

# Andrew W. Schreiber

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Agricultural and Applied Economics  
University of Wisconsin-Madison  
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## Education

Ph.D. Agricultural and Applied Economics, University of Wisconsin-Madison, 2018 (Expected).

Dissertation Title: "Essays in Regional Economic Analysis".

Committee: Thomas Rutherford (chair), Corbett Grainger, Daniel Phaneuf.

B.A. Economics (*with Distinction*), University of Wisconsin-Madison, 2012.

## Research Interests

Environmental, Natural Resource and Computational Economics

## Peer-Reviewed Publications

1. Deller, Steven, and Andrew Schreiber. "Mining and Community Economic Growth." *The Review of Regional Studies* 42.2 (2013): 121-141.

## Working Papers

2. Schreiber, Andrew. "Do Agricultural Pumping Restrictions Hold Water? General Equilibrium Cost Impacts of Regulated Groundwater Withdrawals." (2017): 1-59. (**Job Market Paper**)
3. Grainger, Corbett A., Andrew Schreiber, and Wonjun Chang. "Do Regulators Strategically Avoid Pollution Hotspots when Siting Monitors? Evidence from Remote Sensing of Air Pollution" (2017): 1-43.
4. Grainger, Corbett A., Andrew Schreiber, and Fan Zhang. "Distributional Impacts of Energy-Heat Cross-Subsidization", *Under Review* (2017): 1-40.
5. Schreiber, Andrew, Allister Loder, and Kay W. Axhausen. "Urban Mode and Subscription Choice - An Application of the Three-Dimensional MFD." (2016): 1-40. Paper presented at the 16<sup>th</sup> Swiss Transport Research Conference, Ascona, May 2016.

## Ongoing Projects

6. General equilibrium multipliers: with Thomas F. Rutherford
7. Computable general equilibrium analysis of the energy-water nexus: with Feng Qui. Work presented at the 2016 American Geophysical Union Conference, and the 2017 INFORMS Annual Meeting.
8. National open source tools for general equilibrium modeling (blueNOTE): with Thomas F. Rutherford
9. Subnational climate policy: with Gokce Akin-Olcum, Christoph Bohringer, and Thomas F. Rutherford
10. Agglomeration benefits of transportation policy: with Kay Axhausen, Allister Loder, and Thomas F. Rutherford

## Non-Peer Reviewed Reports

11. Grainger, Corbett A., Fan Zhang, and Andrew Schreiber. “Distributional Impacts of Energy Cross-Subsidization in Transition Economies: Evidence from Belarus” *World Bank Policy Research Working Paper No. 7385* (2015).
12. Rutherford, Thomas F., and Andrew Schreiber. “General Equilibrium Frameworks for Climate Risk Assessment with IMPLAN Data.” *MCRSA Conference Proceedings* (2014).
13. Rutherford, Thomas F., and Andrew Schreiber. “Using IMPLAN Social Accounts for Applied General Equilibrium Modeling.” Technical Manual (2014).
14. Chang, Wonjun, Jesse Holzer, Andrew Schreiber, and Kitae Chang. “A Comprehensive Analysis of Seepage in Geostuctures: What Temperature Data Can Tell Us”. Institute of Earth Reinforced, Kumoh National Institute of Technology (2014).
15. Deller, Steven C., and Andrew Schreiber. ”Frac Sand Mining and Community Economic Development.” Staff Paper Series. University of Wisconsin-Madison Department of Agricultural and Applied Economics (2012).

## Presentations

- 2017 UW-Madison, Applied Economics Seminar  
UW-Whitewater, Water Research Conference
- 2016 UW-Madison, Applied Economics Seminar
- 2015 Swiss Federal Institute of Technology (ETH), IVT Seminar
- 2014 Wisconsin Economic Association Annual Meeting  
IMPLAN Meeting, Huntersville, North Carolina
- 2013 6th Annual Hazus Conference, Indianapolis, IN

## Awards

- 2015 Best PhD Paper Presentation, Student Research Colloquium, Department of Agricultural and Applied Economics, UW-Madison
- Pass with Distinction: 2015 Environmental Economics Field Prelim, Department of Agricultural and Applied Economics, UW-Madison

## Grants

- CIAS summer mini-grant for “Do Agricultural Pumping Restrictions Hold Water? General Equilibrium Cost Impacts of Regulated Groundwater Withdrawals.” \$1000.

## Peer Review

- Reviewer for *IEEE Transactions on Power Systems* (2)

## Academic Experience

- Graduate Research Program, Dr. Feng Qui, Argonne National Laboratory, *Center for Energy, Environmental and Economic Systems Analysis (CEEESA)*, June 2016 - present

Research Assistant, Dr. Thomas F. Rutherford, Optimization Group, Wisconsin Institute for Discovery, June 2012 - present

Teaching Assistant, Introduction to Optimization (master's level), Dr. Thomas F. Rutherford, Fall 2017

Teaching Assistant, Applied Econometric Analysis 2 (master's level), Dr. Brian W. Gould, Spring 2016

Visiting Researcher, Dr. Kay W. Axhausen, Institute for Transport Policy and Systems (IVT), Swiss Federal Institute of Technology (ETH), September 2015 - November 2015

Short-term Consultant, World Bank, April 2014 - December 2014

*Report:* Heat Tariff Reform and Social Impact Mitigation: Recommendations for a Sustainable District Heating Sector in Belarus (with Dr. Corbett Grainger and Dr. Fan Zhang)

Research Assistant, Dr. Steven Deller, Agricultural and Applied Economics, UW-Madison, April 2012 - September 2012

Research Assistant, Dr. Corbett Grainger, Agricultural and Applied Economics, UW-Madison, May 2011 - April 2012

## Other Experience

Algorithm Researcher,  $\rho$ H Global LLC., September 2013 - August 2015

Researcher/Economist, IMPLAN Group LLC., 2013 - 2014 (June - August)

## Computer Proficiencies

Languages & Software: GAMS, MATLAB, Stata, R, Emacs, Latex, ArcGIS, Microsoft Office, Subversion

Operating Systems: Windows, partial fluency in Linux and OSX

## References

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