

Olli-Pekka Kuusela (PhD, Docent)

Curriculum Vita, September 2024

Office Address:

UNU-WIDER United Nations University
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Education

Ph.D. 2013 Virginia Tech (Forestry and Forest Products)
M.A. 2010 Virginia Tech (Economics)
B.S. 2008 University of Helsinki (Social Sciences)

Research Interests

Environmental and Resource Economics, Development Economics, Climate Policies, Just Transition, Structural Change, Sustainable Development.

Academic & Research Positions

- Research Fellow (P-4), UNU-WIDER United Nations University World Institute for Development Economics Research, Sep 2024–.
- Researcher, ETLA Economic Research, Aug 2021–Aug 2024.
- Title of Docent, Environmental and Resource Economics, Faculty of Agriculture and Forestry, University of Helsinki, Sep 2023.
- Assistant Professor, Department of Forest Engineering, Resources and Management, College of Forestry, Oregon State University, Sep 2015–Jul 2021. *Scheduled review for tenure promotion: AY 2021-2022.*
 - Courtesy Faculty, Department of Applied Economics, College of Agricultural Sciences, Oregon State University.
- Principal Research Scientist and Researcher, Natural Resources Institute Finland (Luke), MTT Agrifood Research Finland, METLA Finnish Forest Research Institute, 2013–2015.
- Graduate Research Assistant, Department of Forest Resources and Environmental Conservation, College of Natural Resources and Environment, Virginia Tech, 2008–2013.
- Dissertation Fellow, Inter-American Development Bank, Research Department, Washington DC, 2012.

Editorships

- *Forestry: An International Journal of Forest Research*, Economics Editor, 2019–2021.
- *Forest Policy and Economics*, Invited Guest Editor, Faustmann Symposium 2019 Special Section.

Refereed Publications

19. Rossi, D., Rushakoff, B., and O.P. Kuusela. 2023. "Impacts of the Small-Tract Forestland (STF) Tax Program on Forestland Use in Oregon." *Forest Science*, 69(5):498-509.
18. Rossi, D. and O.P. Kuusela. 2023. "Carbon and timber management in Western Oregon under tax-financed investments in wildfire risk mitigation." *Journal of Agricultural and Resource Economics*, 48(2):376-397.
17. Zhai, J. and O.P. Kuusela. 2023. "An Econometric Study of Oregon's Log and Lumber Markets: Estimation of Price Elasticities Using Two Approaches." *Forest Policy and Economics* 149.
16. Rossi, D., O.P. Kuusela, and C. Dunn. 2022. "A microeconomic analysis of wildfire suppression decisions in the western United States." *Ecological Economics* 200.
15. Zhai, J. and O.P. Kuusela. 2022. "Incidence of domestic subsidies vs. export taxes: An equilibrium displacement model of log and lumber markets in Oregon." *Forest Policy and Economics* 135.
14. Bruck, S. and O.P. Kuusela. 2021. "How Health and Market Access Associate with Agroforestry Decisions: Evidence from Tabora, Tanzania." *Agroforestry Systems* 95:1073-1086.
13. Rossi, D, Zhai, J., and O.P. Kuusela. 2021. "Measuring the Value of Softwood Log Exports: Evidence from Oregon." *Journal of Forestry* 119(4):351-362.
12. Kuusela, O.P. and J. Lintunen. 2020. "Modeling Market-Level Effects of Disturbance Risks in Age Structured Forests." *Forest Policy and Economics* 118.
11. Zhai, J. and O.P. Kuusela. 2020. "Estimating price dynamics in the aftermath of forest disturbances: The Biscuit Fire in southwest Oregon." *Forest Science* 66:556-567.
10. Rossi, D. and O.P. Kuusela. 2020. "The influence of risk attitudes on suppression spending and on wildland fire program budgeting." *Forest Policy and Economics* 113.
9. Kuusela, O.P. and T. Laiho. 2020. "The role of research in common pool problems." *Journal of Environmental Economics and Management* 100.
8. Kuusela, O.P. and J. Lintunen. 2020. "A cap-and-trade commitment policy with allowance banking." *Environmental and Resource Economics* 75:421–455.

7. Kuusela, O.P., Bowman, M. S., Amacher, G. S., Howarth, R. B., and N. T. Laporte. 2020. "Does infrastructure and resource access matter for technical efficiency? An empirical analysis of fishing and fuelwood collection in Mozambique." *Environment, Development and Sustainability* 22:1811–1837.
6. Kuusela, O.P. and J. Lintunen. 2019. "Financial valuation and the optimal rotation of a fully regulated forest." *Canadian Journal of Forest Research* 49(7):819–825.
5. Rossi, D., and O.P. Kuusela. 2019. "Cost plus net value change (C+NVC) revisited: A sequential formulation of the wildfire economics model." *Forest Science* 65(2):125–136.
4. Lintunen, J., and O.P. Kuusela. 2018. "Business cycles and emission trading with banking." *European Economic Review* 101:397–417.
3. Kuusela, O.P., Amacher, G.S., and K. Moeltner. 2017. "Enforcing the rules in timber concessions: Performance bonding in the presence of corruption risk." *Forest Policy and Economics* 85:52–64.
2. Kuusela, O.P., and G.S. Amacher. 2016. "A review of performance bonding in forest policy settings." *Current Forestry Reports* 2(3):189–200.
1. Kuusela, O.P., and G.S. Amacher. 2016. "Changing political regimes and tropical deforestation." *Environmental and Resource Economics* 64(3):445–463.

Book Chapters

- Kuusela, O.P. 2021. "Performance Bonding for Environmental Protection." Oxford Encyclopedia of Environmental Economics. Senior Editor: Dr. Jim Kahn.

Other Publications

12. Ali-Yrkkö, J., Kuusela, O.P. and T. Kuusi. 2024. "Geopolitics is Changing the Global Economy". ETLA Report 150.
11. Kuosmanen, N., Kaitila, V., Kuusela, O.P., Lintunen, J., Maczulskij, T. and T. V. Valkonen. 2023. "Transition to carbon neutrality: Implications for productivity, competitiveness and investments." Publications of the Government's Analysis, Assessment and Research Activities 2023:62.
10. Kauhanen, A. and O.P. Kuusela. 2023. "Changing composition of workforce and skills during green transition." Finnish Labour Review 3/2023. Ministry of Economic Affairs and Employment.

9. Kuusela, O.P., Mykrä N., Jousilahti, J., Neuvonen, A., Arola, T., Markkanen, I., Nokkala, T., Lehtonen, A., Heikkinen, H., Oinonen, I., Alhola, K., Huttunen, S., Paloniemi, R., Pohjola, J. and T. Saarinen. 2023. "Skills and education needs in the green transition VISIOS." Publications of the Government's Analysis, Assessment and Research Activities 2023:31.
8. Kuusi T., Kuusela O.P., Puonti P., Ropponen O., Valkonen T. and V. Vihriälä. 2023. "General government fiscal frameworks and their development needs in Finland." Publications of the Government's analysis, assessment and research activities 2023:21.
7. Valkonen, T., Kuusi, T., Pohjola, J., Sillanaukee, O., Kuusela, O.P., Lehmus, M., Lintunen, J., Sarkia, K., and S. Fronzek. 2023. "Macroeconomic Impact of Climate Change on Public Finances." Publications of the Government's Analysis, Assessment and Research Activities 2023:17.
6. Kuusela, O.P., and J. Lintunen. 2022. "Electricity Markets in a State of Crisis: An Overview of the Suggested Policy Measures." Etna Brief 113.
5. Kaitila, V., O.P. Kuusela, T. Kuusi, J. Pohjola, and S. Soimakallio. 2022. "Revisiting the Economic Impacts of the EU CBAM on Finland and the EU." Etna Reports 128.
4. Deegen, P., R.J. Brazee, and O.P. Kuusela. 2020. "The Sixth International Faustmann Symposium: The mathematical way of thinking continues to yield." *Forest Policy and economics* 120.
3. Kuusela, O.P., D. Rossi, G. Latta, P. Watson, and T. Nadreu. 2019. "Forest Resources and Markets: Trends and Economic Impacts. The 2019 Forest Report." Oregon Forest Research Institute (OFRI).
2. Lintunen, J., and O.P. Kuusela. 2015. "Optimal Management of Markets for Bankable Emissions Permits." Nota di Lavoro 48.2015, Milan, Italy: Fondazione Eni Enrico Mattei.
1. Kuusela, O.P., Amacher, G.S., Tsang K.P. 2013. "Intensity-based permit quotas and the business cycle: does flexibility pay off?" IDB Working Paper Series, No. 450.

Total External Funding Received as a Principal Investigator 820,000 EUR (910,000 USD)

On-Campus Courses Developed & Offered

- YET 217, Economic Models of Forest Management and Conservation, 2022, Uni. Helsinki.
- FOR 330, Forest Resource Economics II, 4 cr, 2018–2020, OSU.
- FOR 330, Forest Resource Economics I, 4 cr, 2016–2017, OSU.
- FOR 431/531, Economics and Policy of Forest Wildland Fire, 3 cr, 2017–2020, OSU.
- FOR 534, Economics of the Forest Resource, 3 cr, 2017–2020, OSU.
- FOR 605, R&C Advanced Readings in Forest and Development Economics, OSU.

- FOR 505, R&C Economics and Policy of Forest Carbon Offsets, OSU.
- ECON 4014, Environmental Economics, 2009, Virginia Tech.

Ecampus Courses Developed & Offered

- FOR 431/531, Economics and Policy of Forest Wildland Fire, 3 cr, 2020, OSU.

Instructor in Workshops and Continuing Education Courses

- Forest Economics Modules I & II in the National Advanced Silviculture Program's Inventory/Monitoring and Decision Support unit (NASP-IMDS), 2017–2019.

Guest Lectures

- FOR 456 (2017–2021) – International Forestry: *Boreal Forests*. Instructor: Dr. John Sessions and Dr. Badege Bishaw.
- FOR 550 – Sustainable Forest Management – Fall 2020. *Economics of Sustainable Forestry*. Instructor: Dr. Temesgen Hailemariam.
- FOR 550 – Sustainable Forest Management – Winter & Fall 2019. *Economics of Sustainable Forestry*. Instructor: Dr. Temesgen Hailemariam.

Graduate Student Advising

- Sonia Bruck (co-advisee), Ph.D., Forest Ecosystems and Society, defended 09/2020.
- David Rossi, Ph.D., Applied Economics, defended 04/2021.
- Benjamin Rushakoff, M.S., Sustainable Forest Management, defended 05/2021.
- Jun Zhai, Ph.D., Sustainable Forest Management, defended 06/2021.

Graduate Student Committee Service

- Ville Hakkarainen, Ph.D. student, University of Helsinki.
- Chantal Tumpach, Ph.D. student, Sustainable Forest Management.
- Gretchen Engbring, Ph.D., Forest Ecosystems and Society, defended 08/2020.
- Duckha Jeon, M.S., Sustainable Forest Management, graduated 06/2020.
- Tu Nguyen, Ph.D., Applied Economics, graduated 06/2020.
- Ji She, Ph.D., Sustainable Forest Management, graduated 06/2019.
- Lu Shi, Ph.D. student, Public Health (Graduate Council Representative)

External Examiner for Ph.D. Theses

- Aino Assmuth, “Economics of carbon storage in heterogeneous forests.” Department of Forest Sciences, Faculty of Agriculture and Forestry, University of Helsinki.
- Jenni Miettinen, “Essays on optimal forest management and water protection.” Department of Economics and Management, Faculty of Agriculture and Forestry, University of Helsinki.

Fellowships and Awards

- Western Agricultural Economics Association’s 2024 Outstanding JARE Article Award. Rossi D. and Kuusela O.P., “Carbon and Timber Management in Western Oregon under Tax-Financed Investments in Wildfire Risk Mitigation.” *Journal of Agricultural and Resource Economics* 48, no. 2 (2023).
- Ecampus Professional Development Opportunity Award, 2019.
- Dissertation Fellowship, Inter-American Development Bank, Research Department, Washington DC, 2012.
- 1st place, “Changing Political Regimes and Tropical Deforestation”, GSA 27th Annual Graduate Student Symposium, Virginia Tech, 2011.

Professional Activities and Service

Department

- Area of Concentration Lead, Forest Policy Analysis and Economics, Oregon State University, 2016–2021.
- Member of the Promotion and Tenure Committee, Oregon State University, 2017–2019.

College

- Recruitment Committee, Professor/Assistant Professor of Agricultural Economics, Faculty of Agriculture and Forestry, University of Helsinki, 2024.
- Dunn and Bowerman Student Awards Selection Committee, Oregon State University, 2017.
- Undergraduate Scholarship Review Committee, Oregon State University, 2021.

University

- Laurels Reviewer Committee, Oregon State University, 2018–2020.
- Peer Evaluation of Teaching Committee Member, AEC 550, 2018.

Profession

- Member of Master's Thesis Award Panel, World Energy Council Finland & Finnish Association of Energy Economists, 2022, 2024.
- Member of the National IPCC Working Group, 2021-2024.
- Evaluation panel member, Strategic Research Council (SRC) 2023, Academy of Finland.
- Discussant, Majvik PhD workshop, 2021, 2022.
- Economics Editor, *Forestry: An International Journal of Forest Research*.
- Guest Editor, *Forest Policy and Economics*.
- Session Chair in Environmental Policy, 2018 World Congress of Environmental and Resource Economists, Gothenburg. (June 26, 2018).
- Pre-Proposal Reviewer for the Swiss Programme for Research on Global Issues for Development, 2017.
- Western Forest Graduate Research Symposium, judge at oral sessions, 2017.
- Member of the Program Committee, EAERE 2015.

Public

- Member of Advisory Committee, "Economic Study on the Impact of the 2020 Labor Day Fires on the Oregon Forest Sector," Oregon Forest Research Institute (OFRI).

Professional Development and Awards

- GAMS Basics to Advanced 6-day course by Dr. Bruce McCarl, 2021.
- Course Design Institute, 3-day intensive workshop, Fall 2019, Center for Teaching and Learning, Oregon State University.
- Ecampus Developing an Online Course, 6-week workshop, Fall 2019, Oregon State University.
- Ecampus Professional Development Opportunity Award, \$1500, Fall 2019, Oregon State University.
- Computational Economics workshop, Instructor: Christoph Böhringer, Umeå, Sweden, 2014.