



Intermodal Mobility Assistance for Megacities



Motivation and Goals

The ever increasing urbanization has significantly aggravated the traffic situation in megacities. Common travel habits, such as using a vehicle, are challenged by factors like severe congestion, insufficient parking availabilities or present full prices. Furthermore, growing traffic entails an increased level of noise and greenhouse gases and thus affects residents even more.

The IMA project aims to utilize means of transportation in a more effective and sustainable fashion in order to increase the quality of life in cities and to contribute to global environmental objectives. In IMA, this utilization is realized by a capable assistance system which proposes intermodal travelling options which are tailored to the users' needs that are also constantly monitored.

Approach: Mobility platform and assistance

One objective of IMA is the development of an open mobility platform, where providers of mobility concepts or traffic-related information services are able to offer their services in a standardized fashion. The assistance system accesses these services and uses semantic annotations to calculate individual travel recommendations. These recommendations are communicated to users by means of multimodal interfaces. The assistance systems continuously observes the trajectory of the user and traffic related data and is thus able to notify users in case of unexpected route deviations or sudden traffic disturbances. Impacts of infrastructural changes can be predicted by an additional simulation component. Another very important aspect in IMA is to ensure data security and privacy.

PROJECT OVERVIEW

PROJECT TITLE

Intermodal Mobility Assistance for Megacities

WHAT IS IT ABOUT?

With the application "IMA" you may calculate any route with specific criteria. These criteria are for example especially cost saving, low-polluting, or time-saving. Thereby, several combinations of mobility services are reconsidered.

RUN-TIME

10/01/2012 to 09/30/2015

PROJECT MANAGER

Dr.-Ing. Jan Keiser
E-MAIL jan.keiser@dai-labor.de
PHONE +49 (0) 30-314 74032

PROJECT-URL



<http://gt-arc.com/projects/ima>

BUZZWORDS

Intermodal (combination of means of transport) mobility, route calculation, generate mobility recommendations in real time, combination of mobility services, route assistance and adaptation, traffic flow analysis

SPONSOR



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