



prof. Ing. Lukáš Čechura, Ph.D.

Lukáš Čechura is a full professor at the Czech University of Life Sciences Prague. He has more than 20 years of experience in applied econometric modelling. His research work has a strong focus on productivity and efficiency analysis, assessment of CAP and theoretical and empirical modelling of the agri-food market functioning and market power in agri-food chains. He has contributed to a large number of international as well as national research projects and has extensive experience with expert and consultation work.



KAMYCKA 129, PRAHA-SUCHDOL



CECHURA@PEF.CZU.CZ



[ORCID.ORG/LUKAS CECHURA](https://orcid.org/lukec)



[IN/LUKAS CECHURA](https://in.linkedin.com/in/lukec)



[HOME.CZU.CZ/CECHURA](http://home.czu.cz/cechura)



WORK EXPERIENCE

01/10/2017–Present

Full professor

Research: leader of research projects. The research is focused on productivity and efficiency analysis, theoretical and empirical modelling of agri-food markets and the assessment of CAP.

Education: teacher of courses in Econometrics, Forecasting methods, Quantitative methods, Microeconomics for MSc., MBA and Ph.D. programs.

Management: coordinator of department research activities (Department of Economics); Head of Ph.D. program in Business Economics.

Other: expert and consultations work; organization of EAAE congress; member of scientific committees, journal board and research associations; reviewer of scientific papers.

01/03/2006–01/02/2017

Head of the company

C&M Consult CZ, s.r.o.

- Management
- Econometric analyses for various projects and business plans - economic consultant services

01/09/2009–30/09/2017

Associate professor

Research: leader of research projects. The research is focused on productivity and efficiency analysis, theoretical and empirical modelling of agri-food markets and the assessment of CAP.

Education: teacher of courses in Econometrics, Forecasting methods, Quantitative methods, Microeconomics for MSc., MBA and Ph.D. programs.

Management: coordinator of department research activities (Department of Economics).

Other: expert and consultations work; organization of seminars and workshops; member of scientific committees, journal board and research associations; reviewer of scientific papers.

1/04/2004–31/08/2010

Assistant professor

Research: member of research projects. The research is focused on theoretical and empirical modelling of agri-food markets.

Education: teacher of courses in Econometrics, Investments and Finance. Business or sector University; Research

2010–2014

City of Mělník, councilor

Support of cultural and sports activities, organization of local events, development of tourism, distribution of funds in these areas.

EDUCATION AND TRAINING

19/06/2017

Full professor

Czech University of Life Sciences Prague, Prague (Czech Republic) Economics

01/02/2010–18/06/2017

Associate professor

Czech University of Life sciences Prague, Prague (Czech Republic)
Habilitation in Economics (Thesis: Sources of Growth of Czech Agriculture)

01/10/2008–09/01/2009

Training on Econometric modelling

Faculty of Mathematics and Physics, Charles University, Prague (Czech Republic)

14/07/2008–20/07/2008

Training on Advanced Techniques in General Equilibrium Modelling using GAMS ECOMOD,

Brussels (Belgium)

01/10/2001–17/02/2005

Ph.D. in Economics

Czech University of Life Sciences Prague, Prague (Czech Republic)
Thesis: The impact of loans on economic equilibrium in Czech agriculture - (econometric analysis)

22/09/2003–31/01/2004

Ph.D. research stay

Training on Economics and Econometrics The University of Plymouth, Plymouth (United Kingdom)

17/11/2002–30/11/2002

Training seminar on Land Use and Management

The International Centre for Land Policy Studies and Training, Taoyuan (Taiwan, Republic of China)
Macroeconomic analysis, Fiscal policy and Administration

01/10/1999–11/06/2001

MSc. in Economics and Management

Czech University of Life Sciences Prague, Prague (Czech Republic)

PERSONAL SKILLS

Mothers tongue(s) Czech

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
German	C1	C1	B2	B2	B2
Slovak	C2	C2	C1	C1	C1
Russian	A2	A2	A2	A2	A1

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 good communication and mediation skills

Organisational / managerial skills experience in leading a large research group (up to 70 people)
experience in leading research projects
good organisational skills and team-leading skills

Job-related skills extensive experience in econometric and economic modelling;
extensive experience production economics - productivity and efficiency analysis;
extensive experience in the CAP assessment;

Digital skills - Self-assessment grid

Advanced user:
R, Stata, Limdep, RATS, Gaus, MS Office (Excel, Word, Power Point).

Driving licence B

ADDITIONAL INFORMATION

List of temporal scientific visits

01-02/2017 OECD – Trade and Agriculture Directorate – Paris, France – “Evaluating Agricultural Productivity and Sustainability at the Farm Level ”

09-10/2016 OECD Trade and Agriculture Directorate – Paris, France – „A quantitative analysis of EC FADN data for 24 EU member states”.

07/2011 - Department of Business and Social Sciences at the Nova Scotia Agricultural College – stay in Florida, USA – research activities – project – „Specification and Estimation of Government Payments Equations”.

03/2010 - Department of Business and Social Sciences at the Nova Scotia Agricultural College, Canada – research activities – project „Market Power and Instability in the Canadian Livestock Industry”.

15. 8. 2010 – 30. 8. 2010 – IAMO Halle, Germany – research activities

10. 6. 2009 – 10. 8. 2009 – IAMO Halle, Germany – research activities

15. 6. 2007 – 15. 9. 2007 – IAMO Halle, Germany – research activities 09/2003-01/2004 The University of Plymouth – Ph.D. research stay

PROJECTS

EU projects:

HORIZON EUROPE - BrightSpace – Designing a Roadmap for Effective and Sustainable Strategies for Assessing and Addressing the Challenges of EU Agriculture to Navigate within a Safe and Just Operating Space, (2022 – 2027 – starting November 2022); Contract No. 101060075

HORIZON 2020 – VALUMICS - Understanding food value chains and network dynamics,(2017 – 2021); Contract No. 727243.

7th FP - COMPETE - International comparisons of product supply chains in the agri-food sectors: determinants of their competitiveness and performance on EU and international markets, (2012 – 2015); Contract No. 312029; Work package (WP 6) leader and CULS leader.

7th FP - CERTCOST – Economic analysis of certification systems for organic food and farming, (2008 – 2011).

6 RP - Grain Legumes Integrated Project FOOD – CT 2004 – 506223, (2004 - 2008); CULS leader.

Other research projects:

NAZV – Precision agriculture and digitization in the Czech Republic, (2023 – 2025), project No. QK23020058, coordinator and project leader.

NAZV – Development and verification of model systems of long-term carbon sequestration in the Czech Republic, (2023 – 2025), Project No. QK23020056.

NAZV - Implementation of BPEJ innovations into the state administration system, (2022-2024), Project No. QK22020130.

TAČR - SEEPIA - Center for socio-economic research on environmental policy impact assessment, (2021 – 2026); CZU group leader

NAZV - Duality in Czech agriculture: advantage or disadvantage for new generation agriculture? (2019 – 2021); Projekt č. QK1920398; coordinator and project leader.

NAZV - Innovation of the agricultural land credit system (BPEJ) for the needs of the state administration, (2019-2021); Project leader No. QK1920280.

LaScala – International Competence Center on Large Scale Agriculture; (2017 – 2020).

OECD – Trade and Agriculture Directorate – Paris, France – Evaluating Agricultural Productivity and Sustainability at the Farm Level; Solution: 2016 - 2017.

NAZV – Optimisation of agricultural subsidies system with respect to the production of public goods, (2014 – 2016); Contract No. QJ1530286; Coordinator and project leader

Institutional research intention of Ministry of Education, Youth and Sport – MSM 6046070906 – Economics of recourses of Czech agriculture and their effective employment in frame of multifunctional agri-food systems, (2007 – 2012); Coordinator of the research intention; WP leader.

A Commissioned Study for The Structure and Performance Agriculture and Agri-products Industry, Agricultural Policy Research Network - „Market Power and Instability in the Canadian Livestock Industry“, (2009 – 2010).

GACR – Forecasting and simulation models of credit rationing impact on economic equilibrium in Czech agriculture, (2006 - 2008); postdoc.

AKTION: Der Einfluss der Kreditfinanzierung auf ökonomische Ergebnisse der landwirtschaftlichen Betriebe und die Entwicklungsmöglichkeiten der ökologischen Landwirtschaft, 2003.

Internal Grant Agency of the Faculty of Economics and Management, Czech University of Life Sciences Prague – more than 5 projects from 2005 related to the econometric analysis of agricultural and food markets.

EXPERT AND CONSULTATION WORK

2022 - Coresearcher in UNDP project "Assessment of the Cost and Benefits of Climate Change Adaptation in Agriculture, Forestry and Water Management Sectors of Tajikistan, UNDP, 115-2021-RFP"

2017 – present – Chair of Local Organizing Committee – Congress EAAE 2020 Prague

2017 – present – Evaluator of the research and investigation for the government of the Czech Republic

2016 – 2017 – OECD – external advisor

2015 Expert body of Ministry of Agriculture of the Czech Republic for formation of Strategy of Czech agriculture – Member Document: 'Strategy of Agrarian Sector until 2020 with an overlap until 2030'

2012 – 2014 – Ministry of Agriculture of the Czech Republic: Analysis and justification of setting the LFA payments

2012 – 2013 – Expert body of Ministry of Agriculture of the Czech Republic for creation of Strategy of Czech agriculture – Member Document: 'Strategy for a Growth: Czech agriculture and food processing industry in frame of CAP after 2013'

2012 – 2013 – Expert body of Ministry of Agriculture of the Czech Republic for CAP – Member

12/2011 – 01/2012 – Evaluator of EU 7. RP project – Evaluation of proposals submitted under Activity2.2: Fork-to-farm: food (including seafood), health and well-being; Call FP7-KBBE-2012-6

2010 – present – member of Internal Grant Agency (IGA) – FEM CULS Prague (2010 – 2013 – Chair of the IGA)

2014 – present - member of CULS Grant Agency (CIGA) – CULS Prague

2013 – member of the committee - G5 FRVŠ – Ministry of Education, Youth and Sport of the Czech Republic

MEMBERSHIPS

Board of Czech Academy of Agricultural Sciences - 2021 - present

Chair of OeRSI - Czech Academy of Agricultural Sciences - 2021 -present

Member of the Scientific Board of the Institute of Agricultural Economics and Information (UZEI) – 2016 – present

Member of the Scientific Board of the Czech University of Life Sciences Prague, Faculty of Economics and Management, 2017 – present

Member of the Scientific Board of Slovak University in Nitra, Faculty of Economics and Management, 2022 – present

Member of PhD. Study Board – Business and Sector Economics, Czech University of Life Sciences Prague, Faculty of Economics and Management (2010 – present)

Member of PhD. Study Board – Business and Sector Economics, Slovak University in Nitra, Faculty of Economics and Management (2010 – present)

Member of Editorial board – Agricultural Economics (Czech) (2020 – present)

Member of Editorial board – Agris on-line Papers in Economics and Informatics (2012 – present)

Member of OECD Farm-Level Analysis Network (2016 – present) Agricultural Economics Society
European Association of Agricultural Economists Czech Economic Society

PUBLICATIONS (SELECTED)

ČECHURA, L. – SAMOGGIA, A. – JAGHDANI, T.J. Concentration, market imperfections, and interbranch organization in the Italian processed tomato supply chain, *Agricultural Economics*, Volume 55, Issue 4, pp. 603 -620.

BOKUSHEVA, R - ČECHURA, L - KUMBHAKAR, SC. Estimating persistent and transient technical efficiency and their determinants in the presence of heterogeneity and endogeneity, *Journal of Agricultural Economics*, Volume 74, Issue 2, 2023, pp. 450-472
TIAN, QS - ČECHURA, L - CLARK, JS - YU, Y. Induced innovation and spillover effects of US and Canadian research expenditures in Canadian agriculture, *Canadian Journal of Agricultural Economics*, Apr. 2023 (early access)

BAJAN, B., ŁUKASIEWICZ, J., MRÓWCZYŃSKA-KAMIŃSKA, A. & ČECHURA L. (2022). Emission intensities of the food production system in the European Union countries, *Journal of Cleaner Production*, Vol. 363, 11 p., ISSN 0959-6526

ČECHURA, L., KROUPOVÁ ŽÁKOVÁ, Z. & LEKEŠOVÁ, M. (2022). Productivity and efficiency in Czech agriculture: Does farm size matter? *Agricultural Economics (Czech)*, 68(1)

MCGARRAGHY, S., OLAFSDOTTIR, G., KAZAKOV, R., HUBER, É., LOVELUCK, W., GUDBRANDSDOTTIR, I.Y., ČECHURA, L., ESPOSITO, G., SAMOGGIA, A., AUBERT, P.-M., BARLING, D., ĐURIĆ, I., JAGHDANI, T.J., THAKUR, M., SAVIOLIDIS, N.M. & BOGASON, S.G. (2022). Conceptual System Dynamics and Agent-Based Modelling Simulation of Interorganisational Fairness in Food Value Chains: Research Agenda and Case Studies. *Agriculture*. 12(2):280. <https://doi.org/10.3390/agriculture12020280>

BOJNEC, Š., ČECHURA, L., FAŁKOWSKI, J. & FERTŐ, I. (2021). Agri- food Exports from Central- and Eastern-European Member States of the European Union are Catching Up. *EuroChoices*, 20(1), 11–19. <https://doi.org/10.1111/1746-692X.12307>

BENEDEK, Z., FERTŐ, I., GALAMBA MARREIROS, C., MOSSMANN DE AGUIAR, P., POCOL, C. B., ČECHURA, L., PÖDER, A., PÄÄSO, P. & BAKUCS, Z. (2021). Farm diversification as a potential success factor for small-scale farmers constrained by COVID-related lockdown. Contributions from a survey conducted in four European countries during the first wave of COVID-19. *PLOS ONE*, 16(5), e0251715. <https://doi.org/10.1371/journal.pone.0251715>

HASSAN PISHGAR-KOMLEH, S., ČECHURA, L. & KUZMENKO, E. (2021). Investigating the dynamic eco-efficiency in agriculture sector of the European Union countries. *Environmental Science and Pollution Research*, 28, 48942–48954. <https://doi.org/10.1007/s11356-021-13948-w/Published>

ČECHURA, L. & JAGHDANI, T. J. (2021). Market Imperfections within the European Wheat Value Chain: The Case of France and the United Kingdom. *Agriculture*, 11(9), 838. <https://doi.org/10.3390/AGRICULTURE11090838>

ČECHURA, L., KROUPOVÁ, Z. Ž. & BENEŠOVÁ, I. (2021). Productivity and Efficiency in European Milk Production: Can We Observe the Effects of Abolishing Milk Quotas? *Agriculture*, 11(9), 835. <https://doi.org/10.3390/agriculture11090835>

ČECHURA, L. & ŽÁKOVÁ KROUPOVÁ, Z. (2021). Technical Efficiency in the European Dairy Industry: Can We Observe Systematic Failures in the Efficiency of Input Use? *Sustainability*, 13, 1830. <https://doi.org/10.3390/su13041830>

ČECHURA, L., ŽÁKOVÁ KROUPOVÁ, Z. & SAMOGGIA, A. (2021). Drivers of Productivity Change in the Italian Tomato Food Value Chain. *Agriculture*, 11(10), 996. <https://doi.org/10.3390/agriculture11100996>

ČECHURA, L., GRAU, A., HOCKMANN, H., LEVKOVYCH, I. & KROUPOVA, Z. (2017). Catching Up or Falling Behind in European Agriculture: The Case of Milk Production, *Journal of Agricultural Economics*, Vol. 68, No. 2., pp. 206 – 227

BOKUSHEVA, R. & ČECHURA, L. (2017), Evaluating dynamics, sources and drivers of productivity growth at the farm level, OECD Food, Agriculture and Fisheries Papers, No. 106, OECD Publishing, Paris. <http://dx.doi.org/10.1787/5f2d0601-en>

ČECHURA, L. & HOCKMANN, H. (2017). Heterogeneity in Production Structures and Efficiency: An Analysis of the Czech Food Processing Industry, *Pacific Economic Review*, Vol. 22, No. 4, pp. 702-719

ČECHURA, L., KROUPOVÁ, Z. & RUDINSKAYA, T. (2015) Factors Determining TFP Changes in Czech Agriculture. *Agricultural Economics (Zemědělská ekonomika)*, Vol. 61, No. 12, pp. 543 – 551

CLARK, J., ČECHURA, L. & THIBODEAU, D. (2013) Simultaneous Estimation of Cost and Distance Function Share Equations. *CANADIAN JOURNAL OF AGRICULTURAL ECONOMICS-REVUE CANADIENNE D'AGROECONOMIE*, Vol. 61, No. 4, pp. 559-581

ČECHURA, L. & HOCKMANN, H. (2010) Sources of Economical Growth in the Czech Food Processing. *Prague Economic Papers*, Vol. 19, No. 2, pp. 169-182

ČECHURA, L. (2009) The impact of credit constraint on farmer's economic equilibrium. *Agricultural Economics (Zemědělská ekonomika)*, Vol. 55, No. 11, pp. 541-549