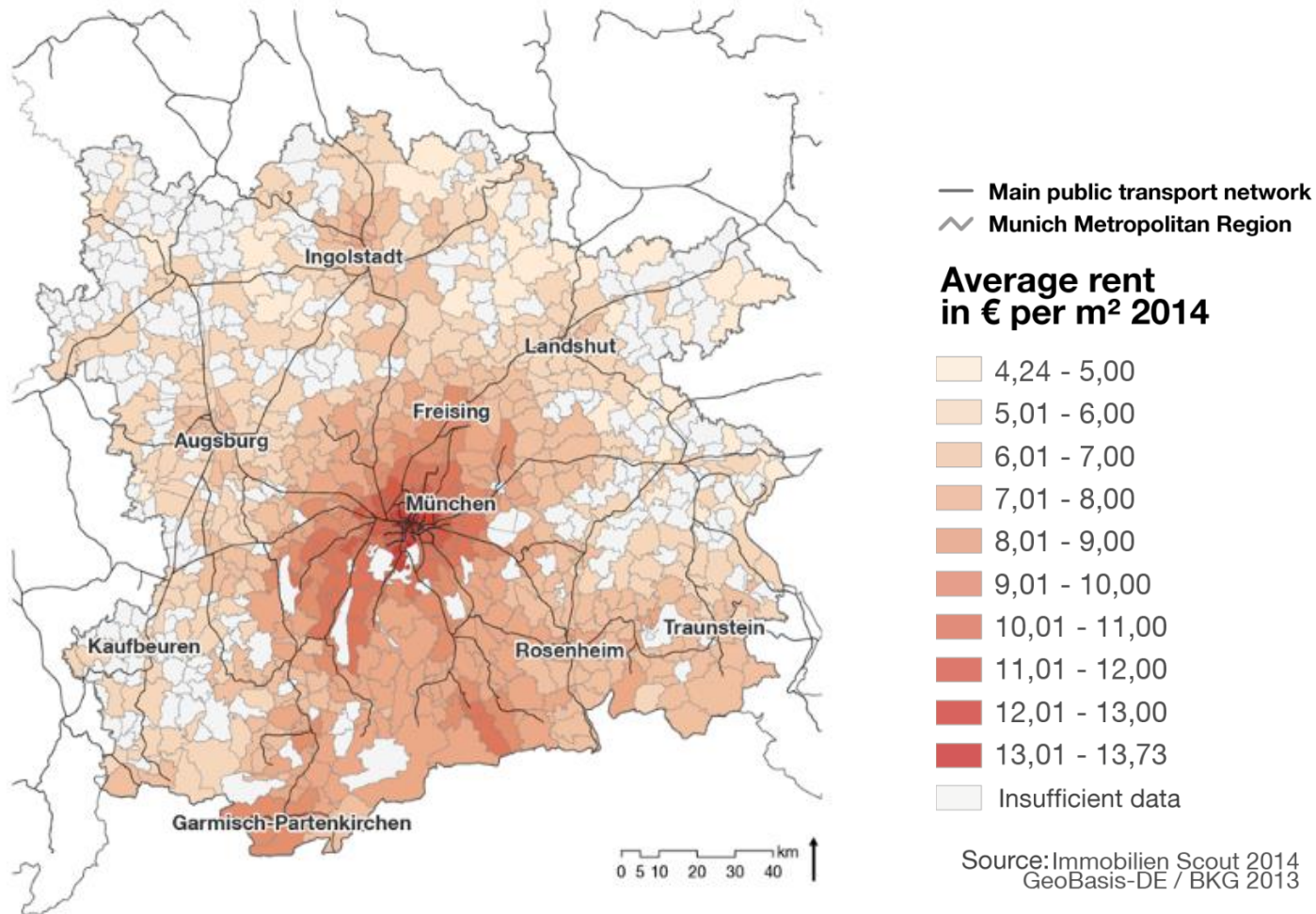
Significant Savings on Duration and Costs of Commute

- Change of duration - 33%
- Change of mobility costs: - 25%

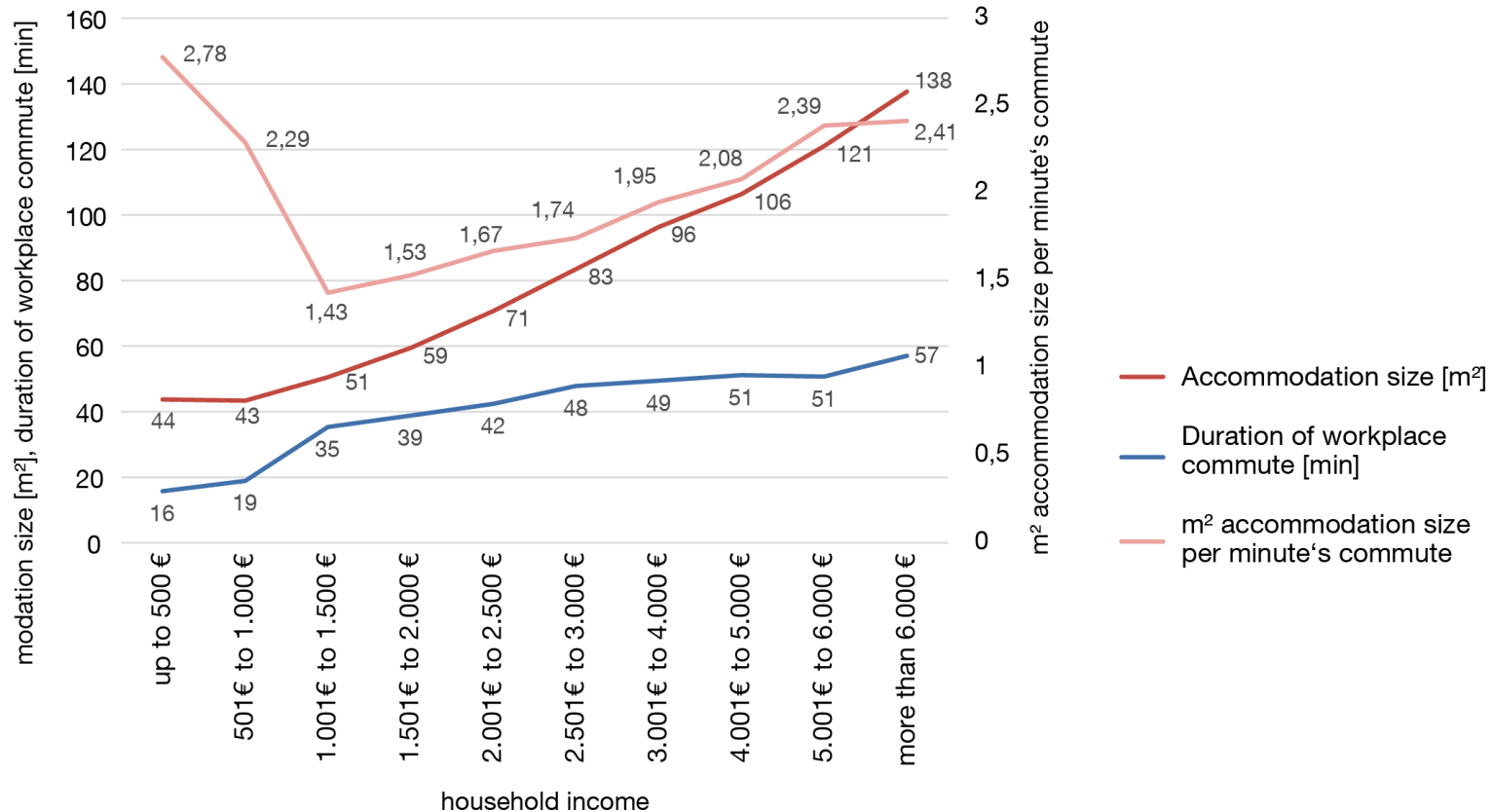
Former choice of transport means to workplace 



Average rent in € per m² 2014



Commuting Distance Is Not Desirable, But Accommodation Size Is More Important



Policy Implications

Policy Implications

Providing affordable housing in central locations

Fostering integrated nodes and polycentrism

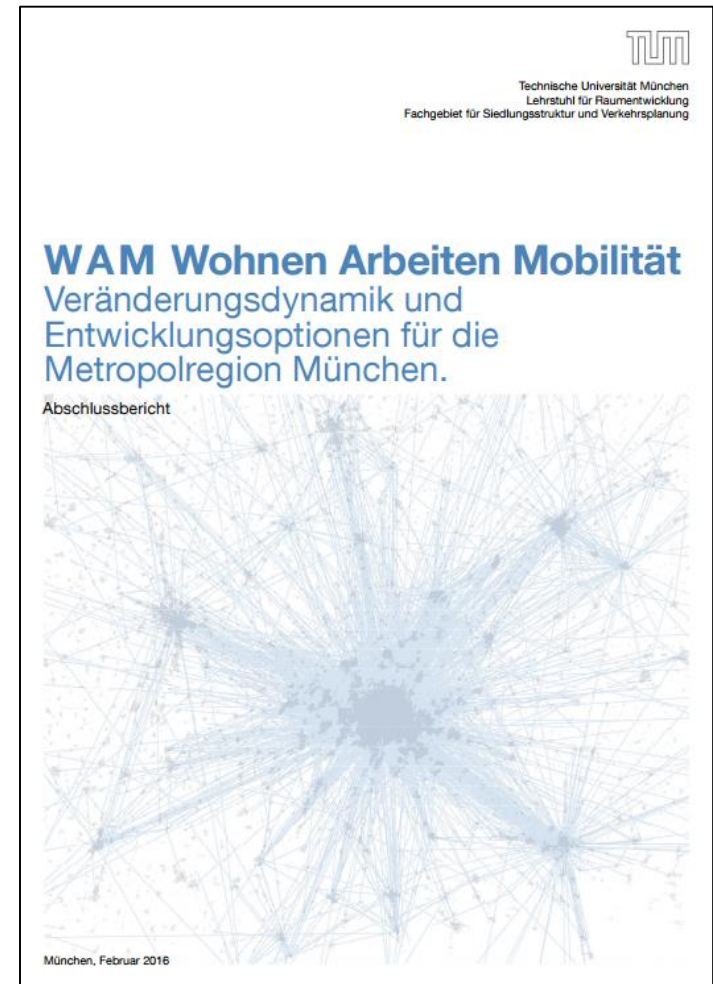
Enhancing intercommunal cooperation

Questions?

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You can find an English summary of the report at www.wam.tum.de