

# Steven W. Wilcox

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## Academic Positions

*Assistant Professor* 2022-Present  
Department of Applied Economics, Utah State University

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## Education

*Cornell University* 2022  
Ph.D. in Applied Economics and Management

*Bard College* 2005  
M.S. in Environmental Policy

*Utah State University* 2002  
B.A. *cum laude* in American Studies, Spanish, Geology

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## Research Interests

Environmental and Natural Resource Economics  
Agricultural and Development Economics  
Food, Agriculture, Food Security, Land & Resource Use, Conservation and Policy  
Remote Sensing Applications in Applied Economics

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## Working Papers

“The Role of Staple Food Prices in Deforestation: Evidence from Cambodia”, with David R. Just, Ariel Ortiz-Bobea. *under review*

“To (rent) bees or not to (rent) bees? An examination of the farmer’s question”, with Miguel I. Gómez, Heather Grab, David R. Just, C.-Y. Cynthia Lin Lawell. *under review*

“Disentangling Drivers of Rangeland Degradation in Mongolia: Herd Size Versus Climate Over 1985-2022”, with Avralt-Od Purevjav (lead author), Tumenkhusel Avrimed, and Christopher B. Barrett. *under review*

“Mapping Rangeland Health Indicators in East Africa from 2000 to 2020”, with Gerardo E. Soto (lead author), Christopher B. Barrett, Patrick E. Clark, Francesco P. Fava, Nathaniel D. Jensen, Njoki Kahi, Chuan Liao, Benjamin Porter, Ying Sun. *under review*

“The Environmental Impacts of Microfinance: An Empirical Study of Index-Based Livestock Insurance and East African Rangelands”, with Christopher B. Barrett, Patrick E. Clark, Francesco P. Fava, Nathaniel D. Jensen, Njoki Kahi, Benjamin Porter, Gerardo E. Soto, Ying Sun.

“The Distributional Implications of Carbon Taxation for U.S. Crop Farms”, with Jennifer E. Ifft (lead author) and Pietro Spini.

## Works in Progress

“Farm-level Pollination Supply and Demand and Optimal Pollination Strategy: An Empirical Study of New York Apple Farmers”, with Bryan N. Danforth, Heather Grab, David R. Just, C.-Y. Cynthia Lin Lawell, and Maria Van Dyke.

“Long Run Trends in East African Rangeland Quality.”, Gerardo E. Soto (lead author), with Christopher B. Barrett, Patrick E. Clark, Francesco P. Fava, Nathaniel D. Jensen, Njoki Kahi, Chuan Liao, Benjamin Porter, Ying Sun.

## In Development

“The Great Salt Lake, Air Quality, and Public Health: An Empirical Study of a Declining Great Salt Lake and Health Outcomes in Utah, 1985-2022”, with Christopher C. Brown.

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## Grants

- 2023 – Utah Agricultural Experiment Station Seed Grant (\$46,128.52). “The Great Salt Lake, Air Quality, and Public Health: An Empirical Study of a Declining Great Salt Lake and Health Outcomes in Utah, 1985-2022.” Principal Investigator: **Steven W. Wilcox**. Co-PI: Christopher C. Brown.
- 2021 – Environmental Impacts of Agricultural Intensification, CGIAR-Standing Panel on Impact Assessment (Phase II, \$76,679). “Rangeland Health and Index-Based Livestock Insurance: Innovations in Measurement and Evaluation.” Principal Investigator: Christopher B. Barrett. Co-Principal Investigators: Ying Sun, Nathaniel D. Jensen. Collaborators: Patrick E. Clark, Francesco P. Fava, Njoki Kahi, Chuan Liao, Diba Galgalo, Oscar Naibei, Gerardo E. Soto, and **Steven W. Wilcox**.

- 2020 – Environmental Impacts of Agricultural Intensification, CGIAR-Standing Panel on Impact Assessment (Phase I, \$127,799). “Rangeland Health and Index-Based Livestock Insurance: Innovations in Measurement and Evaluation.” Principal Investigator: Christopher B. Barrett. Co-Principal Investigators: Ying Sun, Nathaniel D. Jensen. Collaborators: Patrick E. Clark, Francesco P. Fava, Njoki Kahi, Chuan Liao, Diba Galgallo, Oscar Naibei, Gerardo E. Soto, and **Steven W. Wilcox**.
  - 2019 – Engaged Cornell Supplemental Academic Venture Fund Grant (\$10,000). “Sustainable Agricultural Pollination Resource Investment and Management for New York Apple Farmers.” Principal Investigator: David R. Just. Co-Principal Investigators: Bryan N. Danforth, Miguel I. Gómez, and C.-Y. Cynthia Lin Lawell. Collaborators: Heather Grab, Craig Kahlke, Maria van Dyke, and **Steven W. Wilcox**.
  - 2019 – Academic Venture Fund (AVF) Award, Atkinson Center for a Sustainable Future (\$101,327). “Sustainable Agricultural Pollination Resource Investment and Management for New York Apple Farmers.” Principal Investigator: David R. Just. Co-Principal Investigators: Bryan N. Danforth, Miguel I. Gómez, and C.-Y. Cynthia Lin Lawell. Collaborators: Heather Grab, Craig Kahlke, Maria van Dyke, and **Steven W. Wilcox**.
  - 2018 – Sustainable Biodiversity Fund Grant, Atkinson Center for a Sustainable Future (\$7,600). “Optimal Investment in a Pollination Resource Stock Under Uncertainty”. Principal Investigator: **Steven W. Wilcox**. Collaborators: David R. Just, C.-Y. Cynthia Lin Lawell, Miguel I. Gómez.
  - 2017 – Richard Bradfield Research Award (\$3,500), College of Agriculture and Life Sciences, Cornell University. Principal Investigator: **Steven W. Wilcox**. Collaborators: David R. Just and Ariel Ortiz-Bobea.
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## Presentations

*2023*: AERE summer conference in Portland, Maine (June); WAEA-CAES summer conference in Whistler, B.C. (July); AAEA summer conference in Washington D.C. (July).

*2022*: University of Utah (February); Utah State University (February); Development seminar at Cornell University (March); CGIAR-SPIA webinar (invited talk on ‘Lessons Learned’) (May); Cornell University (June); NC-1034 Multi-state Project at Anaheim, CA (August).

*2021*: Utah State University (March); SEERE seminar at Cornell University (April); Development seminar at Cornell University (April, October).

*2020*: Global Food Symposium, University of Göttingen (April, canceled due to COVID-19); Cambodia CGIAR-SPIA-USCB-emLab – Workshop on Environmental Impacts of Agricultural Intensification (August); Development Seminar at Cornell University (September);

Food Studies International Conference (October); CURB - Innovative Perspectives on the Environment Symposium (October); NEUDC (November).

2019: Development and SEERE seminars at Cornell University (February, March, and April); Cornell Atkinson Center (April); SEERE Seminar at Cornell University (October).

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## Teaching

### Utah State University

*APEC 3012: Introduction to Natural Resource and Regional Economics* Spring, Fall 2023

*APEC 5330/6330 (ECN 6300): Applied Econometrics* Fall 2023

### Cornell University

AEM 4500 / ECON 4810: Resource Economics Spring Semester 2019  
*Teaching Assistant* for Professor Cynthia Lin Lawell

AEM 2350: Introduction to the Economics of Development Fall Semester 2016, 2018  
*Teaching Assistant* for Professor Steve Kyle

AEM 2300: International Trade and Finance Spring Semester 2018  
*Teaching Assistant* for Professor David R. Lee

## Advising

### Utah State University

*Savanna Craig, M.S. Applied Economics* 2022 - Present

### Cornell University

*Tumenskhusel Avrimed, Honors Undergraduate Thesis* Fall 2020 - Spring 2021  
*Co-Supervision w/C.B. Barrett*

## Awards and Honors

- 2018-2022 – Research Fellow, David R. Atkinson Center for a Sustainable Future, Cornell University.
- 2020 – Dyson Graduate Student Outstanding Engaged Research Award, Cornell University.
- 2003-2005 – Bard Center for Environmental Policy Fellowship, Bard College.
- 2001 – N.A. Pederson and Alice Tippets Scholarships, Utah State University.

## Media Citations

“Dyson celebrates 2020 faculty, staff, and student award recipients”. *Dyson Business Feed*. 22 June 2020.

“2022 SPIA Webinar Series: Supporting the Design of Rigorous Impact Evaluations of CGIAR Innovation”. *CGIAR-SPIA webinar series: webinar #14: Environmental and long-term impacts of Index Based Livestock Insurance*. 18 May 2022

## Professional Service

Review for: AAEA conference paper submissions; Applied Geography; PLOS Climate.	2023
Sustainable Biodiversity Fund Award reviewer, Atkinson Center, Cornell University	2019
STAARS Fellowship application reviewer, Cornell University,	2018-2022
NEUDC submission reviewer, Cornell University	2018
Member, Technical Advisory Committee, Jordan River Commission, Utah	2011-2015

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## Other Work Experience

<i>Research Assistant</i> for Professor Christopher B. Barrett	Summer 2020 to Spring 2022
<i>Research Assistant</i> for Professor David R. Just	Fall 2019, 2021, Spring 2020
<i>Graduate Research Associate</i>	5/2018 to 7/2022

Cornell University Think-tank for Resources, Energy, and the Environment:  
Science and Policy-related Economic Analysis and Research (TREESPEAR)

*Research Assistant* for Professor Jennifer Ifft

Fall 2017

*State Wetland Restoration Specialist*

1/2013 to 7/2015

USDA Natural Resources Conservation Service (NRCS), Salt Lake City, Utah

Duties: Provide lead technical assistance to field offices throughout Utah for the Wetland Reserve Program as a member of the NRCS-Utah State Resources Staff.

*Spanish Translator*

1/2007 to 2/2007

Intermountain West Joint Venture, Salt Lake City, Utah and Nayarit, Mexico

Duties: Provide translation services in Utah and Mexico for a workshop on avian survey protocols, conservation planning, and monitoring for the Marismas Nacionales, Nayarit, Mexico.

*Habitat Biologist*

7/2006 to 1/2013

USDA-NRCS and Utah Division of Wildlife Resources (UDWR), Ogden and Price, Utah

Duties: Provide technical conservation planning and habitat restoration assistance to NRCS field offices regarding wildlife and habitat, coordinate additional assistance from the UDWR.

*Forestry Technician*

multiple seasons, 2002-2003, 2005

USDA-Forest Service (USDA-FS) and Montana State University (MSU)

Duties: Carry out forest stand surveys for research on aspen regeneration in the Greater Yellowstone Ecosystem (for USDA-FS and MSU), and as a part of the USDA-FS Forest Inventory and Analysis Program (FIA). Field locations in Wyoming, Montana, and Nevada.

*Research Intern*

7/2004 to 12/2004

Proyecto Campanario, San Jose and Osa Peninsula, Costa Rica

Duties: Implement an economic feasibility analysis for a proposed private trail system in the buffer zones of national parks and protected lands in the Osa Peninsula.

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## Code, Computers, etc.

I do the majority of my coding in R and Matlab, I often use spatial and remote sensing platforms like Google Earth Engine, and I sometimes make use of high performance computing clusters.

## **Languages**

Spanish (solid speaking and writing); English (native speaker).

## **For Fun**

When not working or studying, here are some of things I enjoy doing for fun and sanity: spending time with my immediate-family and extended families; anything to do with climbing (bouldering, trad and sport climbing, mountaineering); anything to do with skiing (telemark, backcountry, skate skiing); backpacking; fly-fishing; music (studying, playing, writing); reading and writing; gardening and construction work.