

Pierce Donovan

(Updated January 2022)

Current Position: (2020-Present)
Visiting Assistant Professor, Economics
Colgate University
Hamilton, NY 13346

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Education

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| | University of California, Davis |
| 2020 | <i>Ph.D.</i> Agricultural and Resource Economics
Dissertation: Shadow value viability in natural resource economics
Committee: Michael Springborn (Chair), James Sanchirico, James Wilen
Fields: Environment and Natural Resources, Development, Econometrics |
| | Rochester Institute of Technology |
| 2015 | <i>B.S.</i> Physics and Economics; <i>Minor</i> , Mathematics |

Publications

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| Aug 2019 | <i>Safety in numbers: Cost-effective endangered species management for viable populations</i>
Pierce Donovan , Lucas Bair, Charles Yackulic, and Michael Springborn
Land Economics 95(3): 435-453. |
| June 2019
<i>Outreach</i> | <i>Maintaining the long-term viability of the humpback chub in the Grand Canyon</i>
Pierce Donovan and Michael Springborn
ARE Update 22(5): 5-8. |
| Feb 2019 | <i>Recreational leasing of Alaska commercial halibut quota: The early years of the GAF program in Alaska</i>
Kailin Kroetz, Daniel Lew, James Sanchirico, and Pierce Donovan
Coastal Management 47(2): 207-226. |

Working Papers

(These papers can be found on my website.)

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| R&R | <i>Balancing conservation and commerce: A shadow value viability approach for governing bycatch</i>
Pierce Donovan and Michael Springborn |
| | <i>The economic benefits of designer flows in river conservation</i>
Pierce Donovan , Matthew Reimer, Michael Springborn, Charles Yackulic, and Lucas Bair |
| | <i>Cost-effective species viability</i> |
| | <i>Encouraging the defragmentation of habitat across a privately-owned landscape</i> |
| | <i>An alternative climate policy tool that reflects the scientific consensus</i> |

Other Works in Progress

(These papers exist, but are not yet circulated.)

Trees produce large flood prevention benefits: A natural experiment leveraging deciduous tree biology

Limited foresight and regime shifts: A rational response to an ambiguous future

Pierce Donovan and David Finnoff

Modal dynamic programming

Banks or corridors? A graph-theoretic approach for conservation site selection

Greening the blockchain: Economic solutions for cryptocurrency-based emissions abatement

Time-scarcity and meaningful voir dire: Lessons from the Sunshine Project

Conference and Invited Presentations

April 22 **An economist's perspective on the power and utility of a physics education**
School of Physics and Astronomy Colloquium (Rochester Institute of Technology)

April 22 **Encouraging the defragmentation of habitat across a privately-owned landscape**

Economics Department Seminar Series (Virginia Tech)

Oct 21 CU Environmental and Resource Workshop (CU Boulder)

Sept 21 Biodiversity and Economics for Conservation Conference (UWYO)

Balancing conservation and commerce

May 21 World Conference on Natural Resource Modeling (iDiv)

June 20 AERE Virtual Conference (AERE)

Cost-effective population viability

March 20 Southwest Biological Science Center (USGS)

Integrating commercial and ecological objectives in multi-species fisheries

Aug 19 Camp Resources (NCSU)

Efficient management and shadow valuation of vulnerable bycatch species

May 19 AERE Annual Summer Conference (AERE)

April 19 Giannini Foundation of Agricultural and Resource Economics Student Conference (Davis)

A [brief] history of marine fisheries management

Sept 18 Japanese Agricultural Training Program (UC Davis Extension)

Safety in numbers: Cost-effective endangered species management for viable populations

Sept 18 CU Environmental and Resource Workshop (CU Boulder)

June 18 Western Economics Annual Conference (WEAI)

Translating population viability analysis

Oct 17 Heartland Environmental and Resource Economics Workshop (UIUC)

Teaching Experience

(Syllabi are available on my website.)

Colgate University

Visiting Assistant Professor

2022	ECON 375: Applied Econometrics
'20, 21, 22	ECON 228: Environmental Economics
2021	ECON 383: Natural Resource Economics
2020	CORE 143: Introduction to Statistics

UC Davis

Associate Instructor

2018	ARE 106: Econometric Theory and Applications
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Teaching Assistant

2020	ARE 175: Natural Resource Economics
2019	ARE 176: Environmental Economics
2018	ESP 162: Environmental Policy
2016	ARE 143: Investments
2016, 17	ARE 106: Econometric Theory and Applications
2016	ARE 100B: Intermediate Microeconomics II

RIT

Teaching Assistant

2015	PHYS 111: College Physics I
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Other Scholarship

Awards and Major Grants

2019	Scott McNiven Community Service Award (UC Davis ARE)
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Outreach

2021	<i>How to use a VAP position to your advantage</i> (Interview with <i>The Hidden Curriculum</i>) [Podcast]
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Affiliations

AERE Scholar (Association of Environmental and Resource Economists)
UC Davis NatuRE Policy Lab Alumni