

RESEARCH INTERESTS

Environment and Resources Economics: Water management, climate change adaptation, environmental valuation

EDUCATION

Cornell University , Ithaca, NY	August 2020 — Expected: May 2026
PhD in Applied Economics and Management	
Primary Adviser: Ivan Rudik	
University of Arizona , Tucson, AZ	August 2016 — May 2020
B.A. in Mathematics; B.A. in Philosophy, Politics, Economics and Law	

RESEARCH

Work in Progress

1. “The effects of annual water forecasts on irreversible groundwater investments and long-run water use,” Job Market Paper
2. “Equity and efficiency in international climate adaptation portfolios,” with Derek Lemoine and Ivan Rudik
3. “Quantifying the future effects of current natural resource use: A global study of groundwater drawdown”

Publications and Forthcoming

1. Rudik, I., Lemoine, D., and Marcheua, A. (2024). Equity and efficiency in the bipartisan infrastructure law’s adaptation investments. Technical report, National Bureau of Economic Research. Forthcoming

RESEARCH EXPERIENCE

Research Assistant , Cornell University	
Dr. Ivan Rudik	2021, 2022, 2024
Dr. Catherine Kling	2022
Research Assistant , University of Arizona	
Dr. George Frisvold	2019-2020
Dr. Price Fishback	2019
Lab Assistant , University of Arizona	
Dr. Charles Noussair	2019-2020

TEACHING EXPERIENCE

Teaching Assistant , Cornell University	
Environmental Economics (grader), PhD	2023
Environmental Economics, undergraduate	2023
Energy Economics, undergraduate	2021
Teaching Assistant , University of Arizona	
Intermediate Microeconomics, undergraduate	2019

CONFERENCE AND SEMINAR PRESENTATIONS

2024: Cornell University
2023: Northeast Energy and Environmental Economics Conference (egg timer); Cornell University
2022: Berkeley/Sloan Summer School (egg timer); Cornell University

FELLOWSHIPS AND AWARDS

Edward and Janet Heslop Fellowship, Cornell University	2022, 2023
Cornell Graduate School Fellowship	2020
Flinn Foundation Scholarship	2016

PROFESSIONAL SERVICE

Student Liaison , Sustainable Energy and Environmental Resources Seminar at Cornell	2022
Dyson Diversity Council , Member, Cornell University	2021-2023
Events Coordinator , Economics Graduate Student Association	2023

Other

Citizenship: United States, European Union (Bulgaria)

Languages: English (native), Spanish, Russian, Bulgarian (Intermediate)