Data4UrbanMobility: Data-Driven Mobility Services for Smart Cities

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MOTIVATION
An increasing availability of urban data holds a great potential to facilitate efficient mobility services and infrastructure. This can be facilitated through better understanding of the influence of long-term trends (e.g. e-mobility) as well as the correlation of mobility behavior with influence factors such as regional events, temporal fluctuations or weather.

GOALS
• Data-driven methods & applications for planning, development, realization and use of innovative mobility services.
• Methods for data collection, extraction, integration & analysis to predict mobility behavior and trends.
• Support innovative routing and traffic management, mobility infrastructure, planning, and individual traffic.

STAKEHOLDER
• City councils
• Providers of mobility & transportation services
• City inhabitants

TIME HORIZONS
• Short-term: efficient multi-modal navigation
• Medium-term: adaptation of mobility services
• Long-term: adaptation of city infrastructure

DATA SOURCES
• Web & Social media
• Public transportation & FCD
• Inhabitants’ feedback

PROJECT EXCHANGE
• Use cases & requirements
• Potential data sources
• Semantic technologies

http://data4urbanmobility.l3s.uni-hannover.de/