

iv2splus INFONET

ways2go, 3. Call (2010)

KOMOD

The project KOMOD will lay the standardised basis for an Austrian Mobility Survey, including surveys made by the federal provinces. Brand new as well as traditional survey methods and technologies will be assessed and combined to several modular survey scenarios, including the pros and cons and the appropriate framework. Defined quality criteria grant excellent representative results of the mobility survey and also the comparison to former mobility surveys. The result is documented in form of a "Manual of Standardized Mobility Survey in Austria".

KOMOD is tailored especially at the „accompanying study“, a "Concept of an Austrian Federal Mobility Survey, including innovative and technology-based design" (theme 4 of the current iv2splus / ways2go tender). The last Austrian-wide mobility survey dates from 1995. Missing current mobility data impose a serious dilemma on all transport surveys, as transport prognoses 15-year into the future must be made to characterise present traffic conditions and mobility behaviour.

The 1995 mobility survey used paper- and telephone-based classic survey methods (Kontivdesign) with delivery to and picking up of the questionnaire at the household, where respondents were selected randomly and then asked to fill in their trips into a trip diary on a given date. GPS- and GSM-based survey methods are in the meantime assessed in various studies and also some countries use GPS data-logger for their national surveys. Numbers of trips, distances travelled and routing is more accurate than in Kontiv trip diaries, but it is not yet solved satisfactory, how to collect the data of trip purposes and the modes of transport, which can be derived from trip characteristics. Also the risk of technical failure must be considered during the running survey and in data manipulation. A problem of surveying with such a technology to be solved includes the technical reliability in the stages of surveying and data analysis as well as the reduced willingness of target persons to participate in comparison with traditional surveying techniques because of data protection reasons. Pros and cons of traditional and new survey methods are x-rayed, aggregated to feasible data collection concepts and recommended accordingly. A data catalogue with future oriented ambitions, like social environment, lifestyle, gender aspects etc. are included and will be documented in a "Manuel for Mobility Surveys in Austria". An important content is the development of a future-oriented data-catalogue under consideration social-political objectives (social background and life style, gender-mainstreaming aspects etc.), technological possibilities for collection of mobility data as well as sampling, GISapplications, data-weighting, data-updating and archiving, organisational issues of carrying out, financing and data availability etc. Important aspects of representativeness and comparability of the results of the newly planned survey are discussed: achieving the highest response rate possible is of utmost importance to reproduce the mobility behaviour of the complete social strata quantitatively and in high quality as well. It will be analysed, how multiple possibilities of survey methods can be combined with affordable effort and limiting costs, also in the view of data privacy protection. Some Austrian provincial states conduct their own mobility surveys on a regular basis, it is important to standardise these surveys under involvement all relevant players, in order included in the provincial surveys into the national mobility survey as well to guarantee their comparability, hence saving costs and improving the quality and disposability of data nationwide. Possibilities of a continuous mobility survey will be discussed in alternatives. The project is the foundation of a future oriented data basis, urgently needed for mobility research and transport planning in Austria.

Programme

ways2go
3. Call (2010)

Project coordination

Universität für Bodenkultur - Institut für
Verkehrswesen
O.Univ.Prof. DI. Dr. Gerd Sammer

Tel.: +43-1-47654-5301

E-Mail: verkehr@boku.ac.at

Project partners

Salzburg Research Forschungsgesellschaft
m.b.H.
DI. Karl Rehr

Tel.: +43-662-2288-416

E-Mail: karl.rehr@salzburgresearch.at

Herry Consult GmbH
Dr. Max Herry

Tel.: +43-1-5041258-

E-Mail: office@herry.at

TU Graz - Institut für Straßen- und
Verkehrswesen
Univ. Prof. Dr. Martin Fellendorf

Tel.: +43-316-873-6220

E-Mail: martin.fellendorf@tugraz.at

Karmasin Motivforschung GmbH
Dr. Helene Karmasin

Tel.: +43-(0)1-4704724-48

E-Mail: e.scharinger@motivforschung.at

Ing. Dr. Eike Wolf
Ing. Dr. Eike Wolf

Tel.: +43-1-367 85 26-

E-Mail: eike.wolf@wolf-telecom.at