

# Corbett A. Grainger

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## Education

Ph.D, Economics Primary Fields: Environmental, Public, Labor	UC Santa Barbara	2010
M.S., Applied Economics	University of Minnesota	2005
B.A., Economics and German	Concordia College	2002

## Positions

Associate Professor, Ag. & Applied Economics	University of Wisconsin - Madison	2017-
Assistant Professor, Ag. & Applied Economics	University of Wisconsin - Madison	2010-17

## Current Affiliations

Co-Editor	<i>Land Economics</i>	2020 -
Professor II (Climate and Energy and Transformation)	Universitetet i Bergen	2019 -
Research Fellow (Climate and Energy Group)	CESifo	2019 -
Faculty Affiliate, Institute for Research on Poverty	UW - Madison	2018 -
Faculty Affiliate, Global Health Institute	UW - Madison	2016 -
Faculty Affiliate, Center for Demography and Ecology	UW - Madison	2015 -
Faculty Affiliate, Optimization Group	Wisconsin Institute for Discovery	2014 -
Faculty Affiliate, CIAS	UW - Madison	2011 -
Faculty Affiliate, SAGE, Nelson Institute	UW - Madison	2011 -

## Publications

- Raynor, Jennifer, Corbett Grainger and Dominic Parker. 2021. "Wolves Make Roadways Safer, Generating Large Economic Returns to Predator Conservation" *Proceedings of the National Academy of Sciences*. <https://doi.org/10.1073/pnas.2023251118>.
- Grainger, Corbett, et al. "Greening Markets: Market-Based Approaches for Environmental Management in Asia." 2021. Asian Development Bank.
- Grainger, Corbett and Andrew Schreiber. 2019. "Discrimination in Ambient Pollution Monitoring?" *American Economic Association P&P* 109: 277-82.
- Chavas, Jean-Paul and Corbett Grainger. 2019. "On the Dynamic Instability of Arctic Sea Ice," *Nature partner journal: Climate and Atmospheric Science* 2(23).
- Grainger, Corbett and Fan Zhang. 2019. "Productivity Impacts of Electricity Outages in Pakistan," *Energy Policy* 132: 1000-1008.
- Grainger, Corbett, Andrew Schreiber and Fan Zhang. 2019. "Distributional Impacts of Energy-Heat Cross-Subsidization." *Energy Policy* 125: 65-81.
- Grainger, Corbett. 2019. "Environmental Justice and Ambient Air Pollution Monitoring," in *Distributional Effects of Environmental Market Design*, ed. Christopher Costello. Bozeman, MT: PERC.
- Costello, Christopher and Corbett A. Grainger. 2018. "Property Rights, Regulatory Capture, and Exploitation of Natural Resources." *Journal of the Association of Environmental and Resource Economists* 5(2):441-479.
- Coxhead, Ian and Corbett A. Grainger. 2018. "Fossil Fuel Subsidy Reform in the Developing World: Who Wins, Who Loses, and Why?" *Asian Development Review* 35(2): 180-203.

- Grainger, Corbett and Thanicha Ruangmas. 2018. "Who Wins from Emissions Trading? Evidence from California" *Environmental and Resource Economics* 71: 703-27.
- Chavas, Jean-Paul, Corbett A. Grainger and Nicholas Hudson. 2016. "How Should Economists Model Climate Change? Tipping Points and Nonlinear Dynamics of Carbon Dioxide Concentrations." *Journal of Economic Behavior and Organization* 132(B): 56-65.
- Grainger, Corbett A. and Christopher Costello. 2016. "Distributional Effects of the Transition to Property Rights in a Common Pool Resource." *Marine Resource Economics* 31(1): 1-26 (Winner of 2016 S.-Y. Hong Award for Outstanding Article).
- Grainger, Corbett A. and Christopher Costello. 2014. "Capitalizing Property Rights Insecurity in Natural Resource Assets." *Journal of Environmental Economics and Management* 67(2): 224-40.
- Grainger, Corbett A. and Dominic Parker. 2013. "The Political Economy of Fishery Reform." *Annual Review of Resource Economics* 5: 369-86.
- Grainger, Corbett A. 2012. "The Distributional Effects of Pollution Regulations: Do Renters Fully Pay for Cleaner Air?" *Journal of Public Economics*: 96(9-10): 840-852.
- Grainger, Corbett A. 2010. "Redistricting and Polarization: Who Draws the Lines in California?," *Journal of Law & Economics* 53(3): 545-567.
- Grainger, Corbett A. and Charles Kolstad. 2010. "Who Pays a Price on Carbon?" *Environmental and Resource Economics* 46(3): 359-376.
- Grainger, Corbett A. and Charles Kolstad. 2010. "Distribution and Climate Change Policies." in *Climate Change Policies: Global Challenges and Future Prospects*, E. Cerda and X. Labandeira, eds.
- Grainger, Corbett A., Benjamin Senauer, and C. Ford Runge. 2007. "Nutritional Improvements and Student Food Choices in a School Lunch Program." *Journal of Consumer Affairs* 41(2): 265-284.

## Working Papers

- "Do Regulators Strategically Avoid Pollution Hotspots when Siting Monitors? Evidence from Remote Sensing of Air Pollution," with Andrew Schreiber and Wonjun Chang. Revise and Resubmit, *AEJ Policy*
- "The Impact of Air Pollution on Labor Supply in China." with Mingxuan Fan. *Under Review*.
- "Grandfathering with Anticipation", with Christopher Costello. *NBER Working Paper 29798. Under Review*.
- "Leakage of Carbon and Co-Pollutants from Regional Cap-and-Trade: Evidence from RGGI", with Mingxuan Fan.
- "Electricity Shortages and Productivity of Small Enterprises: Evidence from India," with Fan Zhang.
- "Estimating Transportation Emissions from Space", with Fan Zhang and Adam Theising.

## Research Support

2020	USDA Hatch, "Rural Zoning, Environmental Amenities & the Distribution of Wealth", \$240,000
2020	Graduate School Grant, "Congestion Pricing, Air Pollution and Inequality", \$66,298
2019	Research Council of Norway, "Distribution and Resource Rents", Co-PI. ~\$800,000
2016	USDA Hatch Grant, "Impact of Frac Sand Mining on Agriculture and Rural Prosperity", \$175,532
2016	Graduate School Grant, "Who Wins (and Loses) from Emissions Trading?" \$55,178
2016	Global Health Institute, "Distributional Impacts of Fossil Fuel Subsidy Reform", \$2,500
2015	Graduate School Grant, "Fuel Subsidies and Industry Competitiveness", \$43,779
2015-	SeaSurf Grant, Research Council of Norway, External Collaborator (L. Nostbakken, PI)
2014	Graduate School Grant, "Distributional Impacts in Environmental Markets", \$45,823)
2014-17	USDA AFRI "Understanding Environmental Tradeoffs..." with D. Parker and D. Phaneuf, \$495,859
2013-18	USDA NNF "Adaptation to Climate Change" with D. Parker and D. Phaneuf, \$238,500
2013	Wisc Energy Inst., "Assessing the Long-Range Co-Benefits of Carbon Emissions Mitigation", \$34,633
2013	Graduate School Grant, "Endogenous Ambient Air Quality Monitoring", \$49,519
2012	Graduate School Grant, "Ecological Impacts of Individual Transferable Quota", \$48,000
2012	USDA Hatch Grant, "Emissions Trading and Hotspots in Wisconsin", \$161,729
2010	USDA Hatch Grant, "Agricultural Land Values, Land Use, and Environmental Change", \$81,096

## Presentations

- 2021 University of British Columbia; Oregon State University; Helsinki Graduate School of Economics; Alliance Graduate Summer School (Columbia University, Ecole Polytechnique, Sciences Po, and Paris 1 Pantheon-Sorbonne University), "Inequality and the Environment", TREE Seminar (Duke, NCSU, RTI)
- 2020 University of California, San Diego; University of Exeter; University of Bergen, Norway;
- 2019 ASSA; University of Hamburg; IZA (Labor Markets and the Environment), Bonn; INRA, Montpellier; CESifo Munich; Asian Development Bank, Manila; Human Responses to the Environment Workshop (CDE)
- 2018 Waseda University, Japan; Tsukuba University, Japan; Utah State; Sophia University, Japan; Tohoku University, Japan; Bergen Energy and Environmental Economics Research Workshop; World Congress of Environmental and Resource Economics, Gothenburg, Sweden; PERC Workshop on Distribution and Environmental Policy, Bozeman; Norwegian School of Economics, Bergen; Oslo Business School, Norway; CREE / Statistics Norway, Oslo;
- 2017 Economics of Energy and Water Resources Workshop, San Diego; Nordic Annual Environmental and Resource Economics; Bergen Economics of Energy and Environment Research; AERE; ADB Workshop, Seoul (Also Co-Organizer); Occasional Workshop, UCSB;
- 2016 Colorado University Environmental Workshop, Vail; AERE Summer Conference, Breckenridge; EEPSEA Conference, Plenary Speaker, Bangkok; UCLA Law School
- 2015 University of Minnesota; Wisconsin Energy Institute; University of Illinois; University of Wageningen, Netherlands; California Workshop in Environmental and Resource Economics; Property and Environment Research Center; Chulalongkorn University, Bangkok; University of New South Wales, Sydney; University of Sydney;
- 2014 University of Iceland; Colorado University Workshop in Resource & Env. Econ; Colorado School of Mines; University of Hawaii at Manoa; WCERE; National Bureau of Economic Research, EEE Program, Stanford University; National University of Singapore; University of Economics, Ho Chi Minh City
- 2013 University of Wisconsin - Milwaukee, Economics Department; 14th Occasional Workshop, UCSB; AERE Annual Meeting, Banff; University of Montpellier, France; Weston Roundtable Lecture, University of Wisconsin - Madison
- 2012 Department of Economics, University of Alberta; EAERE Annual Meeting, Prague; Iowa State University, Dept of Economics; Design & Evaluation of Environmental Markets Workshop, UCSB; 13th Occasional Workshop, UCSB
- 2011 Lessons Learned from Rights-Based Management Workshop, PERC; AAEA Annual Meeting; Hanoi University of Agriculture, Vietnam; University of Wisconsin - Madison
- 2010 University of Minnesota; Heartland Environmental and Resource Economics Workshop; NBER Summer Institute (EEE); World Congress of Env. and Resource Economics

## Teaching

- 2022 (S) AAE 246: Climate Change Economics and Policy
- 2022 (S) AAE 762: Frontiers of Environmental Economics, PhD Level
- 2020 (F) AAE 246: Climate Change Economics and Policy
- 2020 (F) AAE 762: Frontiers of Environmental Economics, PhD Level
- 2020 AAE 643: Foundations of Environmental Economics, Master's Level
- 2020 AAE / Econ / Env St 343: Environmental and Natural Resource Economics
- 2020 Economics of Petroleum, Norwegian School of Economics, Bergen
- 2019 Short Course in Environmental Economics and Applied Econometrics (EEPSEA), Vietnam
- 2019 Eco439 (NHH), Natural Resource Economics (co-instructor)
- 2010-15 AAE / Econ / Env St 343: Environmental & Natural Resource Economics
- 2011-16 AAE 762: Environmental Economics, PhD Level
- 2016-17 AAE 246: Climate Change Economics and Policy
- 2016-17 AAE 711: Benefit Cost Analysis
- 2017 AAE 643: Foundations of Environmental Economics, Master's Level
- 2011, 2013 Short Courses at HUA, Hanoi, Vietnam (Env Econ; Econometrics)

## Honors and Awards

- 2019,21 Visiting Fellow, CESifo, Munich
- 2017 University Housing Teaching Award
- 2016 Vilas Faculty Early Career Investigator Award
- 2016 S.-Y. Hong Award for Outstanding Article, MRE, with C. Costello
- 2015 Lone Mountain Fellowship, Property and Environment Research Center
- 2012 Conservation Leadership Council, "12 for 12 Award"
- 2012-13 Madison Teaching and Learning Excellence (MTLE) Fellow
- 2009 Graduate Research Fellowship, PERC
- 2005-08 NSF IGERT Fellowship, Economics and Environmental Science, UCSB
- 2001 Verband der Deutsch-Amerikanischen Clubs Scholarship, Universät Karlsruhe

## Professional Experience

### *Professional Service & Experience*

- 2020-22 Consultant, World Bank
- 2018-20 Gjestprofessor and Professor II, Norwegian School of Economics
- 2019, 21 Visiting Researcher, CESifo Munich
- Annual Participant, NBER Summer Institute (EEE)
- 2019 Consultant, Asian Development Bank (Market-Based Environmental Management)
- 2019 Consultant, World Bank (Dam Infrastructure Investment in South Asia)
- 2017 Guest Co-Editor of *Asian Development Review* (Climate Change and Development in Asia)
- 2016 External Dissertation Evaluator, Norwegian School of Economics
- 2016 Consultant, Environmental Defense Fund
- 2016 Consultant, World Bank (Load Shedding and Firm Productivity in South Asia)
- 2014 Consultant, World Bank (Income Distribution & Energy Subsidies in Belarus)
- 2014- Participant, Resource Person, EEPSEA
- 2014 UW Visiting Professor, Nazarbayev University, Kazakhstan (1 week)
- 2014 Consultant, Bad River Band of Lake Superior Chippewa

### *Reviewer*

*Journals:* American Economic Journal - Economic Policy, American Economic Journal - Microeconomics, American Economic Journal - Macroeconomics, American Economic Review, American Journal of Agricultural Economics, Ecological Economics, Economic Journal, Economics Letters, Energy Economics, Energy Journal, Energy Policy, Environmental and Resource Economics, Environmental Science and Technology, Journal of the Association of Environmental and Resource Economists, Journal of Economic Behavior and Organization, Journal of Economic Literature, Journal of Environmental Economics and Management, Journal of the European Economic Association, Journal of Political Economy, Journal of Public Economics, Land Economics, Marine Resource Economics, Nature, Proceedings of the National Academy of the Sciences, Quarterly Journal of Economics, Regional Studies and Urban Economics, Review of Environmental Economics and Policy, Science

*Proposals:* Economy and Environment Program for Southeast Asia, National Science Foundation, North Pacific Research Board, Sea Grant Program, University of Michigan Water Center, USDA

### *University Service*

CALS Diversity Representative, Seminar Speaker Series Organizer, AAE, Graduate Committee, AAE, Job Market Coordinator, AAE, Space Czar, AAE Department, Environmental Science Committee, Faculty Senate, Undergraduate Committee, AAE, Personnel Committee, AAE, Applied Workshop Organizer, Panel Speaker: Rising to the Climate Challenge, Guest Lectures in AOSS, EPD, Inter CALS, WEI

*External PhD Evaluation:* 1

*Tenure Evaluation:* 1

Primary Advisor to 6 Current PhD Students

Advised 7 Completed PhDs, 3 Completed MS degrees