

Anna A. Klis

Curriculum Vitae

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Department of Economics
Northern Illinois University
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EDUCATION

- Ph.D. Department of Economics, University of Texas at Austin, 2015
- M.S. Department of Economics, University of Texas at Austin, 2012
- B.S.F.S. International Economics, *Magna Cum Laude*, Edmund A. Walsh School of Foreign Service, Georgetown University, 2010

EMPLOYMENT

- 2022- Associate Professor, Department of Economics, Northern Illinois University
2015-2022 Assistant Professor, Department of Economics, Northern Illinois University

PUBLICATIONS

Refereed Journal Articles

- in press Inequality and Superfund Sites: Using Backwards Design, Cooperative Learning, and Data Integration in Introductory Environmental Economics. (2023). *The Journal of Economic Education*, 54 (4).
- 2022 Solatyavari, L., **Klis, AA.**, Groves, J., Superfund cleanup time and community characteristics: A survival analysis. *Journal of Environmental Management*, 320: 115705 (October), <https://doi.org/10.1016/j.jenvman.2022.115705>.
- 2022 **Klis, AA.**, McGinty M., Global Climate Fund: Using a Harmonized Carbon Tax to Finance Treaty Transfers. *The B.E. Journal of Economic Analysis & Policy*, 22 (2): 269-280, <https://doi.org/10.1515/bejeap-2021-0072>.
- 2021 Melstrom, RT., **Klis, AA.**, Estimating dynamic adjustment in commercial fisheries. *Land Economics*, 97(3): 562-576, <https://doi.org/10.3368/wple.97.3.072519->

0103R1

- 2020 **Klis, AA.**, Melstrom, RT., Strategic behavior and dynamic externalities in commercial fisheries. *Ecological Economics*, 169: 106503 (March), <https://doi.org/10.1016/j.ecolecon.2019.106503>.
- 2019 Identity and Equal Treatment in Negative Externality Agreements. *International Environmental Agreements: Politics, Law, and Economics*, 19(6): 615-630, <https://doi.org/10.1007/s10784-019-09456-5>.
- 2019 On the Openness of Unique Nash Equilibrium. *The B.E. Journal of Theoretical Economics*, 19(1): 20170065, <https://doi.org/10.1515/bejte-2017-0065>.

Manuscripts in Submission

Ekpe, G., **Klis, AA.**, Spillover effects in irrigated agriculture from the groundwater commons. (third round review) *Environmental and Resource Economics*

Manuscripts in Preparation

Penn, J., Hu, W., Vassalos, M., **Klis, AA.**, Real Choice Experiments Can Generate Consistent Results Regardless of the Number of Choice Sets: Theory and Evidence.

When is Bad ‘Bad Enough’? A Framework for Analyzing Benefits of Coordination under Environmental Externalities.

Klis, AA., McGinty, M., Biodiversity and Systems Externalities: A Trophic Level Approach to Conservation, Degradation, and Coordination.

Web-based Publications

- 2022 Game Theory and Environmental Agreements: Getting Started with Coalition Models. *EBSCO Pathways to Research in Sustainability* (Refereed), inaugural edition SUS027, [s. l.], p. 1–18. <https://www.pathways2research.com/pts/Game%20Theory%20and%20Environmental%20Agreements%3A%20Getting%20Started%20with%20Coalition%20Models>.

Research in Progress

Lenczewski, ME., **Klis, AA.**, Singh, P., Skuzinkski, T., Yuan, S., Emerging Contaminants and Intergovernmental Relationships (NSF Convergence Accelerator Phase 1 Grant Proposal, co-PI).

Klis, AA., Stinchcombe, MB., Voluntary Information Sharing.

Klis, AA., Brown, M., Hotelling Model for Wastewater Injection Management.

Klis, AA., Solatyavari, L., Alternative Dispute Resolution (ADR) and Superfund Cleanup Time.

Klis, AA., Jackson Young, L., Szymanski, D., Iverson, E., Wilson, R., Lenczewski, M., Mooney, C., Oches, R., Ritter, J., A Transdisciplinary Approach to Undergraduate Sustainability Education: Resource Economics by Way of Business and Science.

AWARDS, HONORS & FELLOWSHIPS

- 2022 UT Austin Research Affiliate (Sabbatical Fellow, fall semester)
- 2016 NIU PI Academy External Mentorship Program
- 2014 UT Douglas C. Dacy, Ph.D. Endowed Fellowship in Economics
- 2014 UT Graduate School Professional Development Award
- 2013 UT David Bruton, Jr. Graduate School Fellow
- 2010 Fulbright Scholar (declined in favor of entering Ph.D.)

GRANTS

- 2021 Commitment Structures in Environmental Treaties: Does Size Lead to Success? NIU Division of Research and Innovation Partnerships, 2021 Research and Artistry Competition, \$9,954.00.
- 2018 Lenczewski, M. (Principal), Mooney C. (Co-Principal), **Klis, AA.** (Sr. Personnel), et al., Collaborative Research: Broadening the Fusion of STEM and Business Curricula in Undergraduate Sustainability Education. NSF Improving Undergraduate STEM Education, \$593,406.

INVITED TALKS

- 2023 Real Choice Experiments Can Generate Consistent Results Regardless of the Number of Choice Sets: Theory and Evidence, Texas Tech University Department of Economics Seminar Series (virtual), April 19.
- 2021 Making a Difference Using Environmental Economics, panelist w/ Lea-Rachel Kosnik and Sarah Johnston, Federal Reserve Bank of St. Louis 2021 Women in

- Economics Symposium (virtual), February 17.
- 2020 Externalities, Information, and Fish, Western Illinois University Department of Economics Graduate Seminar Series (Macomb, IL), March 6.
- 2018 When is Bad ‘Bad Enough’? A Framework For Analyzing the Impact of Externality Severity on Equilibrium Divergence, University of Wisconsin at Milwaukee Department of Economics Graduate Seminar Series (Milwaukee, WI), October 26.
- 2015 Minimum Participation Clauses and Exclusion in Public Good Agreements, Northern Illinois University Economics Department Graduate Colloquium, (DeKalb, IL), January 21.

CONFERENCE ACTIVITY

Panels & Sessions Organized

- 2023 Good Dirt: What Goes into an Environmental Economics Course, organizer and panelist, w/ Allen Bellas, Debra Israel, Erik Johnson, and Kyle Montanio. 87th Annual Meeting of the Midwest Economics Association (MEAs), AERE session (Cleveland, OH), March 31-April 2.
- 2017 Public and Private Responses to Environmental Risks, session organizer, presenter, and discussant, w/ Lala Ma, Tamara L. Sheldon, Laura Bakkensen, and Katherine Y. Zipp. 81st MEAs (Cincinnati, OH), March 31-April 2.

Papers Presented

- 2023 Biodiversity and Systems Externalities: A Trophic Level Approach to Conservation, Degradation, and Coordination, Association of Environmental and Resource Economists (AERE) Summer Conference (Portland, ME), May 31-June 2.
- 2022 Real Choice Experiments Can Generate Consistent Results Regardless of the Number of Choice Sets: Theory and Evidence, 51st Annual Meeting of the Illinois Economics Association (IEAs) (Chicago, IL), November 4-5.
- 2022 A Transdisciplinary Approach to Undergraduate Sustainability Education: Resource Economics by Way of Business and Science, Eleventh Annual AEA Conference on Teaching and Research in Economic Education (CTREE) (Chicago, IL), June 1-3.
- 2022 Inequality and Superfund Sites: Using Backwards Design, Cooperative Learning, and Data Integration in Introductory Environmental Economics, CTREE

(Chicago, IL), June 1-3.

- 2022 Inequality and Superfund Sites: Using Backwards Design, Cooperative Learning, and Data Integration in Introductory Environmental Economics, AEA/ASSA Annual Meeting (virtual), January 7-9.
- 2021 Fish, Dynamic Externalities, and Information, Sixth World Congress of the Game Theory Society (GAMES) (Budapest, Hungary), July 19-23.
- 2021 Biodiversity and Systems Externalities: A Trophic Level Approach to Conservation, Degradation, and Coordination, 85th Annual MEAs, AERE Session (virtual), March 22-26.
- 2020 Fish, Dynamic Externalities, and Information, Sixth World Congress of the Game Theory Society (GAMES) (Budapest, Hungary), July (postponed).
- 2020 Biodiversity and Systems Externalities in International Environmental Agreements, Environmental Protection & Sustainability Forum (Graz, Austria), April 2020 (canceled).
- 2020 Biodiversity and Systems Externalities in International Environmental Agreements, 84th Annual MEAs, AERE session (Evanston, IL), March (canceled).
- 2019 Complementarity and Substitutability in Environmental Agreements: The Case of Adaptation, 83rd Annual MEAs, AERE session (St. Louis, MO), March 15-17.
- 2018 Water Table Management & Greener Crop Growth, 19th International Conference of the Association for Public Economic Theory (PET) (Hue, Vietnam), June 6-8.
- 2018 Water Table Management & Greener Crop Growth, 82nd Annual MEAs, AERE session (Evanston, IL), March 23-25.
- 2017 Rice or Potatoes: Which Starch has Greener Growth?, 47th IEAs (Chicago, IL), October 13-14.
- 2017 When is Bad ‘Bad Enough’? A Framework for Analyzing Benefits of Coordination under Environmental Externalities, 18th PET (Paris, France), July 8-14.
- 2017 Information and Resource Harvest Strategies, Western Economic Association International (WEAI) 92nd Annual Conference, AERE session (San Diego, CA), June 25-29.

- 2017 When is Bad ‘Bad Enough’? A Framework for Analyzing Benefits of Coordination. AEA/ASSA 2017, poster session (Chicago, IL), January 6-8.
- 2016 Equal Treatment and Minimum Participation in Negative Externality Agreements, 46th IEAs (Chicago, IL), October 14-15.
- 2016 When is Bad ‘Bad Enough’? A Framework for Analyzing Benefits of Coordination, Fifth GAMES (Maastricht, The Netherlands), poster session, July 24-28.
- 2016 When is Bad ‘Bad Enough’? A Framework for Analyzing Benefits of Coordination, 28th European Conference on Operational Research (Poznań, Poland), July 3-6.
- 2015 When is Bad ‘Bad Enough’? A Framework for Analyzing Benefits of Coordination, 45th IEAs (Chicago, IL), October 16-17.
- 2014 Minimum Participation Clauses as Exclusion Mechanisms in Public Good Agreements, Texas Economic Theory Camp (Dallas, TX), November 1-2.
- 2014 Minimum Participation Clauses as Exclusion Mechanisms in Public Good Agreements, 25th International Conference on Game Theory (Stony Brook, NY), July 7-11.

Discussant

- 2023 Chen, T., Karney, DH., Environmental Policy in General Equilibrium under Market Power and Price Discrimination. 87th Annual Meeting of the Midwest Economics Association (MEAs, Cleveland), March 31-April 1.
- 2022 Burke, S., Robak, P., Stumph, CF., The Race for Increased Student Engagement: Gamification, Introductory Macroeconomics and the Amazing Race. CTREE (Chicago, IL), June 1-3.
- 2021 Sheldon, T., Miro, M., Alvaraz, S., Understanding and Valuing Flood Risk and Mitigation in Gulf Coast States. Annual Meeting of the Southern Economics Association (SEAs) (Houston, TX), November 20-22.
- 2021 Marcus, M., A Watershed Moment: The Clean Water Act and Infant Health. 85th Annual MEAs, AERE Session (virtual), March 22-26.
- 2020 Intriago, LA., Carbon Taxation, Green Jobs, and Sectoral Human Capital. 84th Annual MEAs, AERE session (Evanston, IL), March (canceled).

- 2019 Kurkalova, L., Economics of Double Cropping in North Carolina. 83rd Annual MEAs, AERE session (St. Louis, MO), March 15-17.
- 2018 Shrader, J., Expectations and adaptation to environmental risks. 82nd Annual MEAs, AERE session (Evanston, IL), March 23-25.
- 2017 Armah, S., Abraham, S., Is Ghana's Graduate Higher Education System Delivering Value to Students? IEAs Illinois 47th IEAs (Chicago, IL), October 13-14.
- 2017 Singh, R., Weninger, Q., Quota Flexibility in Multi-Species Fisheries. WEAI 92nd Annual Conference, AERE session (San Diego, CA), June 25-29.
- 2017 Doremus, J., Eco-Label Competition in Central Africa's Forests: Drivers of Participation and Implications. WEAI 92nd Annual Conference, AERE session (San Diego, CA), June 25-29.
- 2016 Jiao, Y., The Impact of the Earned Income Tax Credit and Welfare Reform on Work Entry and Exit. 46th IEAs (Chicago, IL), October 14-15.
- 2015 Lee, FX., Investment in Concealable Information by Biased Experts. 45th IEAs (Chicago, IL), October 16-17.

CAMPUS & DEPARTMENTAL TALKS

- 2021 NIU Packback Workshop: Engaging Discussion for your Courses, Packback (virtual), May 12.
- 2020 Spatial Competition in Wastewater Disposal & Injection Perimeters to Reduce Seismicity, NIU Economics Department Graduate Colloquium (virtual), November 18.
- 2020 NIU Professors Discuss the Effects of COVID-19 on the National Economy, YouTube Panelist, NIU Department of Economics (virtual), April 10.
- 2019 Information and Resource Harvest Strategies: A Primer on Game Theory in Environmental Economics, NIU Math Department Colloquium, November 7.
- 2017 STEM to STEAM to STEAMPunk: Counterfactuals in Economics, NIU STEM-Fest, October 21.
- 2017 The Economics of Global Climate Change, keynote organizer and speaker, w/ Nathan Stansell and Paul Stroik, NIU Department of Economics ECONference,

April 26.

- 2017 Green Starches, talk and interactive exercise, Southeast Asia Youth Leadership Program, April 14.
- 2016 When is Bad ‘Bad Enough’? A Framework For Analyzing the Impact of Externality Severity on Equilibrium Divergence, NIU Economics Department Graduate Colloquium, April 6.
- 2015 Speak Your Mind: What are among the most pressing environmental issues of our times?, YouTube panelist, NIU Media & Public Relations (virtual), October 15.

TEACHING EXPERIENCE

Graduate

Mathematical Methods for Economists	F23, F21, F20, F19, F18, F17, F16, F15
Microeconomic Analysis I	S23, S22, S21, S20, F18, F17, F16, F15
Public Economics I	S23, F20, S18, S16
Advanced Topics in Environmental Economics	F23
Research Tools for Economists (L ^A T _E X)	F23, F21, F20, F19 instructor of record

Undergraduate

Game Theory	S22, S19, S17
Introduction to Environmental Economics	F21, S21, S20, S19
Macroeconomic Principles	UT-Austin F13 instructor of record

Direction of Theses & Dissertations

PhD Supervisor or Co-Supervisor

- 2021 Godwin Kwabla Ekpe, “Pumping Fees and Spillovers in the Groundwater Commons: An Evaluation of a Conservation Tool and Irrigator Competitive Behavior.”

Master’s Thesis Supervisor

- 2021 Wiktor Staszak, “Impact of Aquaculture on Salmon Fishing.”

PhD Committee Member

- 2024 Kristin Vrona, “Moderate to Severe Diagnosed Mental Disorders and Absenteeism.”
- 2019 Leili Solatyavari, “Factors Affecting Superfund Hazardous Waste Site Cleanups.”

2018 Chigozie (Andy) Ngwaba, “Three Essays on Public Economics in Developing Countries.”

SERVICE TO PROFESSION

Editing, Refereeing & Grant Review

Editor, *Agricultural & Resource Economics Review*, 2023-present
Associate Editor, *Carroll Round Proceedings*, vol. 12, 2017

Journal Referee

Environmental and Resource Economics

Resource & Energy Economics

International Environmental Agreements: Politics, Law, and Economics

Agricultural & Resource Economics Review

Journal of Environmental Management

ICES Journal of Marine Science

Journal of Economic Education

Textbook Reviewer, Princeton University Press

Grant Reviewer, Narodowe Centrum Nauki (National Science Center, Poland), 2020

Session Chair & Competition Evaluator

Annual Meeting of the Midwest Economics Association (MEAs)

Session Chair, 2023, 2022, 2021 (virtual), 2020 (canceled)

Carroll Round Conference for Undergraduate Research in International Economics, Georgetown University

Session Chair, 2023, 2017, 2016

Kaneda Prize Alumni Judge, 2023, 2019, 2018, 2017, 2016, 2014

Annual Meeting of the Illinois Economic Association (IEAs)

Session Chair, 2022

Graduate Paper Competition Faculty Judge, 2017, 2016, 2015

Annual Meeting of the Southern Economics Association (SEAs), Presidential Session Co-Chair, 2021

Alumni Involvement

University of Texas at Austin, Department of Economics PhD Advisory Committee, 2022-present

Georgetown University Class Ambassador, 2015-2020

Georgetown University Alumni Club of Austin, Vice President, 2013-2015

Georgetown University Alumni Interviewer, 2010-2019

DEPARTMENTAL & UNIVERSITY SERVICE

Northern Illinois University

Graduate Council, elected, 2023-present

Fencing Club Adviser, 2018-2021

Attendee/Evaluator of Alliance for the Arts in Research Universities' 4th Annual National Conference artsRx (Denver, CO), Special request from Vice President for Research and Innovation Partnerships, November 2016

Junior Faculty Lunch Coordinator, 2016-2017

Department of Economics

Microeconomics Field Committee, appointed, AY15-present

Graduate Colloquium Coordinator, appointed, AY16-AY18, S2023-present

Library Liaison, appointed AY15-AY17, S2023

Executive Committee Alternate, AY18, AY21

Graduate Committee, AY21

Economics Super-Executive Committee, AY19-AY20

ADVANCEMENT & DEVELOPMENT

NIU Faculty Academy on Cultural Competence and Equity (FACCE) Participant, 2022-2023

Professional Development for Emerging Education Researchers (PEER), Chicago Field School, Day 1 (pulled out due to COVID exposure, on list for future school), December 2022

Northeastern Agricultural and Resource Economics Association (NAREA) Scholar Circle Member, 2022

Association of College and University Educators (ACUE) Certificate in Inclusive Instruction for Equitable Learning, 2022

American Economic Association (AEA) Expanding Diversity in Undergraduate Classes with Advancements in the Teaching of Economics (EDUCATE) Workshop, Inaugural Cohort, 2021

AEA Committee on the Status of Women in the Economics Profession CeMENT Mentoring Workshop for Junior Female Faculty, January 2016

AEA Continuing Education Program, Time-Series Econometrics, January 2015

COMMUNITY OUTREACH

2017 Cowspiracy, panelist w/ Mylan Engel, Jason Hanna, and Dennis Barsema. Green Lens Environmental Film Series (DeKalb, IL), September 21.

RELATED PROFESSIONAL SKILLS

Matlab

Wolfram Mathematica

L^AT_EX

LANGUAGES

English, native

Polish, native

Spanish, reading excellent, speaking good

French, can read with dictionary

AFFILIATIONS & PROFESSIONAL MEMBERSHIPS

NIU Institute for the Study of the Environment, Energy, and Sustainability, 2015-present

Northern Illinois Center for Community Sustainability, 2018-present

NIU School of Public and Global Affairs, 2015-present

Association of Environmental and Resource Economists, 2017-present

Northeastern Agricultural and Resource Economics Association, 2022-present

International Game Theory Society, 2016-present

American Economic Association, 2014-present

Midwest Economics Association, 2017-present

Illinois Economic Association, 2015-present