

# ONDŘEJ VOJÁČEK

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## EDUCATION ACHIEVED

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2005 – 2010	Doctoral (Department of Environmental Economics, University of Economics, Prague), Ph.D. degree
1999 – 2005	Master (University of Economics, Prague), Ing. degree
2017	Appointed Reader in Mechanical Engineering Enterprise Economy and Management at the Faculty of Mechanical Engineering of the Czech Technical University in Prague

## OCCUPATIONAL POSITIONS

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2015 – PRESENT	<b>Czech Technical University in Prague, Faculty of Mechanical Engineering, Department of Management and Economics</b> Position: Lecturer, 2017 also Guarantor of specialised study courses
2014 – PRESENT	<b>University of Economics, Jan Evangelista Purkyně University in Ústí nad Labem</b> Position: Academician
2015 – 2018	<b>National Centre for Energy Savings</b> Position: Analyst, Project Manager
2008 – PRESENT	<b>Institute for Regional and Structural Policy Institute for Economic and Environmental Policy at the University of Economics, Prague</b> Position: Manager, Advisor, Project Expert
2009 – PRESENT	<b>e-Academia Academic Network</b> Position: Analyst and Manager of Energy and Air Protection Economics Team
2005 – 2014	<b>Department of Environmental Economics, University of Economics, Prague</b> Position: Lecturer, 2013-2014 Head of Department
2008 – 2009	<b>Czech Coal a.s.</b> Position: Advisor, Analyst
2005 – 2007	<b>PricewaterhouseCoopers ČR</b> Position: Interim

## **ADVISORY PRACTICE (SELECTION) (PROJECT APPLICANT/RESEARCHER/EXPERT MANAGER)**

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- 7/2017–1/2018 Study for **Ministry of the Environment of the Czech Republic**: Elaboration of methodology of granting of exemptions from application of emission levels associated with best available techniques for facility category 1.1 Combustion of fuels in facilities with total installed capacity of 50 MW or more.
- 11/2015 – 4/2016 Study for **National Centre for Energy Savings**: Analysis of potential to draw on the Operational Programme Enterprise and Innovation for Competitiveness by applicant size; Proposal for optimisation based on cost-effectiveness and thematic objectives.
- 6/2015 - 9/2015 Study for **ČEZ Energo**: Economic analysis of support services to distribution system operators.
- 6/2015 - 9/2015 Study for **Ministry of the Environment of the Czech Republic**: Economic assessment of current setting of allowance for handling of photovoltaic modules marketed before 31 December 2012 pursuant to the Waste Act and proposal for a change, if any, in the allowance amount in light of necessity to comply with legal requirements.
- 4/2014 – 8/2014 Study for **Association for District Heating of the Czech Republic and Ministry of Industry and Trade of the Czech Republic**: Assessment of impacts of the Directive of the European Parliament and of the Council on the limitation of emissions of certain pollutants into the air from medium combustion plants.
- 11/2012 – 1/2013 Study for **Ministry of the Environment of the Czech Republic**: Draft of a decree on application of exemptions from best available techniques pursuant to Article 15 of Directive 2010/75/EU.
- 11/2012 – 4/2013 Study for **Confederation of Industry of the Czech Republic**: Economic analysis of environmental and energy legislation and regulations in relation to competitiveness of Czech industries.
- 4/2011 – 9/2011 Study for **Ministry of the Environment of the Czech Republic**: Economic assessment of measures to improve air quality in the Moravian-Silesian Region as part of the commission Boosting PO2 absorption capacity – analysis of national and regional strategies.
- 6/2011 – 10/2011 Study for **Association for District Heating of the Czech Republic**: Economic impact of compliance with emission limits pursuant to Directive 2010/75/EU on smaller heat producers.
- 8/2010 – 11/2010 Study for **Ministry of Industry and Trade of the Czech Republic**: Analysis of impacts on the Industrial Emissions Directive on large combustion facilities.
- 8/2010 – 12/2010 Study for **Ministry of the Environment of the Czech Republic**: Assessment of reducing greenhouse gas emissions in EU countries by 30% compared to 1990.
- 5/2010 – 3/2011 Training for **Ministry of the Environment of the Czech Republic**: Training on Regulatory Impact Assessment (RIA) methods.
- 10/2009 – 1/2010 Study for **Linde Gas**: Application of risk management in process control; Linde Gas a.s.: Impact of economic recession on Linde Gas.

- 8/2009 – 10/2009 Study for **Czech Coal a.s.**: Analysis of impacts of possible methods of permit allocation based on the Climate and Energy Package on Strakonice Heating Plant.
- 11/2008 – 12/2008 Study for **Czech Coal a.s.**: Analysis of economic impacts of increasing air pollution fees on Strakonice Heating Plant and Opatovice Power Plant.

#### **EXPERT POSITIONS IN PROJECTS (SELECTION)**

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- 3/2018 – 12/2022 Project: **SMART ITI: Smart City – Smart Region – Smart Community** (Client: **Ministry of Education, Youth and Sports of the Czech Republic**)
- 5/2016 – 4/2019 Project: Comprehensive model of waste heat utilization in CE regions; **Waste heat recovery model (CE-HEAT)** (Client: **Interreg Central Europe**, priority axis 2: Cooperation on low-carbon strategies in Central Europe)
- 1/2014 – 12/2015 Project: Assessment of cost proportionality of achievement of good status of water bodies (Client: **Technology Agency of the Czech Republic**)
- 1/2014 – 12/2015 Project: Increasing effectiveness of surface water exploitation by strengthening economic tools within existing allocation mechanisms (Client: **Technology Agency of the Czech Republic**)
- 8/2012 - 09/2014 International project: **REFRESH Project** (Adaptive Strategies to Mitigate the Impacts of Climate Change on European Freshwater Ecosystems Central Europe Project)
- 2010 - 2011 Project: SE KLIMA: Socioeconomic analysis of impacts of climate change in relation to water management in the CR – cost effectiveness of water management services and tools for their regulation (Client: **Ministry of Agriculture of the Czech Republic**)
- 1/2010 – 12/2010 Project: Analysis and modelling of impacts of environmental regulation at the microeconomic level (Client: **University of Economics, Prague**)
- 1/2007 – 12/2009 International project: The petrE - Resource Productivity, Environmental Tax Reform and Sustainable Growth in Europe (Client: **Anglo-German foundation**)
- 1/2007 – 12/2007 Project: Application of the hedonic price theory to the labour and property markets in the CR (Client: **University of Economics, Prague**)
- 2007 – 2009 Project: Development of ex-post analysis method for causal relationships between economic and political changes and environmental quality (Client: **Czech Science Foundation**)
- 2007 – 2009 Project: Draft methodology for assessing effectiveness of environmental policy and legislation implementation (Client: **Ministry of the Environment of the Czech Republic**)
- 2006/2007 Project: Analysis of urban consumer and household environmental behaviour with a view to nature protection (Client: **University of Economics, Prague**)
- 2005 – 2007 Project: Innovation of study programme, expansion of study specialisations and promotion of internalisation at the Economic Faculty, University of Economics, Prague (Client: **European Social Fund, Prague Municipal Authority**)

- 2006 Project: Growth of university capacities for sustainable development, no. č. CZ 04.3.07/3.1.01.1/0178 (Client: **European Social Fund, Prague Municipal Authority**)
- 9/2005 - 11/2005 Project: Optimisation of costs of environmental protection (Client: **Ministry of the Environment of the Czech Republic**)

### **SCHOLARSHIPS AND FURTHER EDUCATION (SELECTION)**

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- Course of economic assessment of natural resources using stated preference methods and economic modelling of discrete data (State-of-the-art Modelling, Stated Preference Methods), Swedish University of Agricultural Sciences, Department of Forest Economics, Umeå, Sweden, May 2008.
- Lecture at Research seminar series: University of Gothenburg, Department of Economics, Sweden; 5.12.2014; arranged with Prof. Thomas Sterner and Prof. Gunnar Köhlin. Lecture topic: Effective or expensive environmental regulation? Examples from the Czech Republic.
- Lecture at Ph.D. workshop at the Institute of Agri-food and Land Use, School of Biological Sciences Queen's University Belfast, December 2007.

### **PUBLICATION WORK (SELECTION)**

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VOJÁČEK, O., SOBOTKA, L., MACHÁČ, J., ŽILKA, M. (2018). Impact assessment of Proposal for a Directive on the limitation of emissions from medium combustion plants - National impact assessment compared to the European impact estimate. *Renewable and Sustainable Energy Reviews*, 82, str. 1854-1862.

<https://doi.org/10.1016/j.rser.2017.06.119>.

SLAVÍKOVÁ, Lenka, VOJÁČEK, Ondřej, SMEJKAL, Tomáš. Artificial shortage of surface water: How can water demand management mitigate the scarcity problem?. *Water and Environment Journal*, 2016, <https://doi.org/10.1111/wej.12217>

VOJÁČEK, Ondřej, LOUDA, Jiří. Economic value of ecosystem services in the Eastern Ore Mountains, *E+M Ekonomie a Management*, 2017, vol. 20, no. 3, str. 4 – 18; <https://doi.org/10.15240/tul/001/2017-3-001>

LOUDA, Jiří, VOJÁČEK, Ondřej, PECHHOLDOVÁ, Markéta, BARTÁK, Miroslav: Effect of mass layoffs on health insurance expenditures: the case of the Ostrava region, *E+M Ekonomie a Management*, 2018, XXI, DOI: 10.15240/tul/001/2018-1-002

SLAVÍKOVÁ, L.; MALÝ, V.; ROST, M.; PETRUŽELA, L.; VOJÁČEK, O. Impacts of Climate Variables on Residential Water Consumption in the Czech Republic. *Water Resources Management [online]*, 2013, vol. 27, no. 2, pp. 365-379. ISSN 0920-4741.

VOJÁČEK, O. K pojetí preferencí v ekonomickém myšlení. *Politická ekonomie*, 2011. roč. 59, no. 3, pp. 345-358. ISSN 0032-3233.

VOJÁČEK, O.; PECÁKOVÁ, I. Comparison of discrete choice models for environmental research. *Prague Economic Papers*, 2010, vol. 19, no. 1, pp. 35-53.

VOJÁČEK, O.; ŠAFR, K. Input-output analýza: kvantitativní dopady hodnocení regulací. In: ČIERNIK, A.; KUBICOVÁ, J. *Environmentálna regulácia s využitím dane z energií*. Bratislava: Ekonóm, 2013, pp. 135-151. 160 s. ISBN 978-80-225-3795-7.

ŠAUER, P.; VOJÁČEK, O.; KLUSÁK, J.; ZIMMERMANNOVÁ, J. Introducing Environmental Tax Reform: The Case of the Czech Republic. In: EKINS, P.; SPECK, pp. Environmental Tax Reform (ETR). Oxford: Oxford University Press, 2011, pp. 131-147. 371 s. ISBN 978-0-19-958450-5.

### **Autonomous parts of monographs**

VOJÁČEK, O.; MACHÁČ, J. Eutrofizace v povodí Orlické přehrady: Ekonomicky efektivní stav nebo problém vhodný k řešení? In Vávra, J.; Lapka, M.; Cudlínová, E. (ed.) Ekonomika v souvislostech, Filozofická fakulta Univerzity Karlovy, 2015, pp. 11-38. ISBN 978-80-7308-571-1.

VOJÁČEK, O.; MACHÁČ, J.; SMEJKAL, T. Cost-effectiveness analysis of measures in the Lake Orlík basin to reduce phosphorus contamination of tributaries. In: ŠAUER, P. Providing information for decision making in environmental management: Young scholars' perspective. Litomyšl: Litomyšl Seminar Publishing, 2014. s. 30-41. 125 s. ISBN 978-80-86709-21-5.

VOJÁČEK, O.; SOBOTKA, L.; SMEJKAL, T.; JÍLKOVÁ, J. Posuzování ekonomické přiměřenosti regulace. In: Příručka ochrany kvality ovzduší. Praha: Sdružení společností IREAS centrum, s. r. o., Praha a Vodní zdroje Ekomonitor spol. s. r. o., Chrudim, 2013, pp. 520-528. 640 s. ISBN 978-80-86832-77-7.

KNÁPEK, J.; STREICHER, W.; VOJÁČEK, O.; et al. Energy for Sustainable Development III: Energy Savings - Economics and Links to other Policies. 1st ed. Praha: Alfa Nakladatelství, 2012. ISBN 978-80-87197-54-7.

SLAVÍKOVÁ, L.; VEJCHODSKÁ, E.; SLAVÍK, J.; et al. Ekonomie životního prostředí - teorie a politika. 1. vyd. Praha: Alfa Nakladatelství, 2012. 288 s. ISBN 978-80-87197-45-5. (Další autoři: VOJÁČEK, O.; LOUDA, J.)

JÍLKOVÁ, J.; VOJÁČEK, O. Interlinkages and effective coordination of clean air, climate protection and energy efficiency policies using the abatement cost concept. In: KNÁPEK, J.; STREICHER, W.; VOJÁČEK, O.; et al. Energy for Sustainable Development III: Energy Savings - Economics and Links to other policies. Praha: Alfa Nakladatelství, 2012, pp. 27-52. 94 s. ISBN 978-80-87197-54-7.

VOJÁČEK, O.; PUR, L.; SOBOTKA, L. K metodám analýz dopadů politik životního prostředí na mikroekonomické subjekty. In: HÁJEK, D.; aj. Makroekonomické aspekty environmentálního účetnictví a reportingu. Pardubice: Univerzita Pardubice, 2011. s. 87–94. 277 s. ISBN 978-80-7395-424-6.

VOJÁČEK, O.; PUR, L. Impact of the EU emission trading system on microeconomic level. In: KNÁPEK, J.; HAAS, R.; JÍLKOVÁ, J. Energy for Sustainable Development II. Praha : Alfa Nakladatelství, 2010, pp. 91–118. 323 s. ISBN 978-80-87197-36-3.

MELICHAR, J.; VOJÁČEK, O. Cost-Benefit Analysis of the Water Quality Improvements in Lake Macha. In: ŠAUER, P.; ŠAUEROVÁ, J. Environmental Economics and Management. Praha : Nakladatelství a vydavatelství litomyšlského semináře, 2009, pp. 185–195. 251 s. ISBN 978-80-86709-15-4.

VOJÁČEK, O. Discrete Choice Models: Empirical Application on Water Quality. In: ŠAUER, P. Environmental Economics and Policy – Young Researchers Perspective. Prague : Nakladatelství a vydavatelství litomyšlského semináře, 2008, pp. 128–142. 294 s. ISBN 978-80-86709-14-7.

MELICHAR, J.; VOJÁČEK, O.; RIEGER, P.; JEDLIČKA, K. Application of Hedonic Price Model to Prague Property Market. In: ŠAUER, P. Environmental Economics and Policy – Young Researchers Perspective. Praha : Nakladatelství a vydavatelství litomyšlského semináře, 2008, pp. 105–116. 294 s. ISBN 978-80-86709-14-7.

KREUZ, J.; VOJÁČEK, O. Firma a životní prostředí. 1.vyd. Praha : Oeconomica, 2007. 263 s. ISBN 978-80-245-1254-9.

VOJÁČEK, O. Eutrofizace vod a dobrovolné dohody v ochraně životního prostředí. In: ŠAUER, P.; LISA, A.; aj. Environmentální ekonomie a politika: Výukové případové studie. Praha : UK, 2007, pp. 16–58. ISBN 978-80-87076-08-8.

VOJÁČEK, O.; JÍLKOVÁ, J. Klimatická změna – problémy a cesty řešení. In: ŠAUER, P.; LISA, A.; aj. Environmentální ekonomie a politika: Výukové případové studie. Praha : UK, 2007, pp. 118–160. ISBN 978-80-87076-08-8.

ŠAUER, P.; VOJÁČEK, O. Environmental Tax Reform in the Czech Republic: Results of a Qualitative Survey in Businesses. Mechanism of Economic Regulation, 2009, Vol. 11, No. 1, pp. 31-41. ISSN 1726-8699.

ŠAUER, P.; VOJÁČEK, O. Environmental Tax Reform in the Czech Republic. Sumy 29.04.2009 – 02.05.2009. In: Economics for Ecology. Sumy : Sumdu, 2009, pp. 124–130. ISBN 978-966-657-245-8.

#### **Articles in Czech peer-reviewed journal**

VOJÁČEK, Ondřej, MACHÁČ, Jan, SOBOTKA, Ladislav. Hodnocení ekonomických dopadů návrhu směrnice pro střední spalovací zařízení. PRO-ENERGY magazín, 2014, vol. 8, no. 4, pp. 46–47. ISSN 1802-4599.

VOJÁČEK, Ondřej, MELICHAR, Jan, RIEGER, Pavel. Measuring the Value of Urban Forest using the Hedonic Price Approach. Regionální studia, vol. 4, no. 1.2009