

Urban Transition Lab 131

Overview of the Urban Transition Lab

TRANSDISCIPLINARY EXPERIMENTS

Mobility

Multimodal sustainable mobility behavior will be enabled in the city district. Alternatives to automobility for short distances will be demonstrated by an “everyday travel agency”, which also offers mobility consultation. This will be accompanied scientifically. The project team will develop alternative scenarios regarding city planning and transport technology for the transformation of a central place in the ‘Oststadt’. In addition, a traffic model for the ‘Oststadt’ will be developed to simulate potential measures and to estimate their effect.



Energy Concept

Objective is the reduction of the consumption of non-renewable energy resources in the city district. To do so, the existing energy demand will be modeled, scenarios of possible future consumption patterns will be developed, and a new energy supply concept will be analyzed and its potential determined. Technical solutions will be assessed by a dynamic simulation, and their results will be fed back to residents and CSOs.

Social Issues and the Urban Space

Objective of this participative real world experiment is the identification, analysis and development of urban spaces for encounter, movement and residence in the district. It focusses on the interplay of architectural-spatial and social quality of the local urban space, the support of leisure activities in the district, and fuel-free everyday mobility. The focus is on linear spaces, public places and networks. Another topic will be the inclusion of unaccompanied underage refugees, e.g. by organizing internships in the local economy.



Sustainable Consumption

Diverse low-threshold interventions to foster sustainable consumption have been developed, performed and analyzed: Repair café, party for exchanging clothes and exchange platform for plants. Also a study on shops with unpacked goods and a survey on aspects of sustainability in the local gastronomy have been performed.

GENERAL TASKS

Complete Survey of Buildings and Actors

Data of buildings and actors in the ‘Oststadt’ will be collected and aggregated. The precision of the data on the existing buildings and the ownership of the buildings will be essential. The data will serve for the transdisciplinary experiments of R131 and other long-term research.

Sustainability Assessment

The ‘Oststadt’ will be supported in its development to become a sustainable city district. A concept of formative sustainability assessment will be developed, based on existing sustainability assessment tools. This concept will be tested and used under real conditions in close cooperation with citizens and institutions.

Accompanying Research

An internal, formative accompanying research ensures quality and enables fine-tuning of specific activities of the Urban Transition Lab, in particular relating to equal opportunities, which is the basic condition and objective of successful participation.

SCIENCE SHOP

Future Space for Sustainability and Science

- Mobility consulting in the everyday travel agency
- Brokering energy consulting
- Workplace for scientists and other players
- Space for communication, in particular for the real world experiments
- Meeting point for active community groups

