

PERSONAL INFORMATION

Milan Ščasný

 José Martího 407/2, 16200 Prague 6 (Czech Republic)

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 milan.scasny@czp.cuni.cz

Sex Male | Date of birth 27/1/1973 | Nationality Slovak, Czech

PREFERRED JOB

Senior Research Fellow

WORK EXPERIENCE

01/2001–Present

Senior Research Fellow; Head of the Environmental Economics and Sociology Unit

Charles University, Environment Center, office: Jose Martího 2/407, 162 00 Praha 6
Ovocný trh 5, 116 36 Praha 1 (Czech Republic)
www.czp.cuni.cz

Principal research investigator, research coordination

Research carried out within more than 50 projects funded within the R&D / R&D&I

Framework Programmes of European Commission, international organisations (OECD, European Chemical Agency) and ministries and public science grant agencies in the Czech Republic.

Economic analysis enriched by a multi-disciplinary approach and other disciplines

Main research topics:

- consumer behaviour and household demand, determinants of environmentally-significant behaviour
- non-market valuation with a special focus on health risks and health benefits
- assessment of economic and environmental impacts of regulation
- distributional aspects of environmental regulation
- quantification of environmental damage and external costs

Business or sector Public University

02/2016–Present

Senior Research Fellow

Charles University, Faculty of Social Sciences, Institute of Economic Studies (FSV-IES)
Opletalova 23, 11000 Praha 1 (Czech Republic)

Research on „**Beyond Green Paradoxes: Microeconomic, Econometric and Meta-Analysis Framework for Investigation of Unintended Effects of Climate and Energy Policies** (GAČR 16-00027S)

ECOCEP & GEMCLIME Project Deputy Coordinator

Business or sector Public University

02/2016–Present

Senior Research Fellow

Charles University, Institute of Economic Studies, Faculty of Social Sciences
Opletalova 23, 11000 Praha 1 (Czech Republic)

Research Fellow of GACR research project on Green Paradoxes (Prof. Karel Janda, Principal Investigator)

Business or sector Public University

09/2001 External lecturer and student's thesis supervision at Charles University, Faculty of Social Sciences, Institute of Economic Studies (FSV-IES), Charles University, Faculty of Humanities, PhD Programme on Environmental Science (FHS-Envi), and Charles University, Faculty of Humanities, Dept. of Social and Culture Ecology (FHS-SKE)

Charles University, Faculty of Social Sciences, Institute of Economic Studies
Opletalova 23, 11000 Praha 1 (Czech Republic)

Teaching at regular master courses

- 2014+: "Environmental Economics and Consumer Behaviour", Institute of Economic Studies, Fac Soc Sci (IES-FSV)
- 2004-2013: "Environmental Economics", IES-FSV
- 2008-2013: "Welfare Measurement", IES-FSV
- 2001-2010: "Environmental Economics", Social and Culture Ecology, Fac Human Sci (SCE-FHS)

Thesis supervision at doctoral program (2010+: IES-FSV, 2008+: Environmental Studies PhD Program at FHS), at Master and Bachelor programs (2003+: IES-FSV, 2006-09: SCE-FHS); Member of State Final Exam Commissions (IES-FSV, FHS)

Business or sector Public University

05/2008–06/2009 External consultant

OECD: ORGANISATION FOR ECONOMIC CO-OPERATION AND DEVELOPMENT
rue André Pascal 2, 75775 Paris Cedex 16 (France)

Country representative in the OECD Project on "Household Behaviour and Environmental Policy". Main project investigator to analyse **residential energy use and energy efficiency**, including assessment of policies aiming at energy efficiency improvement, using household-level data collected in 10 OECD countries.

Business or sector International organisation

09/2006–05/2007 Advisor of the Minister of the Environment of the Czech Republic

Ministry of the Environment of the Czech Republic
Vršovická 65, 100 10 Prague 10 (Czech Republic)

External advisor of Minister on instrument design and using of market based instruments in environmental regulation, responsible for designing a concept of environmental tax reform in the Czech Republic.

Business or sector Government

11/1997–12/2000 Official and analyst

Ministry of the Environment of the Czech Republic
Vršovická 65, 100 10 Praha 10 (Czech Republic)

Dept. of Environmental Economics, Economic Impact Assessment Unit

- quantification of economic impacts involved by implementation of environmental legislation, specifically of the EU *acquis communautaire*, including designing financial strategies.
- evaluation of research projects and R&D project officer
- member of several inter-ministerial working groups on implementation of the EU *acquis communautaire*

Business or sector State administration

01/01/2009–Present External analyst

CASE - CENTER FOR SOCIAL AND ECONOMIC RESEARCH, (Poland)

Modeling Economic, Social and Environmental Implications of a Free Trade Agreement Between the European Union and The Russian Federation (FTA: 2009-2010);

Trade Sustainability Impact assessment in support of negotiations of deep and comprehensive free trade areas (DCFTA) between the EU and Georgia and the Republic of Moldova (DCFTA: 2011-2012),

Trade Sustainability Impact assessment in support of negotiations of deep and comprehensive free trade areas (DCFTA) between the EU and Armenia (2012-2013),

Trade Sustainability Impact assessment in support of negotiations of deep and comprehensive free trade areas (DCFTA) between the EU and Japan (2014) - responsible for the environmental impact assessment.

Scientific coordinator of economic assessment of introducing electromobility in Poland, within the ERA-NET DEFINE project.

Business or sector Consultancy

01/06/2014–31/03/2016

External Analyst

INDUSTRIAL ECONOMICS, CAMBRIDGE (United States)

Valuation of Environment-Related Health Impacts on Children for Canada - a study commissioned by Health Canada. (May 2014 – March 2016)

Health Valuation Study of Socio-Economic Benefits Improving Fertility and Birth Outcomes (October 2014 - March 2016)

Business or sector Consultancy / Government

01/12/2015–30/06/2016

Consultancy

EUROPEAN COMMISSION – JOINT RESEARCH CENTER (Italy)

Analysis of industrial water use in Hungary, Austria, Slovakia and Slovenia (Dec 2015 – June 2016)

Business or sector Government

EDUCATION AND TRAINING

1998–2007

PhD in economic theory

ISCED 6

Charles University in Prague; Faculty of Social Sciences; Institute of Economic Studies Smetanovo nábřeží, 110 00 Praha (Czech Republic)

Environmental economics, welfare measurement

05/2005–05/2005

Training: Course on Stated Preference Methods and Modelling Data'

Training

University in Umea, Sweden, coordinated by Prof. Bengt Kristrom (Bengt.Kristrom@slu.se)

05/2005–05/2005

Training: Course on 'Modelling Non-market Valuation Data'

Training

Fondazione Eni Enrico Mattei & University IUAV of Venice, Italy, coordinated by Prof. Anna Alberini (aalberini@arec.umd.edu)

1994–1997

Master of Economics

ISCED 5B

Charles University in Prague; Faculty of Social Sciences; Institute of Economic Studies

Economic policy; Macroeconomics

1991–1994

Bachelor of Economics

ISCED 5A

Charles University in Prague; Faculty of Social Sciences; Institute of Economic Studies

PERSONAL SKILLS

Mother tongue(s) Slovak

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
Czech	C2	C2	C2	C2	C2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
 Common European Framework of Reference for Languages

Communication skills Teaching experience

Organisational / managerial skills

Research coordination

- Leader of project partner team within more than 20 R&D projects funded within the European Commission Framework Programmes; coordination of research within work-packages of several EU funded research projects
- **Research project leader** in another 30 R&D and consultancy projects funded by science grant agencies in the Czech Republic
- ECOCEP – **Economic Modeling for Climate and Energy Policies** (FP7-PEOPLE 2013-2017); Marie-Curie IRSES-RENNET Program, Support of scientific mobility and research secondments between the EU and US-CAN-AUS-NZ-RSA. Deputy of project coordinator 2014-2017
- GEMCLIME – **Global Excellence in Modelling of Climate and Energy** (H2020-MSCA-RISE-2015 Marie Skłodowska-Curie Research and Innovation Staff Exchange (RISE) program): Scientific mobility between EU institutions (University of Oxford, Toulouse School of Economics, LSE, FEEM, and Charles University Prague) and 15 top level universities worldwide (incl. University of Columbia, Cornell, Harvard, MIT, Princeton, Stanford, University of California, Australian National University). Deputy of project coordinator 2016-2020
- Coordination of international consortium set up to implement **the ExternE Impact Pathway Approach to quantify environmental and health impacts attributable to energy generation** in several Central and Eastern European Countries and Mediterranean Partner Countries in the North Africa (EU funded IP NEEDS project)

Organization of scientific conferences and workshops (excerpt with more than 40 attendances):

- 2016 – The 18th Conference on Environmental Economics, Policy and International Environmental Relations - **"Energy and Climate Economic Modelling"** (ECOCEP), 3-4 November 2016, Charles University, Prague (30 participants)
- 2015 - Workshop **"Pathways to Deep Decarbonisation"** organised as a part of FP7 CECILIA2050 project, 27 October 2015, Charles University Prague (40 participants)
- 2014 – CECILIA2050 Workshop **"Future Options for EU Climate Policies and their Public Acceptability"** (CECILIA2050 Choosing Efficient Combinations of Policy Instruments for Low-carbon development and Innovation to Achieve Europe's 2050 climate target), 22 October 2014, Charles University Prague (45 participants)
- 2012 - **EAERE-2012: International Scientific Conference on Environmental And Resource Economists**, 27-30 June 2012, Prague, (650 participants); President of Local Organization Committee and Co-Chair of Program Committee
- 2011 - INSTREAM Workshop: **Energy and Resource Efficiency – Modelling, Analysis, Indicators**. 7 April 2011, Charles University in Prague, Prague (40 participants)
- 2010 – **Modelling of Impacts of Environmental Regulation**. 2 December 2010, Charles University Prague (40 participants)
- 2009 - **International scientific Conference on "Valuation of Environment-Related Health Impacts"**, co-organised with OECD Environment Directorate, Prague 17-18 September 2009, www.oecd.org/env/social/health/verhi, (55 participants)
- 2009 - **International Workshop on Assessing The Impacts Of Environmental Regulation By Macroeconomic Models** - Focused on assessment of economic and environmental impact

involved by environmental tax reform in the Czech Republic. 23-24 November 2009, Charles University Prague (50 participants)

- 2006 - **External costs of waste treatment, food production, and industry: harmonising and sharing of operational estimates**. MethodEx Conference. Prague, 11 December 2006 (45 participants)
- 2005 - **Valuation of human health and quantification of external costs related to energy generation**. Scientific Conference, 8-9 December 2005, Prague (50 participants)
- 2005 - **EA-SDI Environmental Accounting – Sustainable Development Indicators**. Scientific Conference. 25–27 September 2005, Prague, (100 participants)
- 2004 - **Lessons in non-market valuation methods in the environmental area**. Section organised within scientific conference "Development of the Czech Society in the European Union". 21–22 October 2004, Charles University Prague, Faculty of Social Sciences (60 participants in the Section)
- 2004 - DIEM Workshop: **Recent advances of the ExternE methodology and tools, and their application**. 16-17 February 2004, Charles University Prague, co-organised with the DIEM project partners (55 participants)
- 2003-2006 - A series of 10 seminars of the Czech-German initiative for dialog on environmental tax reform in the Czech Republic. February 2003 to March 2006, Prague (300 participants in total)
- 2002 - **Environmental tax reform – Optimal fiscal policy or efficient environmental policy?** A section organised within a scientific conference „Consolidation of governance and entertainment in the Czech Republic and in the European Union." 31 October – 2 November 2002, Charles University Prague, Faculty of Social Sciences (65 participants)

Job-related skills

Project evaluator

- Framework Programmes of Directorate-General for Research & Innovation (Research & Development), European Commission (the Sixth FP, the Seventh FP, Horizon 2020)
- Science foundations and research programmes in the Czech Republic (Czech Science Foundation, Grant Agency of Charles University, Research Programs of ministries of the Czech Environment, etc.)

Scientific Advisor

- Temporal Adviser for World Health Organisation Environmental Health and Economics Symposium on "Health Economics and Air Pollution", November 2014

Digital competence

Competent with MS Office, several statistical software (SAS, STATA, etc.)

Driving licence

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ADDITIONAL INFORMATION

I. Memberships

2004 to date: EAERE - **European Association of Environmental and Resource Economists** (2004 to date); the focal point for the Czech Republic

2014 to date – official representative of the Czech Republic in **the OECD CIRCLE program** (Costs of Inaction and Resource scarcity: Consequences for Long-term Economic growth)

II. Research Evaluation Committees

2013-2016: **GAČR Panel 402 "Economic Sciences, Macroeconomics, Microeconomics, Econometrics, Quantitative Methods in Economics"** of Czech Science Foundation (GA ČR), Head (2016), Deputy head (2015), Member (2013-2014); member of OK4 Discipline Committee "Social Sciences and Humanities" of the Czech Science Foundation (2015-16)

2014 on: Member of **Sustainable Energy Council, Governmental Council on Sustainable Development of the Czech Republic** (RVUR)

2014 on: Member of **Scientific Thematic Group of HORIZONT2020, Societal Challenge 5: "Climate Action, Environment, Resource Efficiency and Raw materials"**, established by Ministry of Education, Youth and Sports of the Czech Rep.

2014: External Evaluator of **HORIZONT2020 Program, DG Research & Innovation, European Commission**

2012-2013: External evaluator of **Seventh Framework Programme on Research & Innovation of DG RTI, European Commission**

2009: External evaluator of **The Sixth Framework Programme on Research & Development, European Commission**.

2002 to date: Proposal evaluator for numerous **R&D programmes funded by agencies in the Czech Republic** (for instance, Czech Science Foundation, Grant Agency of Charles University in Prague; R&D programs of Ministry of the Environment, Ministry of Education, Ministry of Labour and Social Affairs).

III. Publications

WoS

No. articles: 22

No. citations: 140

H-index: 6

SCOPUS Google Scholar

No. articles: 23

No. citations: 173

H-index: 7

Google Scholar

No. articles: 99

No. citations: 550

H-index: 12

ARTICLE IN PEER REVIEWED JOURNALS (WoS, SCOPUS)

Andersen, Z.J., Sram, R.J., Ščasný, M., Gurzau, E.S., Fucic, A., Gribaldo, L., Rossner, P., Rossnerova, A., Braun Kohlová, M., Máca, V., Zvěřinová, I., Gajdosova, D., Moshhammer, H., Rudnai, P., Knudsen, L.E. (2016), Newborns health in the Danube Region: environment, biomonitoring, interventions and economic benefits in a large prospective birth cohort study. *Environment International* 88: 112-122. DOI: 10.1016/j.envint.2015.12.009

Rečka, L., Ščasný, M. (2016), Impacts of carbon pricing, brown coal availability and gas cost on Czech energy system up to 2050, *Energy* 108(2016): 19-33. DOI: 10.1016/j.energy.2015.12.003.

Urban, J., Ščasný, M. (2016), Structure of domestic energy savings: How many dimensions? *Environment and Behavior*, 48(3): 454 - 481. DOI: 10.1177/0013916514547081

Ščasný, M., Massetti, E., Melichar, J., Carrara, S. (2015), Quantifying the ancillary benefits of the Representative Concentration Pathways on air quality in Europe. *Environmental & Resource Economics*. Volume 62, Issue 2, pp 383-415. DOI: 10.1007/s10640-015-9969-y

Alberini, A., Ščasný, M. (2013), Exploring heterogeneity in the value of a statistical life: Cause of death v. risk perceptions. *Ecological Economics* 94 (2013) 143-155. DOI: 10.1016/j.ecolecon.2013.07.012.

Rečka, L., Ščasný, M. (2013), Analýza dopadů regulace v českém elektrickém systému – aplikace dynamického lineárního modelu MESSAGE (Environmental regulation impacts on the Czech power system by the dynamic linear optimisation model MESSAGE). *Politická ekonomie* 2/2013: 248-273.

Ščasný, M., Melichar, J., Vejchodská, E. (2013), EAERE-2012: International Scientific Conference on Environmental And Resource Economists in Prague. *Politická ekonomie* 1/2013: 131-133.

Ščasný, M., Alberini, A. (2012), Valuation of Mortality Risks Attributable to Climate Change: Investigating the Effect of Survey Administration Modes on a VSL, *Int. J. Environ. Res. Public Health* 2012, 9(12), 4760-4781.

Urban, J., Ščasný, M. (2012), Exploring domestic energy-saving: The role of environmental concern and background variables. *Energy Policy*, Volume 47, pp. 69–80.

Urban, J., Zvěřinová, I., Ščasný, M. (2012), What motivates Czech consumers to buy organic food? *Sociologický časopis / Czech Sociological Review*. Volume 48 (2012): 3, 509-536.

Máca, V., Melichar, J., Ščasný, M. (2012). Internalization of External Costs of Energy Generation in Central and Eastern European Countries. *The Journal of Environment & Development*, 21(2), 181-

197.

Alberini, A., Ščasný, M., Guignet, D., Tonin, S. (2012), The Benefits of Contaminated Site Cleanup Revisited: The Case of Naples and Caserta, Italy. *Journal of the Air and Waste Management Association*, Volume 62, Issue 7, 783-798.

Weinzettel, J., Havránek, M., Ščasný, M. (2012), A consumption based indicator of external costs of electricity. *Ecological Indicators*, Volume 17, Issue (June, 2012), p. 68-76. ISSN: 1470-160X DOI: 10.1016/j.ecolind.2011.04.035.

Alberini, A., Ščasný, M. (2011) Context and the VSL: Evidence from a Stated Preference Study in Italy and the Czech Republic. *Environmental & Resource Economics*, Volume 49(4), pp.511-538.

Desaigues, B., Ami, D., Bartczak, A., Braun Kohlová, M., Chilton, S., Czajkowski, M., Ferreras, V., Hunt, A., Hutchison, M., Jeanrenaud, C., Kaderjak, P., Máca, V., Markiewicz, O., Markowska, A., Metcalf, H., Navrud, S., Nielsen, J.S., Ortiz, R., Pellegrini, S., Rabl, A., Riera, P., Ščasný, M., Stoeckel, M.-E., Szántó, R., Urban, J. (2011), Economic valuation of air pollution mortality: A 9-country contingent valuation survey of value of life year (VOLY). *Ecological Indicator* 11(2011), 902-910.

Czajkowski M., Ščasný M. (2010), Study on benefit transfer in an international setting. How to improve welfare estimates in the case of the countries' income heterogeneity? *Ecological Economics* 69 (2010) 2409–2416.

Melichar, J., Ščasný, M., Urban J. (2010), Hodnocení smrtelných rizik na trhu práce: studie hédonické mzdy pro českou republiku. (The Valuation of Risks in the Labour Market: Hedonic Wage Study in Czech Republic). *Politická ekonomie* 5/2010.

Ščasný, M., Píša, V., Pollitt, H., Chewprecha, U. (2009), Analysing Macroeconomic Effects of Energy Taxation by Econometric E3ME Model. *Czech Journal of Economics and Finance*, Volume 59, Issue 5, pp. 460-491.

Ščasný, M., Kovanda, J., Hák, T. (2003), Material flow accounts, balances and derived indicators for the Czech Republic during the 1990s: results and recommendations for methodological improvements. *Ecologic Economics* 45(2003), pp. 41-57.

Under review

Máca, V., Melichar, J., Ščasný, M., Braun Kohlova, M. (under review), Valuing Environmental Health For Informed Policy—Making. *Rev Env Health*.

Knudsen, L.E., Andersen, Y.J., Sram, R.J., Gurzau, E.S., Fucic, A., Gribaldo, L., Rossner, P., Rossnerova, A., Braun Kohlová, M., Máca, V., Zvěřinová, I., Gajdosova, D., Moshhammer, H., Rudnai, P. Ščasný, M. (under review), Perinatal health in the Danube region – New Birth cohort justified. *Rev Env Health*

Ščasný, M., Zvěřinová, I., Czajkowski, M., Kyselá, E., Zagórska, K. (under review), Public Acceptability of Climate Change Mitigation Policies: A Three-Country Stated Preference Study. *Climate Policy Special Issue - EU Climate Policy: Effectiveness, Efficiency and Feasibility to 2050*.

Kiulla O, Markandya A, Ščasny M, et al (under review). The Economic and Environmental Effects of Taxing Air Pollutants and CO2: CGE Model With Abatement Technologies And Sector-Specific Emission Coefficients. *Economic System Research*.

ARTICLE IN PEER REVIEWED JOURNALS (OTHER)

Ščasný, M., Máca, V. (2010) "Market-Based Instruments in CEE Countries: Much Ado about Nothing", *Rivista di Politica Economica*, Issue VII-IX, Year XCIX, pp. 59-82.

Markowska, A., Markiewicz, O., Malgorzata Bartczak, A., Ščasný, M., Melichar, J. Škopková, H. (2007), Lake Water Quality Valuation - Benefit Transfer Approach vs. Empirical Evidence. *Ekonomia journal*, 2007, vol. 19.

BOOKS

Ščasný, M., Urban, J., Zvěřinová, I. (2013). *Environmentally Significant Behaviour in the Czech Republic: Energy, Food and Transportation*. Karolinum, Praha. ISBN 978-80-246-2076-3. 250 pp.

Alberini, A., Bateman, I., Loomes, G., Ščasný, M. (2010), *Valuation of Environment-Related Health Risks for Children*. OECD Publishing, Paris. ISBN 978-92-64-06810-0. 150 pp.

Turnovec, F., Strielkowski, W., Novák, P., Brodzicki, T., Andrä, J., Broll, U., Murphy, E., Cahlíková, Z., Duží, B., Melichar, J., Máca, V., Ščasný, M. (2012). *Advanced Economics of European Integration: Selected issues*. Charles University in Prague, Faculty of Social Sciences, 127 pages, ISBN 978-80-87404-33-1.

Cetkovský, S., Frantál, B., Štekl, J., Hájek, J., Hanslian, D., Hošek, J., Jirásková, A., Kallabová, E., Kočvara, R., Kunc, J., Melichar, J., Nováková, E., Pop, L., Svoboda, J., Ščasný, M. (2010), *Větrná energie v České republice: hodnocení prostorových vztahů, environmentálních aspektů a*

socioekonomických souvislostí. Vyd. 1. Brno : Ústav geoniky AV ČR, v.v.i., 2010. 209 s. Studia Geographica 101. ISBN 978-80-86407-84-5.

Ščasný, M., Urban, J. (2009). *Residential Energy Efficiency: A Cross-Country Empirical Analysis*. OECD Environment Directorate. June 2009, OECD, Paris.

Ščasný, M., Braun Kohlová, M. et al. (2008), *Modelling of Consumer Behaviour and Wealth Distribution*. Matfyzpress, Praha. ISBN: 978-80-7378-039-5, pp. 224.

Dvořák, A., Brůha, J., Brůhová-Foltýnová, H., Melichar, J., Ščasný, M. (2007), *Kapitoly z ekonomie přírodních zdrojů a oceňování životního prostředí*. Vysoká škola ekonomická v Praze, Oeconomica – Praha 2007. ISBN: 978-80-245-1253-2.

Ščasný, M., Melichar, J., ed. (2004), *Development of the Czech Society in the European Union. (Proceedings from the Conference held on October 21-23, 2004). Part V: Non-market Valuation Methods in environmental area*. Charles university in Prague, Faculty of Social Sciences and Charles University Environment Center, 21-23 October 2004. Matfyzpress, Prague. ISBN 80-86732-35-5.

Ščasný, M., Brůha, J., Foltýnová, H. eds. (2004), *Approaches to Assessing the Environment. Methods on quantification of the economic impacts and externalities within the environmental area*. The Proceedings from the International Round-table Seminar, Prague, October 2-3, 2003, Charles University Environment Center. ISBN: 80-239-3841-X, 232 pp.

Ritschelová, I., Ščasný, M. (eds.) (2004), *Environmental Accounting: Current Situation and Future Development*. Papers and Proceedings from the Workshop. Charles University, Prague, Czech Republic, 15 November 2004. pp. 190, ISBN: 80-7044-612-9.

Ščasný, M. ed. (2002), *The Consolidation of Governance and Entrepreneurship in the Czech Republic and the European Union 4. Environmental tax reform - Optimal fiscal policy or efficient environmental policy?* Conference Proceedings. November 2002. Charles University in Prague. Matfyzpress, Prague. ISBN: 80-86732-00-2, 288 pp. (in Czech), 286 pp.

BOOK CHAPTER

Ščasný, M., Máca, V. (2012) "Market-Based Instruments in CEE Countries: Much Ado about Nothing", in Castellucci, L., Markandya, A., Gustavo, P. (eds.), *Environmental Taxes and Fiscal Reform*. Palgrave Macmillan, 280 pp. ISBN: 9780230392397.

Ščasný, M. (2012), Passenger Road Transport During Transition And Post-transition Period: Focused On Residential Fuel Consumption And Fuel Taxation in the Czech Republic. In: Zachariadis, Theodoros I. (Ed.). *Cars and Carbon: Automobiles and European Climate Policy in a Global Context, Chapter 10, 1st Edition*, 2012, III, Springer Verlagh, 430 pp. ISBN 978-94-007-2122-7.

Ščasný, M. (2012), Who pays taxes on fuels and public transport services in the Czech Republic? Ex post and ex ante measurement. Chapter 17, In: Sterner, T. (eds), *Fuel Taxes and The Poor: The Distributional Effects of Gasoline Taxation And Their Implications For Climate Change*. Resource For the Future, Washington, DC. 320 pages, ISBN 9781617260926. pp. 269-298.

Ščasný, M., Tsuchimoto Menkyna, F. (2012). Index-based decomposition of SO₂, NO_x, CO and PM emissions stemming from stationary emission sources in Czech Republic over 1997-2007. In: V. Costantini, M. Mazzanti, & A. Montini (Eds.), *Hybrid economic-environmental accounts*. London; New York: Routledge.

Máca V, Melichar J, Ščasný M (2010). External Costs From Energy Generation and Their Internalization in New Member States. In: Soares CD, Milne J, Ashiabor H, Deketelaere K, Kreiser L (eds.), *Critical Issues in Environmental Taxation Volume VIII*. Oxford University Press, Oxford.

Braun Kohlová, M., Ščasný, M. (2008), Parental Guardianship and Altruism in Children's Morbidity Valuation: CV Surveys in the Czech Republic, in: Ščasný, M., Braun Kohlová, M. et al., *Modelling of Consumer Behaviour and Wealth Distribution*. Matfyzpress, Praha. ISBN: 978-80-7378-039-5, pp. 87-106.

Urban, J., Ščasný, M. (2008), Validity and Reliability of Two CVM Applications on the Valuation of Work-related Risks. In: Ščasný, M., Braun Kohlová, M. et al., *Modelling of Consumer Behaviour and Wealth Distribution*. Matfyzpress, Praha. ISBN: 978-80-7378-039-5, pp. 107-124.

Ščasný, M., Urban, J. (2008), Application of the Hedonic Wage Model: Value of Statistical Life Derived from Employee's Choice in the Czech Labor Market. In: Ščasný, M., Braun Kohlová, M. et al., *Modelling of Consumer Behaviour and Wealth Distribution*. Matfyzpress, Praha. ISBN: 978-80-7378-039-5, pp. 125-145.

Urban, J., Ščasný, M., Zveřinová, I. (2008), How much are Prague consumers willing to pay for organic food? In: Šauer, P., *Environmental Economics, Policy and International Environmental Relations*. 10th International Conference of Postgraduate Students, Young Scientists and Researchers, Nakladatelství a vydavatelství litomyšlského semináře, Prague. ISBN 978-80-86709-14-

7, pp. 86-104.

Brůha, J., Ščasný, M. (2008), Tax Progressivity Measurement: Empirical Applications for the Czech Republic. In: Ščasný, M., Braun Kohlová, M. et al. 2008, *Modelling of Consumer Behaviour and Wealth Distribution*. Matfyzpress, Praha. ISBN: 978-80-7378-039-5, pp. 157-179.

Alberini, A., Ščasný, M., Braun Kohlova, M., Melichar, J., (2006), The Value of Statistical Life in the Czech Republic: Evidence from Contingent Valuation Study. In: Menne, B., Ebi, K.L. (eds.), *Climate Change and Adaptation Strategies for Human Health*. Springer, Steinhopff Verlag, Darmstadt. ISBN: 3-7985-1591-3. pp. 373-393.

Brůha, J., Ščasný, M., Machálek, P. (2005), Decomposition Analysis of Air Pollution Reduction in the Czech Republic: Focused on Driving Forces of Environmental Pressure Changes during the transition. In: Ritschelová, I. (eds.), *Environmental Accounting and Sustainable Development Indicators. Proceedings*. International Conference, Prague 25-27 September 2005. ISBN: 80-7044-676-5. pp. 277-287.

Brůha, J. Ščasný, M. (2005), Environmental Tax Reform Options and Designs for the Czech Republic: Policy and Economic Analysis. In: Deketelaere, K., L. Kreiser, J. Milne, H. Ashiabor, A. Cavaliere eds. *Critical Issues in Environmental Taxation: International and Comparative Perspectives. Volume III*. Richmond Law & Tax Publisher Ltd, Richmond, UK, March 2005. 750 pp. Chapter 17.

Ščasný, M., Melichar, J., ed. (2004), Development of the Czech Society in the European Union. (Proceedings from the Conference held on October 21-23, 2004). *Part V: Non-market Valuation Methods in environmental area*. Charles university in Prague, Faculty of Social Sciences and Charles University Environment Center, 21-23 October 2004. Matfyzpress, Prague. ISBN 80-86732-35-5.

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IV. Contracts and Grants:

(i) European Commission – DG Research Framework Programs

Horizon 2020 (2016 and on)

- INHERIT – **INter-sectoral Health Environment Research for InnovaTions** (01/2016-06/2019; H2020-PHC-04-2015-two-stage)
- GEMCLIME – **Global Excellence in Modelling of Climate and Energy** (10/2016-09/2020; H2020-MSCA-RISE-2015 Marie Skłodowska-Curie Research and Innovation Staff Exchange RISE program)

Seventh Framework Programme (2008-2016)

- ECOCEP – **Economic Modeling for Climate and Energy Policies** (FP7-PEOPLE 2013-2017; Marie-Curie IRSES-RENNET Program)
- ECONADAPT – **Economics of climate change adaptation in Europe** (2013-2016); role: project partner coordinator
- POCACITO: **POst-CARbon Cities of TOMorrow – foresight for sustainable pathways towards liveable, affordable and prospering cities in a world context** (2014-2016); role: project partner coordinator

- CECILIA2050 – **Choosing Efficient Combinations of Policy Instruments for Low-carbon development and Innovation to Achieve Europe’s 2050 climate targets** (2012-2015); role: project partner coordinator
 - PURGE – **Public health impacts in urban environments of greenhouse gas emissions reduction strategies** (2011-13); role: project partner coordinator
 - GLOBAL-IQ – **Impact Quantification of Global Changes** (2011-2013); role: leader of project partner
 - PASHMINA - **PARadigm SHifts Modelling and INnovative Approaches** (2009-2012) ; coordinator of workpackage or stream
 - IN-STREAM - **Integrating Mainstream Economic Indicators with Sustainable Development Objectives** (2008-2011); ENV.2007.4.2.2.1; role: project partner coordinator
 - CLIMATECOST - **Full Costs of Climate Change** (2008-2011); role: project partner coordinator
- Sixth Framework Program (2004-2011)
- HEIMTSA IP - **Health and Environment Integrated Methodology and Toolbox for Scenario Assessment** (2007-2011); role: project partner coordinator
 - EXIOPOL IP - **A New Environmental Accounting Framework Using Externality Data and Input-Output Tools for Policy Analysis** (2007-2011); role: project partner coordinator
 - VERHI-Children - **Valuation of Environment-Related Health Impacts: Accounting for Differences Across Age and Latency with a Particular Focus on Children** (2006-2009); role: project partner coordinator
 - NEEDS IP - **New Energy Externalities Developments for Sustainability** (2004-2009); role: 1d. Research Stream Leader, project partner coordinator
 - DROPS - **Development of macro and sectoral economic models aiming to evaluate the role of public health externalities on society** (2005-2008); role: project partner coordinator
 - METHODEX - **Methods and data on environmental and health externalities: harmonising and sharing of operational estimates** (2004-2006); role: project partner coordinator
- Fifth Framework Program (2002-2006)
- COMETR - **Competitiveness effects of environmental tax reforms** (2004-2006); role: researcher
 - EXTERNE-POL- **Externalities of Energy: Extension of accounting framework and Policy Applications** (2002-2004); role: project partner coordinator
 - SUS-TOOLS - **Tools for sustainability: Development and application of an integrated framework** (2003-2004); role: project partner coordinator
 - cCASHh - **Climate Change and adaptation strategies for human health in Europe** (2002-2004); researcher
 - MOSUS - **Modelling Opportunities and Limits for Restructuring Europe Towards Sustainability** (2002-2005); researcher
- (ii) European Commission (other than FP programs) and EU institutions
- 2015-2016: WATER-IND: **Analysis of industrial water use in Hungary, Austria, Slovakia and Slovenia** – a consultancy study commissioned by JRC European Commission, Ispra
 - 2015-2016: **Review of Energy Prices and Tariffs**. (coordination by Ecofys, funded by DG TAXUD)
 - 2014-2017: IRSES-RENNET: **Economic Modeling for Climate and Energy Policies** (FP7-PEOPLE 2013-2017); Support of scientific mobility and research secondments between the EU and US-CAN-AUS-NZ-RSA. Deputy of project coordinator
 - 2014: **CLIMATE-ADAPT Science-Policy forum**: workshops for the dissemination and exchange of adaptation-related knowledge to policy makers (Milieu Project No. 1598.13, funded by DG CLIMA)
 - 2013: **Innovation and Energy Support: An inventory EEA32 countries**; coordinated by Ecologic, the review of the Czech Republic (coordination by CE Delft, funded by European Environmental Agency)
 - 2012-15: DEFINE - **Development of an Evaluation Framework for the INtroduction of Electromobility**. EC ERA-NET TRANSPORT (2012-15) (CASE - Center for Social and Economic Research, Poland); role: project partner coordinator
 - 2012-14: **Stated-preference study to examine the economic value of benefits of avoiding**

selected adverse human health outcomes due to exposure to chemicals in the European Union. Funded by European Chemistry Agency (2012-2013); role: project coordinator

- 2012-15: **Framework contract for services in the field of policy development and assessment in relation to climate change.** Funded by DG CLIMA, coordinated by AEA Technology (2012-15); role: project partner coordinator
- 2012-13: **Trade Sustainability Impact Assessment in support of negotiations of a DCFTA between the EU and Armenia;** coordinated by Ecorys; involved under CASE-Poland.
- 2011-12: **Trade Sustainability Impact Assessment in support of negotiations of a DCFTA between the EU and the Republic of Moldova and between the EU and Georgia;** coordinated by Ecorys; involved under CASE-Poland.
- 2011-13: **Framework contract for economic analysis of environmental policies and of sustainable development.** Funded by DG ENV European Commission. Coordinated by AEA Technology. (2011-2013); role: project partner coordinator
- 2009: **Study on the economic impact on selected priority areas and on general social and environmental impact of Free Trade Area agreement between the European Union and the Russian Federation;** responsible for environmental impact assessment. Coordinated by CASE
- 2003-05: **INFOSDEV - Information on Sustainable Development - Education, Economic Instruments and Indicators;** role: coordinator of workpackage

(iii) OECD & Other Governmental Agencies

- 2014-15: Fertility-Canada: **Health Valuation Study of Socio-Economic Benefits Improving Fertility and Birth Outcomes** - a study commissioned by [Health Canada](#) (subcontracted via Industrial Economics, Inc.)
- 2014-15: VERHI-Canada: **Valuation of Environment-Related Health Impacts on Children for Canada** - a study commissioned by [Health Canada](#) (subcontracted via Industrial Economics, Inc.)
- 2008-09: GreenConsumption – **EPIC survey: Household Consumption and Environmental Policy**, OECD (cross-country survey in 10 OECD countries, key investigator for residential energy efficiency)

(iv) Grant Agencies of the Czech Republic

- GREENPARADOXES – **Beyond Green Paradoxes: Microeconomic, Econometric and Meta-Analysis Framework for Investigation of Unintended Effects of Climate and Energy Policies** (2016-2018), GAČR 16-00027S (PI Prof. Karel Janda)
- PREDICTVALIDITY – **Improving predictive validity of valuation methods by application of an integrative theory of behaviour** (2015-2017), GAČR 15-23815S, principal investigator
- SUPREM - **Systematic user support of development of electromobility** (2016-2017), funded by Czech Technology Agency – OMEGA Program
- TIMES-2 – **System support of modeling tools for creation and analysis of energy and environmental policies** (2016-2017), funded by Czech Technology Agency – OMEGA Program
- TIMES – **Analysis of environmental impacts of regulations and trends in energy sector by Pan-European dynamic model TIMES** (Analýza environmentálních dopadů regulace a predikce vývoje v sektoru energetiky panevropským dynamickým modelem TIMES) (2014-15); funded by Czech Technology Agency – OMEGA program
- EKC - **Increasing environmental returns of scale in transition countries** (2011-12), GAČR P403/11/2494
- FIRM - **Environmental regulation and firm economic / financial performance: the case of airborne pollution** (2009), GAČR 402/09/2049
- HEDONICWAGE - **Hedonic Wage Model: Estimation of wage differential in the Czech Republic** (2008-09), GAČR 402/08/1659
- DISTRIBUTION - **Analysis of distributional and social impacts of sector policies** (2006-2011); coordinator of the project
- MODEDR - **Impacts of Environmental Tax Reform Modelling: Second Phase of Environmental Tax Reform (ETR) in the Czech Republic** (2007-2010); coordinator of the project
- TRANEXT- **Quantification of External Costs of Transport in the Czech Republic;** researcher
- LABOUR - **Impact of changes in labour state on quality of life** (2005-2008); coordinator of workpackage
- FOREST- **Monetary valuation of recreational and aesthetic function of the forest**

- ecosystems in the Czech Republic** (2006-2007); researcher
- MORTALITA- **New approaches towards evaluation of morbidity and risks of illnesses and their applications in the Czech Republic** (GA402/04/1336) (2004)
 - EKC- **Environmental Kuznets curve - theory, evidence and implications for the Czech Republic** (GA402/04/1376) (2004)
 - INSTRUMENTS - **Environmental and economic effects of economic instruments in environmental protection** (2004-2005); coordinator of workpackage or stream
 - MACROAGGREGATES - **Economy-wide models for the impacts of environmental policy measures assessment on macroeconomic aggregates in the Czech Republic** (2004-2005); researcher
 - EXTERNALITY- **External costs of electricity and heat production in the Czech Republic and methods of their internalisation** (SM/320/1/03) (2003-2005); coordinator of the project
 - CHILDREN - **Environmental effects on children health** (1C/5/6/04) (2004-2005); WP coordinator
 - ACCOUNTING- **Application of Environmental Accounting: SEEA-2003** (2004-2005); coordinator of workpackage or stream
 - NATURA- **Assessment and proposal for introduction of economic instruments in the area of nature and landscape protection regarding the EC law transposition** (VaV/610/1/03) (2003-2005); researcher
 - ETR - **Ecologic Tax Reform impacts and linkages on environmental policy, main macroeconomic parameters, public finance system, selected economic sectors and households** (2003-2004); coordinator of the project
 - ASSETS- **Evaluation of environmental assets with focus on the subsoil assets** (247/2002/A-EK/COZP and 275/2002/A-EK/COZP) (2002-2003); coordinator of the project
 - EVALNATURE- **Analysis of evaluation methods for selected parts of Nature**. Project (VaV610/01/01) (2001-2002); researcher
 - MFA- **Methodology of environmental performance and prediction assessment by material (as well energy) flows and balances including hidden flows** (VaV/310/2/000) (2001); coordinator of the project
- (v) Consultations and Other Studies
- 2012 - Evaluation of **the European Observation Network for Territorial Development and Cohesion Programme (ESPON)**. Peer-review of three projects, Priority 1, 3 and 4. (Under the project coordinated by ADE).
 - 2011: **Environmental and Economic effects of a more ambitious EU climate target in Slovakia**. Funded by Greenpeace. Coordinated by CE Delft
 - 2008-2009: **Ex post Evaluation of cohesion policy programmes 2000-2006** co-financed by the European Fund for Regional Development (objective 1 and 2) Work package 5b: Environment, Climate change. Peer-review and evaluation of the study for the DG REGIO. Study coordinated by ADE.
 - 2007: **Economic And Social Costs of the First Phase of Environmental Tax Reform in the Czech Republic**. A study prepared for the Czech Ministry of the Environment
 - 2004: **Regional emission reduction programmes and Regional energy policy in the Czech Republic**: critical assessment
 - 2002-2003: Ex-ante evaluation of **Sectoral Operation Programme: Rural development and Multi-function agriculture**.
 - 2001: **Sustainable Development Strategy** of the Czech Republic
 - 2001: **Environmental assets in the system of national accounts (SNA 1993) and European system of Accounts (ESA 1995)**, study prepared for the Czech Statistical Office
 - 2001: **Reporting of economic costs involved by the implementation of environmental acquis in the Czech Republic**, study prepared for the Czech Ministry of the Environment, Dept. of EU accession
 - 2000-01: ISEW- **Alternative indexes to GDP and testing applicability of ISEW Index for the Czech Republic**; coordinator of the project
 - 2000: **Social and economic impacts of the accession of the Czech Republic to the EU**, study prepared for the Government Office of the Czech Republic

