

# Ivan Rudik

## Address

462 Warren Hall  
Cornell University  
Ithaca, NY 14853

## Contact Information

irudik@cornell.edu  
<https://ivanrudik.com>

---

## Academic Appointment

Cornell University

Ruth and William Morgan Assistant Professor	2020–
Assistant Professor, Dyson School of Applied Economics and Management	2018–
Faculty Fellow, Atkinson Center for a Sustainable Future	2018–

Iowa State University

Assistant Professor, Department of Economics	2015–2017
Center For Agricultural and Rural Development	2015–2017

## Education

Ph.D., Economics	2015
University of Arizona	
M.A., Economics	2011
University of Arizona	
B.S., Economics	2010
Rochester Institute of Technology	

## Publications

Hollingsworth, A. and I. Rudik. 2021. The Effect of Leaded Gasoline on Elderly Mortality: Evidence from Regulatory Exemptions. **American Economic Journal: Economic Policy** 13(3):345–73.

Liang, Y., I. Rudik, E. Zou, A. Johnston, A. Rodewald, C. Kling. 2020. Conservation Co-Benefits from Pollution Regulation: Evidence from Birds. **Proceedings of the National Academy of Sciences** 117(49):30900–30906.

Lade, G. and I. Rudik. 2020. Costs of Inefficient Regulation: Evidence from the Bakken. **Journal of Environmental Economics and Management**: 102336.

Rudik, I. 2020. Optimal Climate Policy When Damages are Unknown. **American Economic Journal: Economic Policy** 12(2):340–73.

Hollingsworth, A. and I. Rudik. 2019. External Impacts of Local Energy Policy: The Case of Renewable Portfolio Standards. **Journal of the Association of Environmental and Resource Economists** 6(1):187–213.

Keiser, D., G. Lade, and I. Rudik. 2018. Air Pollution and Visitation at U.S. National Parks. **Science Advances** 4(7):eaat1613.

Rudik, I. 2018. Tradable Credit Markets for Intensity Standards. **Economic Modelling** 72:202-215.

Lemoine, D. and I. Rudik. 2017. Steering the Climate System: Using Inertia to Lower the Cost of Policy. **American Economic Review** 107(10):2947-57.

Lemoine, D. and I. Rudik. 2020. Steering the Climate System: Reply. **American Economic Review** 110(4):1238–41.

Lemoine, D. and I. Rudik. 2017. Managing Climate Change Under Uncertainty: Recursive Integrated Assessment at an Inflection Point. **Annual Review of Resource Economics** 9:117-142.

Burke, M., M. Craxton, C. D. Kolstad, C. Onda, H. Allcott, E. Baker, L. Barrage, R. Carson, K. Gillingham, J. Graff-Zivin, M. Greenstone, S. Hallegatte, W.M. Hanemann, G. Heal, S. Hsiang, B. Jones, D. L. Kelly, R. Kopp, M. Kotchen, R. Mendelsohn, K. Meng, G. Metcalf, J. Moreno-Cruz, R. Pindyck, S. Rose, I. Rudik, J. Stock, R. S. J. Tol. 2016. Opportunities for Advances in Climate Change Economics. **Science** 352(6283):292–93.

## Working Papers

The Economic Effects of Climate Change in Dynamic Spatial Equilibrium (with Gary Lyn, Weiliang Tan, Ariel Ortiz-Bobea)

The Economic Geography of Environmental Regulation: Welfare and Distributional Effects of the Clean Air Act (with Alex Hollingsworth, Taylor Jaworski, and Carl Kitchens)

Economic Production and Biodiversity in the United States (with Yuanning Liang and Eric Zou)

A Thousand Cuts: Cumulative Lead Exposure Reduces Academic Achievement (with Alex Hollingsworth, Mike Huang, and Nicholas Sanders)

## Grants

National Oceanic and Atmospheric Administration (\$400,000)	Co-PI - 2020
Cornell Atkinson Academic Venture Fund (\$175,000)	PI - 2020
Cornell NYC Visioning Grant (\$74,200)	Co-PI - 2019
NBER Economics of Energy Markets Grant (\$23,000)	Co-PI - 2016

## Seminars and Conferences

**2022** Kansas City Federal Reserve, Mines ParisTech, Toulouse School of Economics, Indiana University, Georgetown, CESifo Area Conference on Energy and Climate Economics, University of Colorado, Duke-NCSU-TREE, Oregon State, ASSA

**2021** University of Gothenburg, Trade Spatial Economics and the Environment, IWH-CIREQ-GW Macroeconometric Workshop (discussant), University of Massachusetts, Philadelphia Federal Reserve, BIOECON, University of Arizona, Virtual Seminar on Climate Economics, Symposium on Natural Resource Governance for Young Scholars

**2020** Penn State, Tennessee, WEAI Presidential Session (discussant), AERE, Global Open Seminar on Environmental Economics, NBER EEE Spring, Cornell Lab of Ornithology, ASSA (presenter, discussant)

**2019** UC Davis, Carnegie Mellon University, UC San Diego, The Workshop in Environmental Economics and Data Science, University of Connecticut, ASSA (discussant)

**2014–2018** Inter-American Development Bank, MIT CEEPR Fall Workshop, Heartland Environmental and Resource Economics Workshop, NBER EEE SI, Northeast Workshop on Energy Policy and Environmental Economics, Resources For the Future, Maryland AREC, ASSA, Minnesota APEC, East Carolina University, Cornell Dyson, EAERE, AERE, AAEA, Indiana University SPEA, Economics of Water and Energy Workshop (discussant), Colorado School of Mines, CU Environmental and Resource Economics Workshop, AERE, Fourth Annual Canadian Ph.D. and Early Career Workshop in Environmental Economics, NBER Economics of Energy Markets, UC Berkeley ARE, Stanford Research Frontiers in the Economics of Climate Change Workshop, The Occasional Workshop in Environmental and Resource Economics, NBER EEE SI, AERE, Iowa State University, University of Miami, Heartland Environmental and Resource Economics Workshop (poster), CU Environmental and Resource Economics Workshop, Western Economics Association Conference

## Referee Service

Agricultural Economics, American Economic Journal: Economic Policy, American Economic Journal: Macroeconomics, American Economic Review, American Journal of Agricultural Economics, Climatic Change, Economics and Human Biology, Economic Journal, Energy Economics, Energy Journal, Environmental Research Letters, Environmental and Resource Economics, Journal of the Association of Environmental and Resource Economists, Journal of Economic Theory, Journal of Environmental Economics and Management, Journal of Health Economics, Journal of Policy Analysis and Management, Journal of Public Economics, National Science Foundation, Nature: Climate Change, Nature: Communications, Oxford Bulletin of Economics and Statistics, Proceedings of the National Academy of Sciences, Review of Economic Dynamics, Review of Environmental Economics and Policy, Science Advances, Society and Natural Resources

## Professional Service

JAERE Editorial Council	2021–
AERE Professional Development Series Panelist	2021
AAEA Annual Meeting Reviewer	2017, 2022

## University Service

Computational Tools for Social Scientists Workshop	2020–
Graduate Studies Committee	2018–

## Teaching

### Cornell University

AEM 4510: Environmental Economics (undergraduate)	2021–
AEM 4515: Business and Economics of Energy (undergraduate)	2018–2019
AEM 6510: Environmental and Resource Economics (masters)	2018–
AEM 7130: Dynamic Optimization (Ph.D.)	2019–
AEM 7852: SEERE Seminar (workshop)	2018–

### Iowa State University

ECON 101: Principles of Microeconomics	2016–2017
ECON 380: Environmental and Resource Economics	2017
ECON 509: Applied Numerical Methods in Economics	2016–2017

### The University of Arizona

BNAD 301 Online: Global and Financial Economics and Strategies	2013, 2014
ECON 323: The Economics of Sports	2013
ECON 373: Environmental Economics	2012, 2014

## Awards

Cornell Center for Social Science Fellowship	2022
Cornell Dyson Outstanding Early Career Achievement Award	2021

## Advising (\* *chair*)

### Ph.D.

**Current:** *Luc Esprabens\**; *Mike Huang\**; *Weiliang Tan\**; Marley Bonacquist-Currin; Bingyan Dai; Emiliano Harris; Antonia Marcheva; Deyu Rao; Hui Zhou

**2022:** Muye Chen (Amazon); Louis Sears

**2021:** *Diego Cardoso\** (*Purdue Ag Econ*); Yuanning Liang (Peking University); Lin Yang (Hong Kong University of Science and Technology)

### Masters

**Current:** *Xuquan Ma\**, Gemma Del Rossi, Byron Song, Henry Williams, Delta Zhang, Terry Zhang

**2021:** *Haotian Wu\** (*Ohio State AEDE Ph.D.*); Louis Chua (Hawaii DNRE Ph.D.); Visen Liu

**2020:** *Jinge Li\** (*Yale Environment Ph.D.*); Marley Bonacquist-Currin (Cornell DNRE Ph.D.); Yikuan Ji (Maryland AREC Ph.D.)

**2019:** Congyan Han (Wisconsin Urban Land Ph.D.)

## Undergraduate

**2021:** *Angela Zeng\** (*Duke Nicholas M.E.M.*)

## Outreach

### Publications

Keiser, D., G. Lade, and I. Rudik. 2018. Ozone Pollution in US National Parks is Nearly the Same as in Large Cities. **The Conversation**.

Lade, G. and I. Rudik. 2017. Efficient Environmental Regulation in the Unconventional Oil Industry. **Center for Agricultural and Rural Development Agricultural Policy Review**.

### Media

Hidden Curriculum Podcast	2021
Science Sessions Podcast	2020
Climate Reality Campus Corps Panel Speaker	2017

## Other

**Professional Associations:** AEA, AERE

**Training:** SCRiM Summer School for Sustainable Climate Risk Management, Fourth Annual Interdisciplinary School on Geoengineering

**Citizenship:** U.S.

**Languages:** English (native), American Sign Language (intermediate)

---

*Last Updated: February 5, 2022*