

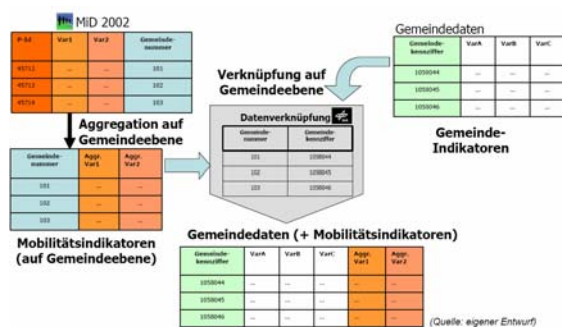
Mobility in suburban areas

The travel patterns in suburban areas were subject of a research sponsored by the German federal ministry of transport and housing BMVBW (in cooperation with the IÖR, Dresden, lead partner and the IRS, Erkner).

Background

Two main approaches were relevant in the discussion of land use patterns during the 1990s – the concept of the ‘compact city’ and the concept of polycentric concentration. Aim of the study was a critical review of national and international discussions on approaches of the design of land use patterns in context of mobility and transport. As a result recommendations for further development of land use approaches should be given.

Methodology



The methodological approach was divided into three stages on different spatial levels. At first current trends of suburbanization and dispersion of population and employment in Germany were investigated on a large (nationwide) scale.

The second spatial level investigated were certain urban agglomerations. In total 142 municipalities in suburban areas were analysed. A combined analysis of aggregated (e. g. urban structure, commuting) and

disaggregated travel behaviour data on household and individual level was conducted. Travel behaviour data from a major travel survey (‘Mobility in Germany 2002’) was used. Finally five regional case studies (urban areas surrounding the core cities of Berlin, Erfurt, Essen, Frankfurt a.M., Hannover) were investigated in more detail.

Results

The most important results include:

- by appropriate settlement structures (e.g., density, accessibility to regional centres, a railway stop) the travel distances in suburban areas decrease,
- suburbia is a heterogenous area for which we identified seven suburban community types with distinct mobility profiles, and
- from the different regional settlement dynamics (growth vs. shrinkage) the need for more regional ‘Leitbilder’ for the future development arises

Publications

Siedentop, S., S. Kausch, D. Guth, A. Stein, U. Wolf, M. Lanzendorf, R. Harbich (2005): *Mobilität im suburbanen Raum. Neue verkehrliche und raumordnerische Implikationen des räumlichen Strukturwandels*. Forschungsvorhaben 70.716 im Rahmen des Forschungsprogramms Stadtverkehr des Bundesministeriums für Verkehr, Bau- und Wohnungswesen. Abschlussbericht (verfügbar unter <http://www.ufz.de/index.php?de=3602>) (in German only)

Siedentop, S., Lanzendorf, M., Kausch, S. (2006): *Siedlungsstruktur- und Mobilitätsprofile suburbaner Gemeindetypen*. Berichte zur deutschen Landeskunde 80 (4), 415-431 (in German only)

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