

## **Bruno Wichmann**

Department of Resource Economics and Environmental Sociology

University of Alberta

503 General Services Building, Edmonton, AB, Canada T6G-2H1

Phone: +1·(780)·492·0918

Email: [bwichmann@ualberta.ca](mailto:bwichmann@ualberta.ca)

Personal Website: [www.brunowichmann.ca](http://www.brunowichmann.ca)

---

### **Education**

---

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

Dissertation title: “Social Structure, Non-market Valuation, and Bargaining”

Advisor: William Neilson

Committee members: Christian Vossler, Michael Price, Nicholas Nagle

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

### **Research Areas of Interest**

---

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

### **Professional Experience**

---

Assistant Professor (2012 – Present)

Department of Resource Economics and Environmental Sociology

University of Alberta

Adjunct Professor (2007)

Department of Economic Theory

Federal University of Ceara, Brazil

## Teaching

---

*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 Cear, Brazil (2007)*

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

## Journal Articles

---

12. **Wichmann, B.**, P. Boxall, S. Wilson<sup>1</sup>, and O. Perger. “Auctioning Risky Conservation Contracts,” *Environmental and Resource Economics* (in press).
11. **Wichmann, B.** and M. Yang. “Blue Beijing: Estimating the Effects of Temporary Emissions Restrictions on Air Quality,” *Applied Economics Letters* (in press).
10. Johny, J., **Wichmann, B.** Swallow. 2017. “Characterizing social networks and their effects on income diversification in rural Kerala, India,” *World Development* 94: 375–392.
9. **Wichmann, B.**, M. Luckert, K. Bissonnette<sup>2</sup>, A. Cumberland, C. Doll, T. Gupta, Y. Shi. 2017. “Using Pro-Environmental Information to Modify Conservation Behavior: Paper Recycling and Reuse,” *Recycling* 2(1): 1–10.
8. **Wichmann, B.**, M. Chen, and W. (Vic) Adamowicz. 2016. “Social Networks and Choice Set Formation in Discrete Choice Models,” *Econometrics* 4(4): 1–26.

---

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

<sup>2</sup>Double-underlined name denotes undergraduate student.

7. **Wichmann, B.** 2015. “Agents of Change and the Approximation of Network Outcomes: A Simulation Study,” *Networks and Spatial Economics* 15(1):17–41.
6. Neilson, W. and **B. Wichmann.**<sup>\*3</sup> 2014. “Social Networks and Non-market Valuations,” *Journal of Environmental Economics and Management* 67(2): 155–170.
5. Oliveira-Neto, F., P. Pontes, and **B. Wichmann.**\* 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.
4. **Wichmann, B.** 2013. “Environmental Regulation of Technically Inefficient Firms,” *Economics Letters* 121(2): 143–147.
3. Cozad, M. and **B. Wichmann.**\* 2013. “Efficiency of Health Care Delivery Systems: Effects of Health Insurance Coverage,” *Applied Economics* 45(29): 4082–4094.
2. Gritsko, N., V. Kozlova, W. Neilson, and **B. Wichmann.**\* 2013. “The CEO Arms Race,” *Southern Economic Journal* 79(3): 586-599.
1. Pontes, P. and **B. Wichmann.**\* 2009. “Índices Coincidentes da Produção Industrial Cearense: Uma Aplicação da Análise de Correlação Canônica,” *Revista Econômica do Nordeste* 40(1): 121-132.

## Book Chapters

---

1. 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.

## Manuscripts Under Review

---

5. Mohapatra, S., **B. Wichmann,** and P. Marcoul. “Removing the ‘Veil of Ignorance’: Non-linearities in Education Effects on Gender Wage Inequalities,” *Contemporary Economic Policy (revised and resubmitted)*.

---

<sup>3</sup>Star (\*) denotes that order of authors was chosen to be alphabetical. This is common in the discipline of economics (and not as common in agricultural economics) and I often use this convention when I work with co-authors from economics departments.

4. Lim, K., **B. Wichmann**, and M. Luckert. “Adaptation, Networks, and Targeting: Evidence from Africa and Asia,” under review at *American Journal of Agricultural Economics*.
3. Neilson, W., M. Price, and **B. Wichmann**.\* “Added Surplus and Lost Bargaining Power in Long-term Contracting: An Experimental Investigation,” under review at *Journal of Behavioral and Experimental Economics*.
2. An, H. and **B. Wichmann**.\* “A New Frontier? The Effects of Climate Change on Agricultural Production,” under review at *Empirical Economics*.
1. Wichmann, R. and **B. Wichmann**. “Fertility Information Quality and the Probability of Unplanned Pregnancies,” under review at *Applied Economics*.

## Working Papers

---

4. **Wichmann, B.**, D. Zhang, and P. Boxall. “Information Networks and Conservation Auctions.” In preparation for submission to the *Journal of the Association of Environmental and Resource Economists*.
3. Marcoul, M., **B. Wichmann**, and M. Yang.\* “Gift Giving with Coercion in Rural Communities of Tanzania.” ’ In preparation for submission to *World Development*.
2. **Wichmann, B.** “Estimation of Non-market Values in the Presence of Social Network Effects.” In preparation for submission to the *Journal of Environmental Economics and Management*.
1. Luckert, M., **B. Wichmann**, M. Chen, P. Laderach, L. Winowiecki, and W. Foerch. “Assessing Determinants of Agricultural Diversification and Intensification using Global Household Datasets.” In preparation for submission to *PLOS ONE*.

## Work in Progress

---

5. Godfrey, T., **B. Wichmann**, and B. Parlee. “Mining and Alcohol Consumption: New Evidence from Northern Canada.”
4. **Wichmann, B.**, V. Kozlova, S. Anders, and N. Gritsko. “Go Big or Go Home: Can Large Portion Sizes be a Result of Restaurant Competition?”

3. **Wichmann, B.** “Building Networks of Local Public Goods: Optimal Policy and Information Asymmetry.”
2. **Wichmann, B.** “Intra-Household Allocations and Other-Regarding Preferences.”
1. **Wichmann, B.** and M. Kecinski. “Bargaining in Networks.”

## Presentations

---

- 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.

## Grants Received

---

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.

## Grants Under Review

---

2. Social Sciences and Humanities Research Council. Partnership Grant. “Social Innovation for Sustainability in Arctic Resource Development (SISARD)” (co-applicant), 2018 – 2024, \$2,500,000.
1. Canadian Foundation for Innovation. “The Alberta Biofoundry: A World Class Catalyst for the Redeployment of Alberta’s Innovation and Resource Sectors” (co-applicant), 2016, \$16,583,847 to the University of Alberta, \$155,962 to the Public Perception Suite in the Dept. of REES.

## Awards

---

- 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).

## Graduate Student Advising

---

- Todd Godfrey (M.Sc., 2017 – in progress)
- 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)

## Examination Committee Member

---

**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 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

---

*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

---

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