

## **Bruno Wichmann**

Department of Resource Economics and Environmental Sociology

University of Alberta

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### **Education**

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Ph.D. (Economics) University of Tennessee, Knoxville, 2012

M.A. (Economics) University of Tennessee, Knoxville, 2010

M.Sc. (Economics) Federal University of Ceara, Brazil, 2006

B.Sc. (Economics) Federal University of Ceara, Brazil, 2002

### **Academic Positions**

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Assistant Professor (2012-present), University of Alberta

Adjunct Professor (2007), Federal University of Ceara

### **Research Areas of Interest**

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Environmental Economics, Social and Economic Networks, Experimental Economics, Applied Microeconomics.

### **Teaching**

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*University of Alberta, Canada* (2012-present)

- AREC 569: Advanced Topics in Natural Resource and Environmental Economics
- AREC 465: Advanced Natural Resource Economics

*University of Tennessee, United States* (2008-2012)

- ECON 322: The Global Economy: Trade and Development
- ECON 201: Principle of Economics (laboratory sections)

*Federal University of Ceara, Brazil* (2007)

- Industrial Organization I
- Economic Theory II
- Principles of Economics

## Journal Articles

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- **Wichmann, B.**, P. Boxall, S. Wilson<sup>1</sup>, and O. Perger. “Auctioning Risky Conservation Contracts,” *Environmental and Resource Economics* (in press).
- **Wichmann, B.** and M. Yang. “Blue Beijing: Estimating the Effects of Temporary Emissions Restrictions on Air Quality,” *Applied Economics Letters* (in press).
- Johny, J., **B. Wichmann**, B. Swallow. 2017. “Characterizing social networks and their effects on income diversification in rural Kerala, India,” *World Development* 94: 375–392.
- **Wichmann, B.**, M. Chen, and W. (Vic) Adamowicz. 2016. “Social Networks and Choice Set Formation in Discrete Choice Models,” *Econometrics* 4(4): 1–26.
- **Wichmann, B.** 2015. “Agents of Change and the Approximation of Network Outcomes: A Simulation Study,” *Networks and Spatial Economics* 15(1):17–41.
- Neilson, W. and **B. Wichmann**.<sup>\*2</sup> 2014. “Social Networks and Non-market Valuations,” *Journal of Environmental Economics and Management* 67(2): 155–170.
- Oliveira-Neto, F., P. Pontes, and **B. Wichmann**.<sup>\*</sup> 2014. “A Benchmarking Analysis of the Brazilian Airport Infrastructure: An Application of the Expected Minimum Input Frontier,” *Journal of Transport Economics and Policy* 48(2): 297–313.
- **Wichmann, B.** 2013. “Environmental Regulation of Technically Inefficient Firms,” *Economics Letters* 121(2): 143–147.
- Cozad, M. and **B. Wichmann**.<sup>\*</sup> 2013. “Efficiency of Health Care Delivery Systems: Effects of Health Insurance Coverage,” *Applied Economics* 45(29): 4082–4094.
- Gritsko, N., V. Kozlova, W. Neilson, and **B. Wichmann**.<sup>\*</sup> 2013. “The CEO Arms Race,” *Southern Economic Journal* 79(3): 586–599.

## Book Chapters

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- Holanda, M., **B. Wichmann**, and P. Pontes. 2011. “The Viability of the biodiesel program as an instrument of social inclusion” in *Energy, Bio Fuels and Development: Comparing Brazil and the United States*. Routledge Studies in Development Economics. Edited by Edmund Amann, Werner Baer, and Don Coes.

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<sup>1</sup>Underlined name denotes graduate student.

<sup>2</sup>Star (\*) denotes that order of authors was chosen to be alphabetical. .

## Grants Received

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9. University of Alberta. Support for the Advancement of Scholarship, “Bargaining in Networks” (PI), 2017–2018, \$2,500.
8. Northern Scientific Training Program (NSTP) Grant. UAlberta North. “Community Economic Monitoring Tool for the Inuvialuit Settlement Region” (in support of the application of my M.Sc. student Todd Godfrey), 2017–2018, \$2,158.
7. Social Sciences and Humanities Research Council/Resources and Sustainable Development in the Arctic (ReSDA). “Socio-Economic Sustainability Indicators: building tools for understanding community wellbeing” (PI), 2016–2018, \$50,000.
6. University of Alberta. Survey Lab and General Research Services/International Center for Tropical Agriculture (PI), 2016–2021, \$19,561.
5. Social Sciences and Humanities Research Council. Partnership Grant. “Tracking Change - The Role of Local and Traditional Knowledge in Watershed Governance” (co-applicant), 2015–2021, \$2,480,098.
4. Climate Change, Agriculture and Food Security (CCAFS) – Flagship 4 – and the International Centre for Tropical Agriculture (CIAT). “Differentiating Among Determinants of Agricultural Adaptation Across Scales and Activities” (co-applicant), 2015–2016, \$43,700.
3. Social Sciences and Humanities Research Council. Insight Development Grant. “Generating Agri-Environmental Improvements: Integrating Social Networks into Conservation Auctions” (PI), 2014–2016, \$43,033.
2. University of Alberta. VP (Research) Special Funding. “Cost Sharing Programs for the Implementation of Beneficial Management Practices: The Role of Social Networks” (PI), 2014–2016, \$9,960.
1. University of Alberta. Start-up Funding (PI), 2012–2021, \$42,000.

## Graduate Student Advising<sup>3</sup>

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- Todd Godfrey (M.Sc., 2017)
- Meng Yang (M.Sc., 2017)
- Daiwei Zhang (M.Sc., 2016)
- Krisha Lim (M.Sc., 2015)
- Judit Johny (M.Sc., 2015)
- Minjie Chen (M.Sc., 2014)

## Presentations

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- Mar/2017 Midwest Economics Association, Annual Meetings, Cincinnati, OH.
- Mar/2017 Dept. of Resource Economics and Environmental Sociology, University of Alberta, Edmonton, AB.
- Apr/2016 Alberta Agricultural Economics Association, Visions Conference, Red Deer, AB.
- Mar/2015 Midwest Economics Association, Annual Meetings, Minneapolis, MN.
- May/2014 Canadian Economics Association, Annual Conference, Vancouver, BC.
- Apr/2014 Department of Economics, Virginia Commonwealth University, Richmond, VA.
- Apr/2014 Department of Economics, University of Alberta, Edmonton, AB.
- Feb/2014 Department of Economics, State University of New York at Oswego, NY.
- Oct/2013 Dept. of Resource Economics and Environmental Sociology, University of Alberta, Edmonton, AB.
- Jun/2013 Association of Environmental and Resource Economists. Annual Summer Meeting, Banff, AB.
- May/2013 Alberta Agricultural Economics Association, Visions Conference, Red Deer, AB.
- Apr/2012 Dept. of Resource Economics and Environmental Sociology, University of Alberta, Edmonton, AB.
- Nov/2011 Southern Economic Association Meetings, Washington D.C.
- Oct/2011 Heartland Environmental and Resource Economics Workshop, Urbana-Champaign, IL.
- Oct/2011 University of Colorado, CU Environmental and Resource Economics Workshop, Vail, CO.
- Oct/2011 University of Tennessee, Economics Brown Bag Workshop, Knoxville, TN.
- Aug/2011 Camp Resources XVIII, Wrightsville Beach, NC.
- Jul/2011 International Economic Science Association Conference, Chicago, IL.
- Nov/2010 University of Tennessee, Economics Brown Bag Workshop, Knoxville, TN.
- Nov/2010 National Tax Association 103rd Annual Conference on Taxation, Chicago, IL (poster session).
- Mar/2010 University of Tennessee, Economics Brown Bag Workshop, Knoxville, TN.
- Mar/2010 University of Tennessee, Mini Summit on Poverty and Health Care, Knoxville, TN.

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<sup>3</sup>University of Alberta

## Awards

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- Third Place Winner, Graduate Student Paper Competition, CAES Annual Meetings – Awarded to my MSc student Meng Yang (2017).
- J. Fred and Wilma A. Holly Fellowship. Department of Economics, University of Tennessee (2011–2012).
- The Southern Economic Association, Graduate Student Award (2011).
- Best Graduate Student Research Project. Graduate Student Meetings, Department of Economics, University of Tennessee (2010).
- Outstanding Graduate Student Presentation. Economics Brown Bag Workshop. University of Tennessee (2010).
- Best Graduate Student Research Project. Graduate Student Meetings, Department of Economics, University of Tennessee (2009).
- The University of Tennessee Graduate Assistantship (2008–2012).
- Master of Science CNPq Fellowship. National Council for Scientific and Technological Development (CNPq), Brazil (2004–2006).

## Examination Committee Member<sup>4</sup>

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**Orsolya Perger (Ph.D. candidate, 2016).** Dissertation title TBD. Ph.D. candidacy oral examination (committee member).

**Lucas Novak (M.Sc., 2016).** Thesis title: “A Reverse Auction for Wetland Restoration in Southern Alberta.” M.Sc. defense (arms-length examiner).

**Patrick Lloyd-Smith (Ph.D. candidate, 2015).** Dissertation title TBD. Ph.D. candidacy oral examination (committee member).

**Manikarnika Kanjilal (Ph.D., 2015).** Dissertation title: “Agricultural Producers’ Costs of Adoption of Wetland Restoration Beneficial Management Practices: Estimation and Spatial

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<sup>4</sup>University of Alberta

Transferability.” Ph.D. defense (arms-length examiner).

**Wijaya Dassanayake (Ph.D., 2013).** Dissertation title: “Household Structure, Climate Change, and Livelihoods in Sub-Saharan Africa.” Ph.D. defense (arms-length examiner).

**Hyun No Kim (Ph.D., 2013).** Dissertation title: “The Demonstration and Capture of an Ecosystem Service Value: Three Different Methodological Approaches”. Ph.D. candidacy oral examination (arms-length member).

**Scott Wilson (M.Sc., 2013).** Thesis title: “Incorporating Variable Costs of Adoption into Conservation Auctions.” M.Sc. defense (arms-length examiner).

## Refereeing

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*American Journal of Agricultural Economics, Australian Journal of Agricultural and Resource Economics, Journal of Economic Behavior and Organization, Journal of Environmental Economics and Management, Land Economics, Land Use Policy, World Development.*

## Professional Affiliations

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Agricultural and Applied Economics Association, American Economic Association, Canadian Agricultural Economics Society, Midwest Economics Association.