

# JORGE HOLZER

Department of Agricultural and Resource Economics  
2117 Symons Hall, College Park, MD 20742-5535  
301-405-1918, jholzer@umd.edu

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## CURRENT AND RECENT APPOINTMENTS

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Associate Professor, Department of Agricultural and Resource Economics, University of Maryland, College Park, August 2019-present

Assistant Professor, Department of Agricultural and Resource Economics, University of Maryland, College Park, August 2013-July 2019

Fisheries Economist, Maryland Department of Natural Resources, June 2010 - August 2013

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## EDUCATION

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Ph.D., Agricultural and Resource Economics, University of Maryland, College Park, 2010

MBA, University of Oxford, 2000

M.S. (with Distinction), Industrial Engineering, Pontificia Universidad Católica de Chile, 1996

B.S., Industrial Engineering, Pontificia Universidad Católica de Chile, 1994

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## PUBLICATIONS

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“Welfare with Imperfect Foreknowledge: The Case of Risk Aversion”, with Kenneth McConnell, *Land Economics*, 2020, 96(1):43-55.

“Deepwater Horizon Oceanic Fish Restoration Project: An Application of Market Mechanisms for Conservation”, with Kristen Byler, *Marine Policy*, 2019, 108:1-9.

“Intertemporal Quota Arbitrage in Multispecies Fisheries”, with Geret DePiper, *Journal of Environmental Economics and Management*, 2019, 93:185-207.

“Confidence of the Trembling Hand: Bayesian Learning with Data-Limited Fish Stocks”, with Qian Qu, *Natural Resource Modeling*, 2018, doi: 10.1111/nrm.12164.

“Buybacks with Costly Participation”, with Geret DePiper and Douglas Lipton, *Journal of Environmental Economics and Management*, 2017, 85:130-145.

“Risk Preferences and Compliance in Recreational Fisheries”, with Kenneth McConnell, *Journal of the Association of Environmental and Resource Economists*, 2017, 4(S1):1-35.

“Harvest Reporting, Timely Information and Incentives for Technology Adoption”, *American Journal of Agricultural Economics*, 2017, 99(1):103-122.

“A Model of Access in the Absence of Markets”, with Kenneth McConnell, *The B.E. Journal of Theoretical Economics*, 2016, 16(1):367-388.

“Property Rights and Choice: The Case of the Fishery”, *American Journal of Agricultural Economics*, 2015, 97(4):1175-1191.

“Harvest Allocation without Property Rights”, with Kenneth McConnell, *Journal of the Association of Environmental and Resource Economists*, 2014, 1(1):209-232.

“Rent-Seeking and Incentives for Compliance in the Commons,” with Douglas Lipton and Olivier François, *American Journal of Agricultural Economics*, 2013, 95(1):117-130.

## WORKING PAPERS

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“Precautionary Buffers and Stochastic Dependence in Environmental Policy”, with Lars Olson (under review).

“Food and Fraud: On the *Codfather* and Harvest Mislabeled”, with Geret DePiper.

“Sector Allocations: Harnessing Incentives for Collective Action in the Commons”, working paper.

## WORK IN PROGRESS

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“Catch it. Kill it. Eat it? Maybe. The Case of the Invasive Blue Catfish”, with Lars Olson.

“Phytosanitary Controls and Trade Disputes”, with Lars Olson and Santanu Roy.

“Inferring Stock Migration Patterns in Commercial Fisheries”, with Douglas Lipton.

## OTHER PUBLICATIONS

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“La Transparència en la Captació de fons privats,” *Revista Econòmica de Catalunya*, 2003, 47:94-103.

## TEACHING

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AREC 200: “The Chesapeake Bay Ecosystem: Intersection of Science, Economics and Policy”.

AREC/ECON 785: “Advanced Economics of Natural Resources” (Ph.D Level).

AREC 610: “Microeconomic Applications in Agricultural and Resource Markets” (Ph.D Level).

First-Year Innovation & Research Experience (FIRE)- Sustainability Analytics, 2019.

Guest lecture: “New Markets and Environmental Valuation Methods”, ENST 410 “Ecosystem Services: An Integrated Analysis”, October 21st, 2014, October 27th, 2015 and October 25th, 2016.

## CONTRACTS AND GRANTS

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Cooperative Institute for the North Atlantic Region (CINAR), \$169,000, “The effect of catch restrictions on recreational catch, through June 2014”, Co PI.

Maryland Department of Natural Resources - Fisheries Service, \$224,000, hiring of a fisheries economist and provision of policy advice on fisheries management issues, through August 2016, PI.

National Fish & Wildlife Foundation and NOAA Fisheries, \$22,500, “2017 Deepwater Horizon Oceanic Fish Restoration Project - Supporting a Healthier Gulf of Mexico: Compensation Design”, June 2016.

National Fish & Wildlife Foundation and NOAA Fisheries, \$6,000, “2018 Deepwater Horizon Oceanic Fish Restoration Project - Supporting a Healthier Gulf of Mexico: Compensation Design”, July 2017.

National Marine Fisheries Service, \$82,180, “Modeling recreational anglers’ responses to risky catch”, 2017, PI.

National Fish & Wildlife Foundation and NOAA Fisheries, \$8,500, “2019 Deepwater Horizon Oceanic Fish Restoration Project - Supporting a Healthier Gulf of Mexico: Compensation Design”, July 2018.

National Fish & Wildlife Foundation and NOAA Fisheries, \$11,112, “2020 Deepwater Horizon Oceanic Fish Restoration Project - Supporting a Healthier Gulf of Mexico: Compensation Design”, July 2019.

## CONFERENCE PRESENTATIONS AND INVITED SEMINARS

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“Food and Fraud: on the *Codfather* and Harvest Mislabeled” presented at the Association of Environmental and Resource Economists (AERE) 2019 Summer Conference, Lake Tahoe, June 30, 2019.

“Discrete Choice Models with Biased Beliefs: The Case of Risk Aversion” presented at the International Institute of Fisheries Economics and Trade (IIFET) 2018 Conference, Seattle, July 17, 2018.

“Intertemporal Quota Arbitrage in Multispecies Fisheries,” presented at the Yale School of Forestry & Environmental Studies, New Haven, April 18, 2018.

“Intertemporal Quota Arbitrage in Multispecies Fisheries,” presented at Department of Agricultural and Resource Economics, UC Davis, Davis, February 15, 2018.

“Intertemporal Quota Arbitrage in Multispecies Fisheries,” presented at Resources for the Future, Washington D.C., April 13, 2017.

“Confidence of the Trembling Hand: Bayesian Learning with Data-Poor Stocks,” presented at the North American Association of Fisheries Economists (NAAFE) 2017 Forum, La Paz, Mexico, March 23, 2017.

“A Model of Quota Arbitrage in Multispecies Fisheries,” presented at the Association of Environmental and Resource Economists (AERE) 2016 Summer Conference, Breckenridge, Colorado, June 10, 2016.

“Harvest Reporting, Uncertainty and the Value of Timely Information,” presented at the International Institute of Fisheries Economics and Trade (IIFET) 2014 Conference, Brisbane, Australia, July 8, 2014.

“Allocation without Property Rights,” Dept. of Economics, Universidad de Concepción, Concepción, Chile, August 2013.

“Revisiting Commercial-Recreational Sector Quota Allocations,” presented at the North American Association of Fisheries Economists (NAAFE) 2013 Forum, St. Petersburg, Florida, May 2013.

“Inferring Stock Migration Patterns from Landings Data and Profit Maximization,” presented at the North American Association of Fisheries Economists (NAAFE) 2013 Forum, St. Petersburg, Florida, May 2013.

“Maryland Blue Crab License Buybacks,” presented at the conference “Providing Environmental Services from Agriculture in a Budget-Constrained Environment,” Washington DC, April 2012.

“Temporary Transfers and Harvesting Efficiency in Maryland Fisheries,” presented at the North American Association of Fisheries Economists (NAAFE) 2011 Forum, Honolulu, Hawaii, May 2011.

#### RECENT AND ONGOING EXTENSION ACTIVITIES

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Co-chaired the Commissioner Workshop on Fisheries Socioeconomics at the Atlantic States Marine Fisheries Commission’s 73rd Annual Meeting. Led the session on economics titled “Cost-benefit Analysis vs Impact Analysis in Fisheries Management”, Mystic, CT, October 30, 2014.

“Allocation without Property Rights” presented at the NOAA Allocation Workshop, Seattle, WA, September 23-24, 2014.

Briefing to the Maryland Sport Fish Advisory Commission on the role of cost-benefit analysis in efficient harvest allocation decisions, Annapolis, MD, January 27, 2014.

“Maryland Striped Bass ITQ Implementation ” presented to Maryland DNR’s Estuarine and Marine Fisheries Program, Annapolis, MD, November, 2013.

“Property Rights, Allocation and Choice: The Case of Maryland Striped Bass” poster presented at the 2014 UME Conference, Annapolis, MD, March, 2014.

“The Economic Impact of Maryland’s Commercial Fishing Industry,” presented at the Maryland Watermen’s Symposium (organized by the Comptroller of Maryland), Wye Mills, MD, April, 2013.

“Cost Recovery Analysis 2012,” led to adoption in Maryland of House Bill 1372 in April of 2013.

Member, task force in charge of review of Maryland Striped Bass Fisheries Management Plan (FMP), April-November, 2013.

Vice-Chair, Atlantic States Marine Fisheries Commission (ASMFC)’s Committee on Economics and Social Sciences (CESS).

Chair-invited member, International Council for the Exploration of the Sea (ICES), Working Group on Economics (WGECON).

Member, Chesapeake Bay Program Sustainable Fisheries Goal Implementation Team (GIT).

Member (by invitation), Maryland DNR Chesapeake and Coastal Service’s Advisory Committee.

Member, Invasive Catfish Workgroup.

## REFEREE SERVICE

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*American Journal of Agricultural Economics, Economic Inquiry, Environmental and Resource Economics, Land Economics, International Economic Review, Journal of the Association of Environmental and Resource Economists, Journal of Environmental Economics and Management, Marine Resource Economics, North American Journal of Fisheries Management*

## REVIEW ACTIVITIES FOR AGENCIES

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Expert Panel Review of the Summer Flounder Allocation Study, Mid-Atlantic Fishery Management Council, Baltimore, November 2016 (by invitation).

Review of study “Economic Impact Analysis of Critical Habitat Designation for the Gulf of Maine, New York Bight, and Chesapeake Bay Distinct Population Segments of Atlantic Sturgeon (*Acipenser oxyrinchus oxyrinchus*)”, for NOAA Fisheries, January 2015 (by invitation).

Review of FY15 Marine Fisheries Initiative (MARFIN) proposals for NOAA-National Marine Fisheries Service, December 2014.

Expert Panel Review of the Scup Allocation Study, Mid-Atlantic Fishery Management Council, Baltimore, August 2013 (by invitation).

## OTHER INFORMATION

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Affiliations: American Economic Association (AEA), Association of Environmental and Resource Economists (AERE), Agricultural & Applied Economics Association (AAEA), International Institute for Fisheries Economics and Trade (IIFET).

Languages: English (fluent), Spanish (native), French (intermediate), German (elementary)

Citizenship: Chile, Germany, U.S. Permanent Resident