

## Katherine Y. Zipp

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CONTACT INFORMATION	Department of Agricultural Economics, Sociology, and Education Pennsylvania State University 112-F Armsby University Park, PA 16802 <i>Office:</i> 814-863-8247 <i>E-mail:</i> kyz1@psu.edu <i>Web:</i> <a href="http://aese.psu.edu/directory/kyz1">http://aese.psu.edu/directory/kyz1</a>
	Last updated October 12, 2016
RESEARCH INTERESTS	Environmental and resource economics, land-use economics, spatial modeling, joint ecological-economic modeling and nonmarket valuation
EMPLOYMENT	Assistant Professor of Environmental and Resource Economics, Department of Agricultural Economics, Sociology, and Education, Pennsylvania State University (July, 2014 - present)
EDUCATION	<b>Ph.D. – University of Wisconsin</b> , Madison, Wisconsin (August 2014) Agricultural and Applied Economics <ul style="list-style-type: none"><li>• Dissertation Topic: “Spatial analysis of feedback mechanisms between environmental policies, ecosystems and behavior”</li><li>• Committee: Dr. Bill Provencher (chair), Dr. David Lewis, Dr. Corbett Grainger, Dr. Dan Phaneuf, and Dr. Jake Vander Zanden</li></ul> <b>BA – Oberlin College</b> , Oberlin, Ohio (May 2008) Majors: Environmental Studies and Economics <ul style="list-style-type: none"><li>• High Honors in Environmental Studies</li></ul>
TEACHING EXPERIENCE	<b>Undergraduate (Community, Environment, and Development Major, CED)</b> CED 309: Land Use Dynamics CED 429: Natural Resource Economics <b>Graduate (Agricultural, Environmental, and Regional Economics, AEREC)</b> AEREC 541: Resource and Environmental Economics II
REFEREED ACADEMIC JOURNAL ARTICLES	Zipp, K.Y., D. J. Lewis, B. Provencher (2017) “Does the conservation of land reduce development? An econometric-based landscape simulation with land market feedbacks” <i>Journal of Environmental Economics and Management</i> 81: 19-37 Shortle, J., D. Abler, Z. Kaufman, and K.Y. Zipp (2016) “Simple vs. Complex: Implications of Lags in Pollution Delivery for Efficient Load Allocation and Design of Water-quality Trading Programs” <i>Agricultural and Resource Economics Review</i> 45(2):367393.
WORKING PAPERS/UNDER REVIEW	An Empirical Investigation of the Spatial Dynamics of the Economic Cost of an Aquatic Invasive Species (with David Lewis and Bill Provencher) ( <i>working paper</i> )
GRANTS RECEIVED	PI “PSUs Role in the Techno-Market Analysis of U.S. Biorefinery Supply Chains from Feedstock to Alternative Jet Fuels. Federal Aviation Administration Center of Excellence for Alternative Jet Fuels, ASCENT. 8/1/2016 - 7/31/2017 \$200,000

Co-PI “Firescapes in the mid-Atlantic: Mismatches between social perceptions and prescribed fire use.” Joint Fire Sciences Program. 08/01/2016 - 07/31/2019 \$327,726

Co-PI “Flood Mitigation for Pennsylvania’s Rural Communities: Community-Scale Impact of Federal Policies.” Center for Rural Pennsylvania. 1/20/2016 - 1/20/2017 \$50,000

PI “PSUs Role in the Techno-Market Analysis of U.S. Biorefinery Supply Chains from Feedstock to Alternative Jet Fuels. Federal Aviation Administration Center of Excellence for Alternative Jet Fuels, ASCENT. 8/1/2015 - 7/31/2016 \$80,000

Co-PI “Pennsylvania Natural Resources Leadership Program Pilot Project AESE Strategic Initiatives Funding 1/1/2015 - 6/30/2015 \$5,850

PENDING GRANT PROPOSALS

Co-PI “Flexible Buffer Systems: Enhancing Ecosystem Services and Expanding Agricultural Options in Riparian Areas” USDA Agricultural and Food Research Initiative Foundational Program 1/1/2017 - 12/31/2019 \$500,000

CONFERENCE PRESENTATIONS

Penn State Water Resources Extension webinar, 2016 Presentation: An Economic Assessment of Land-Use Changes between Food and Bioenergy Crops on Marginal Land (presented by Wei Jiang)

NewBio All-Hands Meeting, 2016 Presentation: An Economic Assessment of Land-Use Changes between Food and Bioenergy Crops on Marginal Land (presented by Wei Jiang)

Penn State Energy Days, 2016 Poster: An Economic Assessment of Land-Use Changes between Food and Bioenergy Crops on Marginal Land (presented by Wei Jiang)

Meeting of the International Society of Forest Resource Economists, 2016 Presentation: An Economic Assessment of Land-Use Changes between Food and Bioenergy Crops on Marginal Land (presented by Wei Jiang)

Penn State Energy and Environmental Economics and Policy Seminar, 2016 Presentation: An Economic Assessment of Land-Use Changes between Food and Bioenergy Crops on Marginal Land (presented by Wei Jiang)

AAEA Annual Meeting, 2016 Selected Paper: Valuing complementarity between environmental goods and housing attributes with the benefit function: An application to flood hazards (presented by Yau-Huo Shr)

NAREA Annual Meeting & Workshop, 2016 Selected Paper: Valuing complementarity between environmental goods and housing attributes with the benefit function: An application to flood hazards (presented by Yau-Huo Shr)

NAREA & CAES Joint Annual Meeting & Workshop, 2015 Selected Paper: Social-Ecological Dynamics of Aquatic Species Invasions on a Lake-Rich Landscape

NAREA & CAES Joint Annual Meeting & Workshop, 2015 Economics of Water Quality Workshop Program: Lags in Pollution Delivery: Implications for the Design of Water Quality Trading Programs

AERE Summer Conference in San Diego, CA, 2015 Selected Presentation: Social-

Ecological Dynamics of Aquatic Species Invasions on a Lake-Rich Landscape

Occasional California Workshop in Environmental and Resource Economics, 2013 Selected paper: Social-Ecological Dynamics of Aquatic Species Invasions on a Lake-Rich Landscape

AAEA Annual Meetings in Seattle, WA, 2012 Selected Presentation: Using the benefit function to value non-market goods: An application to open-space conservation

AAEA Annual Meetings in Seattle, WA, 2012 Selected Presentation: The effects of open-space conservation on ecosystems: An application of a joint ecological-economic model

AERE Summer Conference in Asheville, NC, 2012 Selected Presentation: Using the benefit function to value non-market goods: An application to open-space conservation

AERE Summer Conference in Asheville, NC, 2012 Selected Presentation: The effects of open-space conservation on ecosystems: An application of a joint ecological-economic model

Heartland Environmental and Resource Economics Workshop at Illinois in Urbana, Champaign, IL, 2011, Long Presentation: Does open space conservation increase neighboring development?

CENREP Camp Resources XVIII in Wrightsville Beach, NC, 2011, Research Sketch: Does open space conservation increase neighboring development?

AERE Summer Conference in Seattle, WA, 2011, Selected Presentation: Does open space conservation increase neighboring development?

AAEA Annual Meetings in Pittsburgh, PA, 2011, Selected Poster Tour: Modeling the effects of open space on private land

AAEA Annual Meetings in Pittsburgh, PA, 2011, Selected Poster: Market power and/or cost-efficiencies in ITQ fisheries? (with R.L.O. Cleary and C. Grainger)

UNIVERSITY  
SERVICE

Member of the Search Committee to hire a Director and Chief Sustainability Officer for the Sustainability Institute (2016)  
Invited member of the Penn State Sustainability Institute Task Force (2015)  
Member of the Search Committee to hire an Assistant Professor of Rural Sociology (2015)  
ME John Award Committee member (2015)  
CED Undergraduate Committee member (2014-15)

EXTERNAL  
SERVICE

Reviewed for *Ecological Economics*  
Reviewed for *Journal of Rural Studies*  
Reviewed Selected Presentations for the Agricultural and Applied Economics Association (AAEA) annual meeting 2015

HONORS AND  
AWARDS

Nominated Participant, 4th Meeting of the Nobel Laureates in Economics, Lindau, Germany, August 2011

AFFILIATIONS

Agricultural and Applied Economics Association (AAEA)  
Association of Environmental and Resource Economists (AERE)  
Northeastern Agricultural and Resource Economics Association (NAREA)

Allied Social Sciences Association (ASSA)  
Career Advancement and Mentorship (CAM) Program mentee in NAREA, 2015  
CeMENT Mentoring mentee in the American Economic Association's Committee on  
the Status of Women in the Economics Profession (CSWEP), 2016