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<https://scholar.google.com/citations?user=bZzggCkAAAAJ&hl=en>

CURRENT POSITION

Professor, Department of Applied Economics, Oregon State University.
July 2019 – Present.

PREVIOUS POSITIONS

Associate Professor, Department of Applied Economics, Oregon State University.
July 2013 – July 2019.

Assistant Professor, Department of Agricultural and Resource Economics, Oregon State University. July 2007 – June 2013.

Assistant Professor, Department of Economics, Tulane University. July 2003 – June 2007

EDUCATION

Oregon State University, Ph.D., Agricultural and Resource Economics. 2003

University of Wisconsin, Madison, M.S., Economics. 1995

Kalamazoo College, B.A., Economics, *magna cum laude*. 1992

HONORS AND AWARDS

F.E. Price/Agricultural Research Foundation Award for Excellence in Research, College of Agricultural Sciences, Oregon State University, 2018.

D. Barton DeLoach Distinguished Graduate Fellowship in Economics, Oregon State University, 2000.

Emery Castle Graduate Scholarship in Economics, Oregon State University, 1999.

Oregon Sports Lottery Scholarship, Oregon State University, 1999.

William G. Howard Memorial Award in Economics, Kalamazoo College, 1992.

Phi Beta Kappa, Kalamazoo College, 1992.

PUBLICATIONS

JOURNAL ARTICLES

Bill Jaeger, Adell Amos, David Conklin, Christian Langpap, Kathleen Moore, and Andrew Plantinga. 2019. Understanding the Scope and Limitations of Drought Management with Human-Natural System Models. *Nature Sustainability* 2(8): 710 – 717.

Laura Grant and Christian Langpap. 2019. Private Provision of Public Goods: Evidence from the Effect of Environmental Groups on Water Quality. *Proceedings of the National Academy of Sciences* 116(12): 5334 – 5340.

Amy Ando and Christian Langpap. 2018. The Economics of Species Conservation. *Annual Review of Resource Economics* 10: 445 - 467.

Christian Langpap, Joe Kerkvliet, and Jason Shogren. 2018. The Economics of the U.S. Endangered Species Act: A Review of Recent Developments. *Review of Environmental Economics and Policy* 12(1): 69 – 91.

William K. Jaeger, Adell Amos, Daniel P. Bigelow, Heejun Chang, David R. Conklin, Roy Haggerty, Christian Langpap, Kathleen Moore, Phil Mote, Anne Nolin, Andrew J. Plantinga, Cynthia Schwartz, Desiree Tullos, and David T. Turner. 2017. Finding Water Scarcity Amid Abundance Using Human-Natural System Models. *Proceedings of the National Academy of Sciences* 114(45): 11884 – 11889.

Christian Langpap and JunJie Wu. 2017. Thresholds, Perverse Incentives, and Preemptive Conservation of Endangered Species. *Journal of the Association of Environmental and Resource Economists* 4(S1): S227 – S259.

Dan Bigelow, Andrew Plantinga, David Lewis, and Christian Langpap. 2017. How Does Urbanization Affect Water Withdrawals? Insights from an Econometrics-Based Landscape Simulation. *Land Economics* 93: 413-436.

Roger Claassen, Christian Langpap, and JunJie Wu. 2017. Impacts of Federal Crop Insurance on Land Use and Environmental Quality. *American Journal of Agricultural Economics* 99(3): 592-613.

Taeyoung Kim and Christian Langpap. 2016. Agricultural Landowners' Response to Incentives for Afforestation. *Resource and Energy Economics* 43: 93 - 111.

Beau Olen, JunJie Wu and Christian Langpap. 2016. Irrigation Decisions for Major West Coast Crops: Water Scarcity and Climatic Determinants. *American Journal of Agricultural Economics* 98(1): 254-275.

Taeyoung Kim and Christian Langpap. 2015. Incentives for Carbon Sequestration Using Forest Management. *Environmental and Resource Economics* 62(3): 491 – 520.

JunJie Wu and Christian Langpap. 2015. The Price and Welfare Effects of U.S. Biofuel Mandates and Subsidies. *Environmental and Resource Economics* 62(1): 35-57.

Christian Langpap. 2015. Voluntary Agreements and Private Enforcement of Environmental Regulation. *Journal of Regulatory Economics* 47(1): 99 – 116.

John Edwards and Christian Langpap. 2012. Fuel Choice, Indoor Air pollution, and Children's Health. *Environment and Development Economics* 17(4): 379-406. Lead article.

Christian Langpap and Joe Kerkvliet. 2012. Endangered Species Conservation on Private Land: Assessing the Effectiveness of Habitat Conservation Plans. *Journal of Environmental Economics and Management* 64(1): 1 – 15. Lead article.

Biao Huang, Christian Langpap, and Richard Adams. 2012. The Value of In-stream Water Temperature Forecasts for Fisheries Management. *Contemporary Economic Policy* 30(2): 247-261.

Biao Huang, Christian Langpap, and Richard Adams. 2011. Using In-stream Water Temperature Forecasts for Fisheries Management: An Application in the Pacific Northwest. *Journal of the American Water Resources Association* 47(4): 861-876.

Christian Langpap and JunJie Wu. 2011. Potential Environmental Impacts of Increased Reliance on Corn-Based Bioenergy. *Environmental and Resource Economics* 49(2): 147-171.

Christian Langpap and Jay Shimshack. 2010. Private Citizen Suits and Public Enforcement: Substitutes or Complements? *Journal of Environmental Economics and Management* 59(3): 235-249.

Christian Langpap and Joe Kerkvliet. 2010. Allocating Conservation Resources under the Endangered Species Act. *American Journal of Agricultural Economics* 92(1): 110-124.

Christian Langpap, Ivan Hascic and JunJie Wu. 2008. Protecting Watershed Ecosystems through Targeted Local Land Use Policies. *American Journal of Agricultural Economics* 90(3): 684-700.

Christian Langpap. 2008. Self Reporting and Private Enforcement in Environmental Regulation. *Environmental and Resource Economics* 40(4): 489-506.

Christian Langpap and JunJie Wu. 2008. Predicting the Effect of Land Use Policies on Wildlife Habitat Abundance. *Canadian Journal of Agricultural Economics* 56(2): 195-218.

Joe Kerkvliet and Christian Langpap. 2007. Learning from Endangered and Threatened Species Recovery Programs: A Case Study Using U.S. Endangered Species Act Recovery Scores. *Ecological Economics* 63: 499-510.

Christian Langpap. 2007. Pollution Abatement with Limited Enforcement Power and Citizen Suits. *Journal of Regulatory Economics* 31(1): 57-81.

Christian Langpap. 2006. Conservation of Endangered Species: Can Incentives Work for Private Landowners? *Ecological Economics* 57(4): 558-572.

John Edwards and Christian Langpap. 2005. Startup Costs and the Decision to Switch from Firewood to Gas Fuel. *Land Economics* 81(4): 570-586.

Christian Langpap and JunJie Wu. 2004. Voluntary Conservation of Endangered Species: When Does No Regulatory Assurances Mean No Conservation? *Journal of Environmental Economics and Management* 47(3): 435-457.

Christian Langpap. 2004. Conservation Incentives Programs for Endangered Species: An Analysis of Landowner Participation. *Land Economics* 80(3): 375-388.

BOOK CHAPTERS

Christian Langpap and JunJie Wu. 2004. Voluntary Agreements under Uncertainty and Irreversibility, in “Voluntary Agreements in Climate Policy”, A. Baranzini and P. Thalmann, Eds. Edward Elgar Publishing, Northampton.

WORK IN PROGRESS

Interest Groups, Litigation, and Agency Decisions: Evidence from the Endangered Species Act.

How do interest groups choose species to target for litigation?

Preemptive Incentives and Liability Rules for Wildfire Risk Management, with JunJie Wu.

How Do Traffic Reduction Policies Affect Infant Health? An Integrated Sorting and Health Analysis, with Dede Long and Dave Lewis.

OTHER PUBLICATIONS AND REPORTS

W. Jaeger, A.J. Plantinga, C. Langpap, D. Bigelow, and K. Moore. Water, Economics, and Climate Change in the Willamette Basin, Oregon. Oregon State University Extension Service. EM 9157. February 2017.

T. Kim and C. Langpap. Statistical Analysis on the Factors Affecting Agricultural Landowners' Willingness to Enroll in a Tree Planting Program. USDA Forest Service Pacific Northwest Research Station. Research Paper PNW-RP-604. May 2015.

C. Langpap and T. Kim. Literature Review: An Economic Analysis of Incentives for Carbon Sequestration on Nonindustrial Private Forests (NIPFs). In Alig, Ralph, Ed., Economic Modeling of Effects of Climate Change on the Forest Sector and Mitigation Options: A Compendium of Briefing Papers. United States Department of Agriculture Forest Service Pacific Northwest Research Station. General Technical Report PNW-GTR-833. October 2010.

R.M. Adams, C. Langpap, and B. Huang. The Value of Stream Temperature Forecasts in Salmonid Management: Some Further Results. White paper prepared for the Office of Hydrologic Development, National Weather Service. August 2010.

R.M. Adams, B. Huang, and C. Langpap. The Value of In-stream Water Temperature Forecasts: An Application to Salmonid Management in the Pacific Northwest. White paper prepared for the Office of Hydrologic Development, National Weather Service. September 2009.

J. Bolte, M. Santlemann, P. Adamus, C. Smith, J. Li, P. Jepson, F. Lamy, K. Vache, and C. Langpap. Integrating Ecological, Economic, and Social Goals in Restoration Decisionmaking. Special Report, Virginia Water Resources Research Center, no. SP7. January 2001.

Christian Langpap. Ineficiencia de la Provisión Privada de Protección de Biodiversidad (Inefficiencies in the Private Provision of Biodiversity Protection), *Cuestiones Económicas* 33, Central Bank of Ecuador, December 1997.

Christian Langpap. Costos y Beneficios del Reciclaje en Quito (Costs and Benefits of Recycling in Quito), *Ekos Economía*, May 1997.

Christian Langpap. Protección de la Biodiversidad: Un Análisis Económico (Protection of Biodiversity: An Economic Analysis), *Ekos Economía*, January 1997.

Christian Langpap. Administración de Desechos Sólidos: Incineración o Reciclaje? (Solid Waste Management: Incineration or Recycling?), *Ekos Economía*, October 1996

Christian Langpap. Economía del Control de Polución: Regulación Eficiente (Economics of Pollution Control: Efficient Regulation), *Ekos Economía*, August 1996.

GRANTS

Christian Langpap. Statistical Analysis of Factors Affecting Agricultural Landowners' Willingness to Enroll in a Tree Planting Program. US Department of Agriculture – Forest Service. Amount: \$5,000. 2012-2013.

Collaborative Research WSC Category 2: Anticipating Water Scarcity and Informing Integrative Water System Response in the Pacific Northwest. National Science Foundation. Amount: \$4,348,693. 2010-2015. Part of team of researchers who received this award. 2010 – 2015.

Christian Langpap. Incentive Design for Carbon Sequestration through Forest Management and Afforestation. USDA-Forest Service. Joint Venture Agreement. Amount: \$50,000. 2010-2011.

L.L. Stewart Faculty Development Award. Oregon State University Center for Teaching and Learning. Amount: \$1,800. 2010.

Christian Langpap. An Economic Analysis of Incentives for Carbon Sequestration on Non-Industrial Private Forests (NIPFs). USDA-Forest Service. Amount: \$30,000. 2009-2010.

Christian Langpap. Pilot Study of Benefits and Costs of Noxious Weeds Control. The Wilderness Society. Amount: \$10,000. 2009-2010.

Christian Langpap. Pilot Study of Student Access to the NORC Data Enclave. USDA-ERS. Amount: \$20,000. 2008-2009.

JunJie Wu and Christian Langpap. The Effects of Ethanol-Driven Corn Demand on Crop Rotations and Land Use. USDA – ERS. Amount: \$30,000. 2008-2009.

AREC 253: Evolution of US Environmental and Natural Resources Law - Course Design and Development. Oregon State University Extended Campus. Amount: \$3,000. 2009.

TEACHING EXPERIENCE

Oregon State University. 2007 – Present.

Undergraduate: Environmental Law, Policy, and Economics (formerly Evolution of U.S. Environmental and Natural Resources Law), Advanced Topics in Environmental and Resource Economics.

Graduate: Environmental and Resource Economics (formerly Environmental Economics), Econometric Methods, Advanced Econometrics I, Applied Econometrics.

Tulane University. 2003 – 2007.

Undergraduate: Principles of Microeconomics, Intermediate Microeconomics, Environmental and Resource Economics.

Graduate: Mathematics of Optimization.

Oregon State University. Instructor. 1999 – 2001.

Graduate: Matrix Algebra seminar.

Universidad San Francisco de Quito, Quito, Ecuador. Instructor. 1996 – 1998.

Undergraduate: Principles of Economics, Principles of Microeconomics, Principles of Macroeconomics, Environmental and Resource Economics, Industrial Organization.

Universidad de las Americas, Quito, Ecuador. Instructor. 1996.

Undergraduate: Price Theory

PRESENTATIONS

“Preemptive Incentives and Liability Rules for Wildfire Risk Management”

Association of Environmental and Resource Economists Summer Conference, Lake Tahoe, NV, June 2019.

“Economics of the U.S. Endangered Species Act – Lessons Learned and Research Needs.”

Economics and Environmental Policy Research Network, University of Ottawa. Research Symposium, Ottawa, ON, October 2018.

“Interest Groups, Litigation, and Agency Decisions: Evidence from the Endangered Species Act.”

AERE session, Western Economics Association International Annual Meetings, Vancouver, BC, June 2018.

Association of Environmental and Resource Economists Summer Conference, Pittsburgh, PA, June 2017.

“Private Provision of Public Goods: Evidence from the Effect of Environmental Groups on Water Quality.”

University of British Columbia, Food and Resource Economics Group. Vancouver, Canada, September 2017.

Association of Environmental and Resource Economists Summer Conference, Banff, Canada, June 2013.

“Thresholds, Perverse Incentives, and Preemptive Conservation of Endangered Species.”
AERE session, Western Economics Association International Annual Meetings, Portland, OR, July 2016.

“Impacts of Federal Crop Insurance on Land Use and Environmental Quality.”

Agricultural and Applied Economics Association Annual Meetings, San Francisco, CA, July 2015.

“Preemptive Conservation of Endangered Species.”

Association of Environmental and Resource Economists Summer Conference, San Diego, CA, June 2015.

“Voluntary Agreements and Private Enforcement of Environmental Regulation.”

Tulane University, Department of Economics, February 2013. Presenter.

Association of Environmental and Resource Economists Summer Conference, Asheville, NC, June 2012.

Voluntary Pollution Control Workshop, Ohio State University, May 2012.

“Wetland Rotations: Implications of a New Conservation Approach for Wildlife Habitat and Farm Profits.”

AERE session, Agricultural and Applied Economics Association Annual Meetings, Pittsburg, July 2011.

“Endangered Species Conservation on Private Land: Assessing the Effectiveness of Habitat Conservation Plans.”

Association of Environmental and Resource Economists Inaugural Summer Conference, Seattle, WA, June 2011.

Fourth World Congress of Environmental and Resource Economists, Montreal, Quebec, June-July 2010.

“Public and Private Environmental Enforcement: Substitutes or Complements?”

Society for Environmental Law and Economics Annual Meetings. Atlanta, GA, March 2010.

AERE Session, ASSA Annual Meetings, New Orleans, LA, January 2008.

“Fuel Choice, Indoor Air pollution, and Children’s Health”

AERE Session, ASSA Annual Meetings, San Francisco, CA, January 2009.

- “Potential Environmental Impacts of Increased Reliance on Corn-Based Bioenergy”
AERE session, American Agricultural Economics Association Annual Meetings,
Orlando, FL, July 2008.
- “Allocating Conservation Resources Under the Endangered Species Act.”
Selected Paper, American Agricultural Economics Association Annual Meetings,
Portland, OR, July 2007.
- “The Role of Private Enforcement in Environmental Regulation: Evidence from
Municipal Wastewater Treatment Plants.”
University of Colorado Environmental and Resource Economics Workshop, Vail,
CO, September 2006.
- “Protecting Watershed Ecosystems through Targeted Local Land Use Policies.”
Selected Paper, American Agricultural Economics Association Annual Meetings,
Long Beach, CA, July 2006.
- “Could Noah Do Better? Economics, Biodiversity, and the Endangered Species Act.”
AERE session, ASSA Annual Meetings, Boston, MA, January 2006.
- “Learning from Endangered and Threatened Species Recovery Programs: A Case Study
Using U.S. Endangered Species Act Recovery Scores.”
AERE session, Southern Economics Association Annual Meetings, Washington, DC,
November 2005.
- “Pollution Control with Limited Enforcement Power and Citizen Suits.”
AERE session, Southern Economics Association Annual Meetings, New Orleans,
LA, November 2004.
AERE session, American Agricultural Economics Association Annual Meetings,
Denver, CO, August 2004.
- “Self Reporting and Private Enforcement in Environmental Regulation.”
AERE session, Southern Economics Association Annual Meetings, New Orleans,
LA, November 2004.
- “Predicting the Effect of Local Land Use Regulations on Biodiversity in the Western
United States.”
Selected Paper. American Agricultural Economics Association Annual Meetings,
Denver, CO, August 2004.
- “Incentives Programs for Endangered Species Conservation: An Analysis of Landowner
Participation.”
Western Agricultural Economics Association Annual Meetings, Denver, CO, July
2003.

“Conservation of Endangered Species: Can Incentives Work for Private Forest Owners?”
Selected Paper. American Agricultural Economics Association Annual Meetings,
Montreal, Quebec, July 2003.

“Voluntary Conservation of Endangered Species: When Does No Surprises Mean No
Conservation?”

Selected paper. American Agricultural Economics Association Annual Meetings,
Long Beach, CA, July 2002.

Second World Congress of Environmental and Resource Economists, Monterey, CA,
June 2002.

UNIVERSITY SERVICE

Oregon State University

Agricultural and Resource Economics seminars committee. 2007-2008, 2008-2009,
2009-2010, 2010-2011, 2011-2012.

Agricultural and Resource Economics graduate committee. 2008-2009.

Agricultural and Resource Economics undergraduate committee. 2009-2010, 2010-2011.

Applied Economics Graduate Program Advisory Committee. 2009-2010.

Applied Economics Awards Committee. 2009-2010, 2010-2011.

Quantitative Preliminary Exam Committee 2009-2019.

Screening committee for advisor for Environmental Economics and Policy ecampus
degree. 2011.

Applied Economics Planning and Policy Committee, 2011 – 2014, 2016-2020.

College of Agriculture scholarship and awards committee. 2011-2012.

Environmental Economics Faculty Recruiting Committee. 2012.

Applied Economics Admissions Committee. 2012 – 2015.

Applied Economics Graduate Faculty Advisory Committee. 2013 – 2015.

Marine/Coastal Economics Faculty Recruitment Committee Chair. 2015.

Director, Applied Economics Graduate Program. 2015 – 2018.

Applied Economics Department Head Recruiting Committee. 2016.

Faculty Mentoring Committee: Steve Dundas. 2016 – 2019.

Graduate School Travel Grant Committee. 2018.

Applied Economics Graduate Committee 2018-2020.

Mentoring Committees: David Kling, Steve Dundas.

Promotion and Tenure Committee: 2019-2020.

Student Advising

Former Students

Major Professor:

Biao Huang, M.S. 2009. Initial placement: Ph.D. student, School of Sustainability,
Arizona State University.

Bret Sechrist (co-major prof.), M.S. 2010. Initial placement: Ph.D. student, Stanford University.
Taeyoung Kim, Ph.D. 2012. Initial placement: Post-doctoral research associate, Department of Agricultural and Resource Economics, University of Tennessee.
Xiaou Han, M.S. 2015.
Toru Hagimoto, Ph.D. 2015.
Jacob Davis, M.S. 2015. Initial placement: Bates White Economic Consulting.
Matthew Lundgren, M.S. 2017.
Jehan Jabareen, M.S. 2017.
Dede Long (co – major), Ph.D. 2018. Initial placement: Assistant Professor, Department of Economics, California State University Long Beach.

Graduate student committees: Cyrus Grout, Ph.D. 2010; Hanpil Moon, Ph.D. 2010, Rachel Houtman, M.S. 2011, Kandice Kleiber, Ph.D. 2011, Smit Vasquez Caballero, M.S. 2011, Nathan Eckstein, M.S. 2011, Judith Dempsey, Ph.D. 2012, Braeton Smith, M.S. 2012, Beau Olen, M.S. 2012, Caiwen Wu, Ph.D. 2012, Meidan Bu, Ph.D. 2013, Youngah Lim, Ph.D. 2013, Joanna Carroll, M.S. 2014, Annah Latané, M.S. 2014, Sam Gulpen, M.S. 2014, Winston Oakley, M.S. 2014, Dan Bigelow, Ph.D. 2015, Yunguang Chen, Ph.D. 2015, Nicole Kovski, M.S. 2015, Hongliang Zhang, Ph.D. 2015, Jialing Yu, Ph.D. 2017, Yukiko Hashida, Ph.D. 2017, Chris Mihiar, Ph.D. 2018, Cassie Finer, Ph.D. 2019, Laura Marshall, M.S. 2019.

Current Students

Major Professor: Isabel Guerrero.

Graduate student committees: Jian Shi, Jaeho Jung, Kedar Kulkarni, David Rossi, Nadeeka Weerasekara.

Tulane University

Freshman advisor, Economics Department. 2004-2005, 2005-2006, 2006-2007.
Advisor to economics majors
Econometrics Faculty Recruiting Committee. 2006.
Teaching Mentor for Professors of Practice. 2006-2007.
Reader, Honors Thesis: Mariana Sarmiento (2004), William Hanf (2006).

PROFESSIONAL SERVICE

Associate Editor, *American Journal of Agricultural Economics*, 2014 – 2017.

Referee for *Journal of Environmental Economics and Management*, *Journal of the Association of Environmental and Resource Economists*, *American Journal of Agricultural Economics*, *Journal of Regulatory Economics*, *Land Economics*, *Environmental and Resource Economics*, *Resource and Energy Economics*, *Economic*

Inquiry, National Science Foundation, Contemporary Economic Policy, Canadian Journal of Agricultural Economics, Journal of Agricultural and Resource Economics, Agricultural Economics, Journal of Policy Analysis and Management, Perspectives on Economic Education Research, Biological Conservation, Ecological Economics, Land Use Policy, Environmental Management, Conservation Letters.

Association of Environmental and Resource Economics Nominating Committee. July 2019 – Present.

Co-chair, American Agricultural Economics Association Selected Papers Committee, July 2006 – July 2008.

Member, Program Committee for summer conference of the Association of Environmental and Resource Economists, 2011- 2013, 2015- 2017.

Member, Program Committee for Fifth World Congress of Environmental and Resource Economists, 2014.

Member, Program Committee for Sixth World Congress of Environmental and Resource Economists, 2018.

Discussant

AERE session, Western Economics Association International Annual Meetings, 2018.

AERE session, Western Economics Association International Annual Meetings, 2016.

AERE session, ASSA Annual Meetings, 2009.

AERE session, American Agricultural Economics Association Annual Meetings, 2008.

AERE session, American Agricultural Economics Association Annual Meetings, 2006.

AERE session, Southern Economics Association Annual Meetings, 2005.

AERE session, Southern Economics Association Annual Meetings, 2004.

Moderator

AERE session, Western Economics Association International Annual Meetings, 2018.

AERE session, Western Economics Association International Annual Meetings, 2016.

Paper session, Association of Environmental and Resource Economists Summer Conference, 2015.

Paper session, Association of Environmental and Resource Economists Annual Conference, 2012.

AERE session, American Agricultural Economics Association Annual Meetings, 2004.