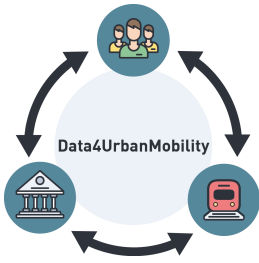


Data4UrbanMobility: Data-Driven Mobility Services for Smart Cities

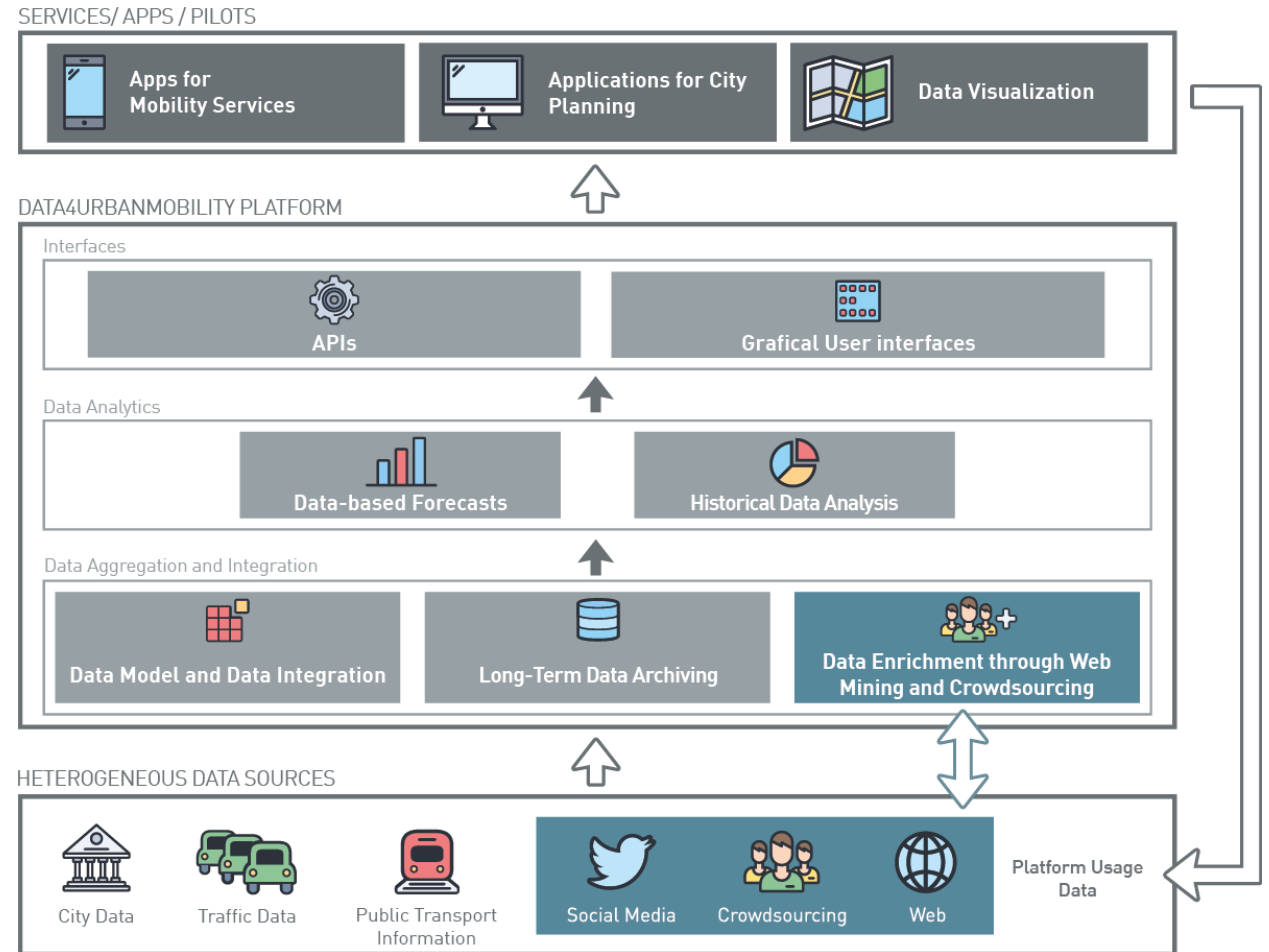
Dr. Elena Demidova



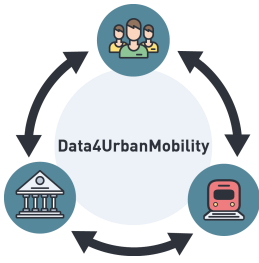
D4UM Motivation & Vision

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.



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D4UM Goals & Project Exchange

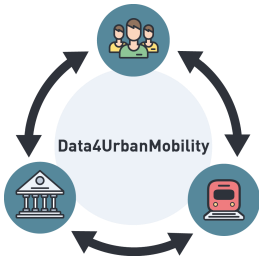
GOALS

- 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.

PROJECT EXCHANGE

- Use cases & requirements
- Potential data sources
- Semantic technologies

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D4UM Stakeholder, Time Horizons & Data Sources

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

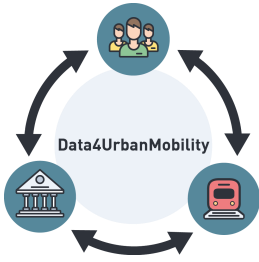
DATA SOURCES

- Web & social media
- Public transportation & FCD
- Inhabitants' feedback

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Thank you for your attention!

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