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Title of the work (Working title): Rising Motorization and its Effects on Mobility Behaviour in a Megacity – A case study for Santiago de Chile

Overall project: „Risk Habitat Megacity”

Supervisors: Prof. Dr. Barbara Lenz; Prof. Dr. Martin Lanzendorf

Expected working time frame: March 2007 – August 2007

Research question:

How is the individual mobility behaviour affected by the purchase of a car in a Megacity?

Hypotheses:

The presently described topic aims at the deeper analysis of the role of increasing individual motorization and the factors favouring this development. With specific regard to the case study area of Santiago de Chile, the following hypothesizes are formulated:

1. The main factor for the rising level of private motorization is the increase of income levels in Santiago over the past years.
2. The spatial expansion of Santiago, especially at its periphery leads to an increasing demand of private vehicles.
3. An insufficient public transport system causes the rising „transfer“ of individuals to private motorized means of transportation

Methodolgy:

As the instrument of research, a quantitative approach in form of a part standardized questionnaire is applied. The basis of the research is given by literature research. In advance of the survey, Santiago will be categorized in order to determine areas of research. The selection criteria for the survey areas are predominant socioeconomic characteristics such as income, rates of car-ownership or accessibility conditions, particularly related to public transport. The goal of the categorization is to identify areas that have “transferred” towards the automobile just recently.

The survey’s objective will be to ascertain the motivation of the individuals for obtaining a car and the consequences on their mobility behaviour. Furthermore the study’s purpose will be to find out, if mobility behaviour can still be affected externally.