

CONTACT INFORMATION	1.970.219.5999 parthum.bryan@epa.gov bryanparthum.com Citizenship: USA	Mail Code 1809T 1200 Pennsylvania Avenue, N.W. Washington, DC 20460
POSITIONS	U.S. Environmental Protection Agency, Office of Policy Economist National Center for Environmental Economics, Washington D.C. Salisbury University Adjunct Professor Fulton School of Liberal Arts, Salisbury, MD	2020 - present Spring 2021
EDUCATION	Ph.D., Applied Economics University of Illinois at Urbana-Champaign, IL Dissertation: <i>Estimating Demand for Environmental Amenities, Now and Later</i> ACE Most Outstanding Dissertation Award, 2021 Committee: Amy Ando (chair), Klaus Moeltner, Ben Gramig, Peter Christensen M.S., Policy Economics University of Illinois at Urbana-Champaign, IL Thesis: <i>Divesting from the Golden State: A Case Study of Local Foods Systems Using Propensity Score Matching Within Panel Data</i> Advisor: Geoffrey Hewings B.S., Economics Colorado State University, Fort Collins, CO Thesis: <i>Co-integration of Industry to Estimate Business Cycles, Developing Employment and Revenue Projections for the State of Colorado</i> Advisors: Stephan Weiler and Harvey Cutler	2020 2015 2013
FIELDS	Primary Environmental and Resource Economics Applied Econometrics	Secondary Environmental Policy Climate Change
REFEREED JOURNAL PUBLICATIONS	<ol style="list-style-type: none"> 1. <i>A Market for Snow: Modeling Winter Recreation Patterns Under Current and Future Climate</i> with Peter Christensen. (forthcoming). Journal of Environmental Economics and Management. 2. <i>Overlooked Benefits of Nutrient Reductions in the Mississippi River Basin</i> with Amy W. Ando. 2020. Land Economics. 96:589-607; doi:10.3368/wp.le.96.4.589. 3. <i>Willingness-to-Volunteer and Stability of Preferences between Cities: Estimating the Benefits of Stormwater Management</i> with Amy W. Ando, Catalina Cadavid, and Noelwah R. Netusil. 2020. Journal of Environmental Economics and Management. 99. doi:10.1016/j.jeem.2019.102274. 4. <i>Benefits of the Fire Mitigation Ecosystem Service in The Great Dismal Swamp National Wildlife Refuge, Virginia, USA</i> with Emily Pindilli and Dianna Hogan. 2017. Journal of Environmental Management. 203: 375-82. doi:10.1016/j.jenvman.2017.08.018. 	

REGULATORY PUBLICATIONS	1. Phasing Down Production and Consumption of Hydrofluorocarbons 2021 Chapter 4: Benefits, The Social Cost of Hydrofluorocarbons; Chapter 6: Environmental Justice Analysis; Chapter 8: Uncertainty Surrounding the Social Costs of Hydrofluorocarbons
	2. Protection of Stratospheric Ozone: Standards Related to the Manufacture of Class II Ozone-Depleting Substances for Feedstock 2021 Chapter 4: Benefits, The Social Cost of Hydrofluorocarbons; Chapter 6: Environmental Justice Analysis
	3. The Social Cost of Carbon, Methane, and Nitrous Oxide 2021 Interim Estimates under Executive Order 13990
PAPERS IN PREPARATION	1. A Recreation Demand Model for Mountain Snowpack
	2. Heavy Rain Events, Toxic Sites, and Drinking Water Quality with Wes Austin and Siyu Pan
	3. Climate Benefits of Nutrient Management in Aquatic Ecosystems with Jake Beaulieu, Elizabeth Kopits, and Chris Moore
	4. Buying the Farm and the Distribution of Local and Cultural Benefits from Farmland Conservation with Amy W. Ando, Corey Lang, and Frederick Nyanzu
	5. The Social Costs of Hydrofluorocarbons and the Climate Benefits from their Phaseout with Tammy Tan
	6. Using Discrete Choice Experiments as a Tool for Teaching Consumer Theory: A Case Study in an Intermediate Microeconomics Course
FEDERAL COMMITTEES, WORKGROUPS	Interagency Working Group on Social Cost of Greenhouse Gases 2021-2022 Technical Working Groups: Damage Functions, Discounting, Socioeconomic and Emissions Scenarios, Climate Science
	Federal Efforts to Address Harmful Algal Blooms and Hypoxia 2020-2021 Government Accountability Office
RESEARCH POSITIONS	Big Data in Environmental Economics and Policy 2017-2020 Bridge economics with computer science University of Illinois at Urbana-Champaign, IL
	Cultural Divide in WTP: Rural-Urban Preferences 2016-2020 An Integrated assessment framework for water quality University of Illinois at Urbana-Champaign, IL
	Land Conservation on the Rural-Urban Fringe 2019-2020 Estimating the distributional impacts of land conservation University of Illinois at Urbana-Champaign, IL
	Dissecting the Energy Efficiency Gap in Home Weatherization 2016-2018 Randomized control trial, quasi-experimental, and machine learning University of Illinois at Urbana-Champaign, IL

TEACHING EXPERIENCE	Environmental Economics (ENVS 210)	SP21
	Salisbury University, MD <i>Online</i> : 40 students Undergraduate Credit: 3 Hours	
	Intermediate Microeconomics (ACE 398)	SP19 (TA), FA19
	University of Illinois at Urbana-Champaign, IL <i>Lecture</i> : 65 students Undergraduate Credit: 3 Hours Teaching Evaluation Scores: 4.9/5	
	Microcomputer Applications (ACE 161)	SP18, SU18, FA18
	University of Illinois at Urbana-Champaign, IL <i>Lecture</i> : 50 students, <i>Online</i> : 100 students Undergraduate Credit: 3 Hours Teaching Evaluation Scores: 4.8/5	
TEACHING CERTIFICATES AND AWARDS	List of Teachers Ranked as Excellent	FA19, SP19*, FA18 SU18, SP18*
	University of Illinois at Urbana-Champaign, IL Top-rated faculty and instructors; * indicates top 10%	
	Soaring with Online Learning	SP21
	Salisbury University, MD	
	ACES Teaching and Learning Academy Course	FA17
	University of Illinois at Urbana-Champaign, IL	
	Teacher's Scholar Certificate	FA19
	University of Illinois at Urbana-Champaign, IL Exploration of pedagogy from a discipline-based perspective	
	Graduate Teacher Certificate	FA19
	University of Illinois at Urbana-Champaign, IL Documented teaching experience, development, and reflective practice	
AWARDS	Most Outstanding Dissertation Award	2021
	Department of Agriculture and Consumer Economics	
	Louis V. Logeman Teaching Award	2020
	College of Ag., Consumer and Environmental Sciences	
	Most Outstanding Second Year Research Paper	2018
	Department of Agriculture and Consumer Economics	
	Outstanding Ph.D. Student	2018
	Department of Agriculture and Consumer Economics	
	Gamma Sigma Delta	2017
	Honor Society of Agriculture	
INVITED PRESENTATIONS	<i>U.S. Socioeconomic Impacts of Harmful Algal Blooms Workshop</i>	2020
	Woods Hole Oceanographic Institution , Washington, D.C. (virtual)	
	<i>Using Web-sourced Data to Estimate the Demand for Climate Amenities</i>	2019
	Camp Resources , Asheville, NC (invited presentation of learning tutorial)	
SELECTED PRESENTATIONS	<i>Preferences for Environmental Quality across the Rural-Urban Divide</i>	
	The Social Cost of Water Pollution and IAM Workshop , Ithaca, NY	2019
	Annual W4133: Multistate Research Project , Austin, TX	2018
	<i>You are Here: Bringing New Life, and Methods, to Stated Preference Research</i>	
	The Workshop on Enviro Economics and Data Science , Portland, OR	2019

	<i>The Price of Powder: Evidence on the Demand for Snow from Property Rentals</i> Annual W4133: Multistate Research Project, Santa Fe, NM 2019
	<i>Big Mountain Losses for Small Mountain Towns and the Ski Industry</i> Program in Environmental and Resource Economics, Urbana, IL 2018
	<i>Health Benefits of the Fire Mitigation Ecosystem Service</i> BioEcon 19th Annual, Tilburg, Netherlands 2017
SERVICE AND LEADERSHIP	Referee Journal of Environmental Economics and Management, American Journal of Agricultural Economics, Land Economics, Environmental and Resource Economics, Resource and Energy Economics, Regional Science and Urban Economics, Landscape and Urban Planning, Land Use Policy, Ecological Economics Department and Campus Student Sustainability Committee — Vice Chair 2018 - 2019 Land and Water Subcommittee — Chair 2017 - 2018 UIUC Campus Senate — Senator 2016 - 2018 Senate Executive Committee 2017 - 2018 Committee on Campus Operations 2016 - 2017 Program in Environmental Economics — Coordinator 2017 - 2018 Graduate Student Organization of ACE — Vice President 2016 - 2017 Graduate Academy for College Teaching — Instructor 2019 - 2020 Teaching Teachers how to Teach Community Outreach ACES Family Academies — Short Course July 2019 Economics: The Fun and Seldom Seen Kind
ADDITIONAL EXPERIENCE	Economist Department of the Interior, U.S. Geological Survey 2015 - 2020 Reston, VA Series: GS-0199-09 Supervisor: Emily Pindilli, 1.703.648.5732 Inform adaptive management decisions within the U.S. interior and abroad through interdisciplinary and inter-agency collaboration. Contribute to policy discussion and design. Project Coordinator The Global 2100 Project — Our Task, Inc. 2015 - 2017 Washington, DC Organize research and writing efforts across 25 researchers to develop a comprehensive analysis of global projections for climate, environment, population, agriculture, health, energy, education, conflict, and economic systems through the year 2100. Owner and Founder Parthum Construction 2005 - 2014 Laporte, CO Design and build custom homes and high-end residential remodels, manage large budgets (\$50k-\$1mil), supervise 2 employees and all sub-contractors.
REFERENCES	Amy W. Ando, Ph.D. Professor, Department of Agricultural and Consumer Economics University of Illinois at Urbana-Champaign, IL amyando@illinois.edu

Klaus Moeltner, Ph.D.

Professor, Department of Agricultural and Applied Economics
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Al McGartland, Ph.D.

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U.S. EPA National Center for Environmental Economics
Washington, DC
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PROGRAMMING

-  **R**,  **stata**,  **julia**,  **MATLAB**,  **python**,  **ArcGIS**, **L^AT_EX**,  **Office**

LANGUAGES

- English (native), American Sign Language (fluent)