

The background of the entire page is a repeating pattern of small, stylized car icons in various colors (teal, pink, brown, yellow, green, red, blue, grey, light green, cyan) and one white outline car icon. The text is centered over this pattern.

EXTERNAL COSTS OF TRANSPORT: valuation of travel time and traffic noise

**final conference of the project
Quantification of external costs of transport (TranExt)
funded by the Ministry of Transport of the Czech Republic**

**organized by
Charles University Environment Center
under the auspices of Mr. Pavel Dobeš,
Minister of Transport**

Wednesday 16 November 2011, 9:00 -17:30

**Balling's Hall of National Technical Library,
Technická 6, Prague - Dejvice**

programme

9-9:15 official welcome

Bedřich Moldan (director of Charles University Environment Center)

Luděk Sosna (head of strategy department, Ministry of Transport of the Czech Republic)

Block 1 valuation of time

9:15-10:00 keynote speech: lessons from Norwegian Value of Time study

Farideh Ramjerdi (Transportøkonomisk institutt, Oslo)

10:00-10:40 Dutch Value of Time Study: methods, obstacles and study progress

Pim Warffemius (KiM Netherlands Institute for Transport Policy Analysis)

10:40-10:55 coffee break

10:55-11:35 Valuation of Time in TranExt project

Vojtěch Máca & Markéta Braun Kohlová (Charles University Environment Center)

11:35-11:50 Econometric estimation of Value of Time from revealed preferences: The case study from Pilsen

Hana Brůhová-Foltýnová & Jan Brůha (Kolín Institute of Technology)

11:50-12:15 Valuation of time in car and public transport: stated preferences research and practical use in multimodal modelling in the Czech Republic

Jan Kašík (NDCON Ltd.)

programme

12:15-13:00 buffet lunch

Block 2 valuation of noise

13:00-13:45 keynote speech: state-of-the-art in valuation of transportation noise

Ståle Navrud (Norwegian University of Life Sciences)

13:45-14:15 valuation of transportation noise in TranExt project: a WTA approach

Jan Urban (Charles University Environment Center)

14:15-14:30 coffee break

14:30-14:50 Shadow Prices of Externalities in Transport – an empirical study on value of noise in the Czech Republic

Patrik Sieber (University of Economics, Prague) & Jan Melichar (Charles University Environment Center)

14:50-15:20 pricing model for road and rail transport

Henrik Andersson (Toulouse School of Economics - LERNA)

15:30-16:30 discussion panel on use of externalities valuation in transport planning and appraisal with representatives of public administration, business, academia and NGO's

chaired by Hana Brůhová-Foltýnová,

panelists: Luděk Sosna, Farideh Ramjerdi, Ståle Navrud, Jan Kašík, Ondřej Kokeš (Mott MacDonald), Aleš Kuták (Dopravní federace)

17:00 closing reception

speakers profile

Farideh Ramjerdi has wide experience with research projects under 5th, 6th and 7th EU's Frameworks projects, COST, OECD and MISTRA. She has done research in the areas of environmental and behavioural economics with extensive experience on project on sustainable transport, transport demand analysis, demand for alternative fuel vehicles, valuation studies, road pricing, toll financing and cost benefit analysis. She has been adviser to doctoral and graduate students. She is widely published and is member of national and international research organizations and editorial board.

Pim Warffemius works as a researcher and project manager in transportation economics at KiM Netherlands Institute for Transport Policy Analysis of the Ministry of Infrastructure and the Environment. Currently, he is the project manager for the Dutch study on the monetary value to society of improvements in travel time and travel time reliability and its implications for cost benefit analysis. In this role, he was a member of the Working Party on Reliability of Surface Transport Systems of the OECD and ITF. Pim studied logistics at the Erasmus University of Rotterdam, where he also received his PhD. He worked as an assistant professor and researcher at the Erasmus University Rotterdam and as a senior consultant at Rijkswaterstaat's Transportation Research Centre of the Dutch Ministry of Infrastructure and the Environment.

Vojtěch Máca is a researcher at Charles University Environment Center. His research focus is law and economics of environmental externalities, valuation of human health impacts, quantification and internalization of external costs and political economy of economic instruments in environmental policy. He has been engaged in the working group for preparation of environmental tax reform at the Ministry of the Environment and in expert group for extension of electronic road tolling system at the Ministry of Transport. Vojtěch graduated from Faculty of Law and Faculty of Humanities, Charles University.

Markéta Braun Kohlová is a sociologist at the Charles University Environment Center. She has a PhD. from Charles University in Prague. Her research topics are environmental and travel behaviour and valuation of health risks and environment. She has published on these topics in several edited volumes. She is also one of the editors of the book Modelling of Consumer Behaviour and Wealth Distribution.

speakers profile

Hana Brůhová-Foltýnová is as a researcher at the Kolin Institute of Technology. She obtained her PhD in Economic Policy at the Faculty of Economics and Administration of the Masaryk University in Brno (2006) and the Master degree in Finances at the same faculty (2000) and in Environmental Humanities at the Faculty of Social Sciences of the Masaryk University (2004). She is concerned in economic aspects of sustainable development with emphasis on transportation issues, above all in economic and environmental impacts of transport regulation. She coordinates or is a member of international and national research teams on a range of research and policy-oriented projects funded by various Czech national grant bodies, the CERGE-EI Foundation under a program of the Global Development Network and EU operation funds, among others.

Jan Kašik is the transportation engineer with 26 years of practice in traffic surveys, transport modelling and transport planning and road and PT networks design. He is graduated civil engineer and works as the head of transport unit in Prague based NDCON company, which was recently the Czech office of Jacobs Consultancy based in London. He has run the research projects concerning competition in public transport and the methodology of multimodal modelling in the Czech conditions in last years.

Ståle Navrud is a Professor of Economics at the Department of Economics and Resource Management, Norwegian University of Life Sciences. He holds a PhD in Environmental and Resource Economics and a M.Sc. in Management of Natural Resources. He has worked on more than 15 EU-funded projects; the majority focusing on the external costs of energy and transportation. He specializes in cost-benefit analysis and stated and revealed preference methods for economic valuation of public goods including public health impacts from air pollution, transportation noise, ecosystem services, biodiversity, water quality, cultural heritage, landscape aesthetics, recreation, and external costs of renewable energy; in Europe, Africa and Asia. He has published extensively in international refereed journals in these fields and edited three books (two together with Richard Ready) "Environmental Value Transfer: Issues and Methods" (Springer, 2007), "Valuing Cultural Heritage" (Edward Elgar, 2004), and "Pricing the European Environment" (Oxford University Press, 1992). He is currently a review editor on the Economics of Adaptation chapter in the next assessment report of the IPCC.

speakers profile

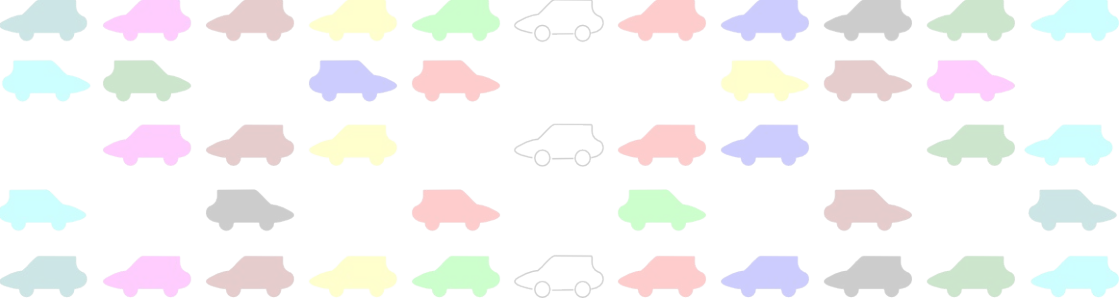
Jan Urban is a research fellow at the Charles University Environment Center. His research focus is application of socio-psychological theories to explanation of proenvironmental behavior, particularly energy consumption and organic food consumption. He has been also involved in several research projects that focused on valuation of mortality, morbidity, risk reduction, and traffic noise.

Patrik Sieber is an assistant professor at Department of Business Economics, Faculty of Business Administration, University of Economics, Prague, where he finished his Ph.D. in 2005. His teaching and research activities are mainly focused on Valuation, Socio-Economic Evaluation, Social Cost-Benefit Analysis, Empirical estimates of Social Value of Marketed and Non-marketed goods and SDR.

Jan Melichar is a research fellow at the Charles University Environment Center in Prague. He obtained his PhD in economic policy from the University of Economics Prague. His research mainly deals with empirical analysis in environmental economics. Research interests include external cost assessment, environmental cost-benefit analysis, non-market valuation and recreation demand analysis.

Henrik Andersson, PhD. received his doctoral degree in economics from Lund University in 2005. Since 2009 he is an Associate Professor (Chaire d'Excellence) at the Toulouse School of Economics (TSE) where he is part of the "Laboratoire d'Economie des Ressources Naturelles" (LERNA). Before joining TSE he held a position as a researcher in the Department of Transport Economics at the Swedish National Road and Transport Research Institute, and he was a visiting scholar at Harvard University in 2003-04 and 2007-08 and at the University of Kentucky in 2004. His main research interests concern methodological and empirical issues of the evaluation of non-marketed goods using revealed- and stated-preference techniques, and pricing of externalities. To date much of his research has been applied in the areas of transportation where he has worked on accident risks and noise, but he has also worked in other areas such as food safety and smoking. Recent publications include the Journal of Risk and Uncertainty, Journal of Health Economics, Environmental and Resource Economics, and Transport Policy.





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