

## German Mobility Prize Goes to KIT Project

HIGH-TOOL project helps understand long-term impacts of transport policy measures on economy, society, and environment / price awarded at the Federal Ministry of Transport in Berlin



*Motorways and alternative transport options such as railways, waterways, and air routes are modeled with HIGH-TOOL to support political decision-making. (Illustration: KIT)*

The “HIGH-TOOL” project is one of the winners of the German Mobility Prize 2017. In the award ceremony held at the Federal Ministry of Transport and Digital Infrastructure, the prize was conferred on the Karlsruhe Institute of Technology (KIT) and its partners from five countries for their “HIGH-TOOL” project by Parliamentary State Secretary Dorothee Bär and Ute Weiland, Director of the “Germany – Land of Ideas” initiative. Coordinated by KIT, a planning tool to forecast the quantitative impacts of transport policy measures on economy, society, and environment was developed for the EU.

“Alongside strong national and international partners, KIT conducts research on the challenges the society is facing with respect to energy, mobility, and information,” said Professor Holger Hanselka, President of KIT. “The fact that the German Mobility Prize has been awarded to the HIGH-TOOL project underlines that we are on the right track when it comes to making excellent contributions.”



*KIT Mobility Systems Center:  
Solutions for tomorrow's mobility*

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“Germany is the number one mobility country! With the German Mobility Award, we are promoting moving innovations made in Germany, because with the best ideas, we will become a trailblazer for Mobility 4.0,” said Alexander Dobrindt, the German Federal Minister of Transport and Digital Infrastructure, on the occasion of the award presentation ceremony to HIGH-TOOL and the other prize winners.

The model (strategic high-level transport model) developed within the HIGH-TOOL project of the EU allows computerized modeling of transport policy measures and their impacts. With this tool, the Directorate-General for Mobility and Transport (DG MOVE) of the European Commission is provided a quantitative instrument to assess the impact of transport policy measures on economy, society, and the environment for decades. HIGH-TOOL can be applied to strategically assess and preselect options for analysis using more detailed models.

“Being awarded the German Mobility Prize is, of course, a stimulus for the entire project team to continue applying and further developing this instrument,” the project coordinator, Dr. Eckhard Szimba, who heads the respective working group at the Chair for Network Economics of KIT’s Institute for Economic Policy Research (ECON), says with delight. In addition, the award of the German Mobility Prize to an EU project highlights the synergies existing between European transport research and national transport research and policy.

“HIGH-TOOL” is a particularly user-friendly OpenSource software. Any strategy simulation is accompanied by an assessment report that lists major results in the form of Excel tables and diagrams.

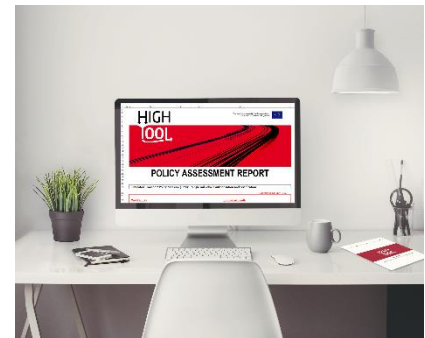
Under the 7<sup>th</sup> Research Framework Program, the European Union funded the HIGH-TOOL project with about EUR 2.5 million. A total of eight partners from Germany, the Netherlands, Belgium, Spain, and Hungary were involved. KIT coordinated the project, additionally participated in all development areas, and was responsible for the passenger demand model.

More information is available at:

[www.deutscher-mobilitaetspreis.de/hightool](http://www.deutscher-mobilitaetspreis.de/hightool)

[http://www.kit.edu/kit/english/pi\\_2017\\_023\\_high-tool-supports-transport-planning-in-europe.php](http://www.kit.edu/kit/english/pi_2017_023_high-tool-supports-transport-planning-in-europe.php)

<https://www.high-tool.eu/>



*The HIGH-TOOL model enables computerized modeling of transport policy measures and their impacts. (Picture: KIT/HIGH-TOOL)*

## About The German Mobility Prize

Created by the "Germany – Land of Ideas" initiative and the Federal Ministry for Transport and Digital Infrastructure (BMVI), the German Mobility Prize is intended to showcase digital innovation for intelligent mobility solutions – and generate new momentum for Germany as a digital location. This competition focuses on demonstrating the opportunities that arise from innovative digital solutions for tomorrow's mobility.

The jury selected the 10 winners of the 2017 award from about 170 submissions. They all show how the digital transformation of mobility can be advanced to enable even more intelligent and safe ways for transporting people and goods in the future. HIGH-TOOL and the other honored projects thus are shining examples for Germany as a center of business and research excellence.

[www.deutscher-mobilitaetspreis.de](http://www.deutscher-mobilitaetspreis.de)

### More about the KIT Mobility Systems Center:

<http://www.mobilitaetssysteme.kit.edu>

**Karlsruhe Institute of Technology (KIT) pools its three core tasks of research, higher education, and innovation in a mission. With about 9,300 employees and 25,000 students, KIT is one of the big institutions of research and higher education in natural sciences and engineering in Europe.**

### KIT – The Research University in the Helmholtz Association

*Since 2010, the KIT has been certified as a family-friendly university.*

Photos of the event will be provided shortly at [www.kit.edu](http://www.kit.edu) or may be requested by mail [presse@kit.edu](mailto:presse@kit.edu) or phone (+49 721 608-47414). The photo may be used in the context given above exclusively.