

NICHOLAS P. GUEHLSTORF, PH. D

Curriculum Vitae

Department of Environmental Sciences and Department Political Science

Southern Illinois University Edwardsville

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EDUCATION

Purdue University, Doctorate of Philosophy, Political Science, May 2002.

Catholic University of America, Master of Arts, Politics, December 1995.

Marquette University, Bachelor of Arts, Political Science and Philosophy, May 1993.

ACADEMIC POSTION

Professor Department of Environmental Sciences Southern Illinois University Edwardsville (SIUE), Illinois, 2016 promotion and Chair 2018-2024. Professor of Political Science Department, 2016 promotion and Chair 2023-2024.

BOOKS

Environmental Policy Science's Exploration for Innovative Data, Switzerland: Springer Nature, 2025.

Ecosystems, Society and Health: Pathways Through Diversity, Convergence and Complexity. Montreal: McGill University Press, 2015. With Editors Lars Hallstrom and Margot Parkes.

The Political Theories of Risk Analysis. Dordrecht: Springer, 2004.

JOURNAL ARTICLES AND PEER REVIEWED PUBLICATIONS

“Challenges and Opportunities for Social Scientists Working on Environmental Policy Today” in *Environmental Policy Science's Exploration for Innovative Data*, Switzerland: Springer Nature, 2025.

“Exploring the Limitations of Traditional Public Policy Analysis and the Potential of Big Data: A Case Study of Social Media Discourse on the Renewable Fuel Standard” in *Environmental Policy Science's Exploration for Innovative Data*, Switzerland: Springer Nature, 2025 with Courtney Breckenridge.

“Policy Evaluations of the Renewable Fuel Standard and Agricultural Land Use Changes in Three Midwestern States for a Decade: Variables that Influence Significant Changes in Crop Decisions are not all About Ethanol,” *Biofuels* (2023), DOI: [10.1080/17597269.2023.2184940](https://doi.org/10.1080/17597269.2023.2184940) with Krista Russell.

“Assessing the Variances of Citizen Stakeholder Justice in Watershed Governance: Is Action More Effective with Reactive or Proactive Administrations.” *Water* 2022, 14(6), 878; <https://doi.org/10.3390/w14060878>. With Hayden King.

"Brownfields in Purple States: An Analysis of the Equity of Redevelopment Outcomes Under the Brownfield Program and Voluntary Cleanup Programs in Colorado and Ohio." *Public Works Management & Policy*. 2019 24(2): 1087724X18767157. With Kelsey Tharp.

"Threats to Wetlands without Federal Protections: State Reactions to Conserving Seasonal Wetlands along the Mississippi River." *Conservation and Society*. 2018. 17:1, 73-83. With Adriana Martinez.

“The Social and Environmental Outcomes of Market Based Wetland Regulations” in *Ecosystems, Society and Health: Pathways Through Diversity, Convergence and Complexity*. 2015 Montreal, QB: McGill University Press. With Traci Lichtenberg.

“Convergence and Diversity: Integrating Encounters with Health, Ecological, and Social Concerns” In *Ecosystems, Society and Health: Pathways Through Diversity, Convergence and Complexity*. 2015). Montreal, QB: McGill University Press. With Lars K. Hallstrom and Margot W. Parkes.

“Participatory Watershed Management: A Case Study from Maritime Canada” *Journal of Environmental Practice*. 2012. 14:2, 143-153, With Lars K. Hallstrom.

“Understanding the Scope of Farmer Perceptions of Risk: Considering Farmer Opinions on the Use of Genetically Modified (GM) Crops as a Stakeholder Voice in Policy” *Journal of Agriculture and Environmental Ethics*. 2008. 21:6, 541-558.

“The ABCs of ‘The Simpsons’ and Politics: Apathy of Citizens, Basic Government Leaders, and Collective Interests,” In Morris, Jonathan S., and Jody Baumgartner (ed). *Laughing Matters: Humor and American Politics in the Media Age*. 2007. New York: Routledge. With Jonathan S. Morris and Lars K. Hallstrom.

“The Role of Culture in Risk Regulations: A Comparative Study of Genetically Modified Corn in the United States of America and European Union.” 2005. *Environmental Science and Policy* 8:4, 327-342, With Lars K. Hallstrom.

INVITED ACADEMIC PUBLICATIONS

Book Review, William Buzbee. *Fighting Westway* 2014. Portland: Hart Publishing. *Law and Politics Journal*, American Political Science Association.

“Comparative Perspectives on Mitigation Banking and Watershed Management: Illinois and Missouri, Nova Scotia and Alberta” with Lars Hallstrom. Occasional Paper. *Alberta Institute for American Studies*. April 2013, 1-19.

“The Search for Sustainable Communities and Sustainable Commerce” in *St. Louis Currents*, St. Louis: Reedy Press, Andrew Theising and Mark Abbott, Editors. 2009.

Book Review, Haghighi, Sanam S. *Energy Security: The External Legal Relations of the European Union with Major Oil and Gas Supplying Countries*. 2007. Portland: Hart Publishing. *Law and Politics Journal*, American Political Science Association, 2008.

Forward, DeGarmo, Denise. *The Disposal of Radioactive Wastes in the Metropolitan St. Louis Area: The Environmental and Health Legacy of the Mallinckrodt Chemical Works*. 2006. New York: Mellen Press.

SELECTED CONFERENCE PRESENTATIONS

“A Geopolitical Content Analysis of Social Media Discourse and Political Dynamics to explain the Policy Shifts of the Renewable Fuel Standard” with graduate student Courtney Breckenridge on the Protecting the Environment or Industry? The Consequences of Politics Panel at the Western Political Science Association Conference in Vancouver, British Columbia, Canada March 29, 2024.

“California's Prop 65: Government Overreach, Bureaucratic Nonsense or a Model for Effective Chemical Regulation?” with Arta Cavazos on the U.S. Environmental Policy Making panel at the Midwest Political Science Association Conference in Chicago, Illinois, April 13, 2023.

“Multiple Streams Framework and Social Media: An Analysis of Policy Actor Tweets on the U.S. Renewable Fuel Standard” with graduate student Courtney Breckenridge on the What’s Said Matters: Content in Social Media and Beyond panel at the Midwest Political Science Association Conference in Chicago, Illinois, April 15, 2023.

“Industrial Farming is Threatening the Security of Freshwater: Examining the Costly Effects of Nutrient Runoff as Rural Communities are Unwilling to Pay for Surface and Drinking Water Treatments” with student Emma MacNeill on the Food Politics and Policies Panel at the Midwest Political Science Association Conference in Chicago, Illinois, April 7, 2022

“A Policy Legitimization for a New Water Rule: A Contextualization of the Unregulated Effects of Industrial Farming, Nutrient Runoff and Costly Surface and Drinking Water Treatments” with student Emma MacNeill on the Regional Cooperation in Governance Panel at the Western Political Science Association Conference in Portland, Oregon, March 12, 2022.

"Assessing the Effects of Decreasing Particulate Matter Concentrations Over time on Population Health in an Industrial Midwest City" with graduate student Albert Wang on the Environmental Sciences Panel of the Illinois State Academy of Conference Virtual Presentation on April 09, 2021.

"Renewable Fuels and Agricultural Land Use: Questioning the Corn-Ethanol Causation" with graduate students Krista Russell and Courtney Breckenridge at the Southern Political Science Association Annual Conference in San Juan, Puerto Rico on January 09, 2020.

"Assessing the Variances of Citizen Stakeholder Efficiencies in Watershed Governance Between Reactive and Proactive Administrations" with graduate student Hayden King on the Water Governance Panel at the Annual Western Political Science Association Conference in San Diego, California, April 19, 2019.

"Questioning the Effectiveness of Reducing Farm Runoff with State Sponsored Voluntary Market-Based Inducements with graduate student Kevin Letterly on the State Environmental Public Policy Panel at the Annual Midwest Political Science Association Conference in Chicago, Illinois, April 18, 2018.

"A Case Study of Urban Sprawl and Community Capacity: Water for Waukesha, Wisconsin" with graduate student Molly McCreedy presented on the Urban Growth and Development in the Twenty First Century" at Southern Political Science Association Annual Conference in New Orleans, Louisiana, January 13, 2017.

"Scrutinizing Urban Revitalization Statutes in Two Swing States: A Statistical Model for the Analysis of Brownfield Justice" with graduate student Kelsey Tharp on the Environmental Justice and Diverse Communities Panel at the Annual Midwest Political Science Association Conference in Chicago, Illinois, April 10, 2016.

"Threats to Wetlands without Federal Protections: State Reactions to Conserving Seasonal Wetlands along the Mississippi River" with Adriana E. Martinez on the Water Governance Panel at the Annual Midwest Political Science Association Conference in Chicago, Illinois, April 17, 2015.

"A Cumulative Analysis of Environmental Injustice: Incorporating Community Structure in a Regional Urban Network" with graduate student Vincent Giammaria on the Environmental Justice as Social Justice Panel at the Annual Meeting of the Western Political Science Association in Seattle, Washington, April 17, 2014.

"A Local and Cumulative Analysis of Environmental Injustice" with Andy Theising on the Environmental Justice and Policy Panel at the Annual Midwest Political Science Association Conference in Chicago, Illinois, April 12, 2013.

“Identifying the Limiting Factors to State Wetland Programs” with graduate student Brittany Poletti on the Water Politics Panel at the Annual Meeting of the Western Political Science Association in Portland, Oregon, March 22, 2012.

“Contrasting Mid-Western United States Wetland Policy with Western Canadian Watershed Governance” with Lars K. Hallstrom on Water Policy at the Annual Meeting of the Western Political Science Association in San Antonio, Texas, March 21, 2011.

“Contrasting Wetlands Law and Policy: A Study of Theory and Practice of Watershed Regulations in Canada and the United States” with Lars Hallstrom on the Regulatory Politics and Environmental Policy Panel at the Annual Meeting of the Midwest Political Science Association in Chicago, Illinois, April 22, 2010.

“The Use and Misuse of Brownfield Policy” presented with Sarah Coffin on the Politics of (Sub)urban Sprawl Panel at the Annual Meeting of the Western Political Science Association in Vancouver, British Columbia, March 21, 2009.

“What Explains European Union Policies about the Environment and Agriculture” presented with graduate student Maria Borejza-Wysocka on the Comparative Approaches to Environmental Politics Panel at the Annual Meeting of the Western Political Science Association in San Diego, California, March 22, 2008.

“Environmental Concerns and Confidence in Political Institutions” presented with Myunghee Kim on the Environmental Issues and Public Opinion panel at the Midwest Political Science Association Conference in Chicago, Illinois, April 12, 2007.

“An Economic Analysis of Brownfield Making” presented on the Markets and Environmental Protection: Tensions and Synergies panel at the Western Political Science Association Conference in Las Vegas, Nevada, March 8, 2007.

“Food for Thought or Seeds of Change: Rethinking the Democratic Role of Farmers in Genetically Modified (GM) Crop Adoption” presented on the Democratic Participation and Environmental Policy panel at the Western Political Science Association Conference in Albuquerque, New Mexico, March 17, 2006.

“A Contextual Analysis of TIF, Economic Development, and Culture” presented with Andrew Theising on the State Economic Policy panel at the Midwest Political Science Association Conference in Chicago, Illinois, April 7, 2005.

“A Comparative Analysis of the Impacts of Modern Farming on Agricultural Productivity and Economic Development in NAFTA Countries” presented with graduate student Yaw Owusu for the Comparative Politics of Industrialized Democracies session at the Midwest Political Science Association Conference in Chicago, Illinois, April 8, 2004.

“The Maize of Science, Policy, and Culture: Risk and Regulation of Genetically Engineered Corn in the United States of America and European Union” presented with Lars Hallstrom at the Science, Values, and Public Policy Conference in Brantford, ON, Canada, April 4, 2003.

“Culture Wars Over the Risks, Regulations, and Responsibilities in Genetic Agriculture: A Comparative Analysis of Food Biotechnology Policy in the United States and the European Union,” presented with Lars Hallstrom for the Science, Technology, and Environment division at the American Political Science Association Conference in Boston, Massachusetts, August 30, 2002.

“The Politics of Inclusion: A New Perspective on Environmental Risk Analysis,” presented for the Science, Technology, and Environment division at the American Political Science Association Conference in San Francisco, California, September 1, 2001.

“Challenges to the Idea of Living with the ‘Smallest Risk for the Greatest Number:’ A Critique of Risk Analysis,” presented for the Foundations of Political Theory division at the American Political Science Association Conference in San Francisco, California, September 1, 2001.

“A Feminist Critique of Civil Disobedience in America,” presented on the Feminism, Antifeminism, and Political Science panel at the Midwest Political Science Association Conference in Chicago, Illinois, April 21, 2001.

“Genetically Engineered Democracy: Critical Social Theories Informing Risk Communication Practices, A Case Study on Recombinant Bovine Somatotropin,” presented on the Trust panel at the Society for Risk Analysis Conference in Arlington, Virginia, December 6, 2000.

“The Practice of Risk Analysis and the Theory of Social Contract,” presented on the Risk, Trust, and Experiment panel at the Midwest Political Science Association Conference in Chicago, Illinois, April 29, 2000.

“The Risks of Ecological Liberalism: An Examination of Food Biotechnology Risk Analysis,” presented on the Ecological Democracy panel at the Western Social Science Association Conference in San Diego, California, April 27, 2000.

TEACHING EXPERIENCE

Assistant, Associate and Full Professor at Southern Illinois University Edwardsville,
Course assignments: Fall 2002-Present: *Environmental Law; Environmental Policy; Environmental Sciences Graduate Seminar I and II; Directed Readings and Thesis Hours Environmental Sciences; American Political Ideas and their Origin; Issues in American Public Policy; Introduction to Political Science; and Freshman Seminar*

Visiting Assistant Professor at Saint Joseph's College, Rensselaer, Indiana, course assignment for Spring 2002: *Constitutional Law: The Bill of Rights*

Independent Instructor at Purdue University, course assignments, Fall 1997- Spring 2000: *Introduction to Public Policy and Administration and Environmental Policy*

GRANTS, SCHOLARSHIPS, AND AWARDS

"Tweeting to Sustain Illinois Communities: Using Machine Learning to Understand and Improve Social Media Outreach," with Colin Kuehl. University of Illinois, \$38,182.67. End Date of Funding: May 31, 2025.

2025 Spring Sabbatical, "Untitled book Manuscript to be edited in book volume collaborating with multiple authors investigating the use [and misuse] of online data sources, machine learning and artificial intelligence (Grant submitted in Summer of 2023 and accepted in 2024)

2017 College of Arts and Sciences Targeted Funding Initiative: "2017 SIU Environmental Research Retreat" (\$5,025)

2016 College of Arts and Sciences Targeted Funding Initiative 24th February 2016: "Environmental Sciences Recruitment Workshop for High School Science Teachers" (\$6,350)

2014 Publication Grant by the Social Sciences and Humanities Research Council of Canada with co-editors of *Ecosystems, Society, and Health* (\$8,000)

2013 "Enhancing Hands-On Learning Experiences from Theory to Practice: Modification of ENSC 220L and Development of ENSC 250L" with Environmental Sciences Program Faculty (\$11,500)

2013 Institute for Urban Research Fellow, "Qualitative Assessments of Environmental Justice Programs," as part of Urban Scholars Program (\$13,000)

2010 The Alberta Institute for American Studies, "Comparative Perspectives on Mitigation Banking and Watershed Management: Illinois and Missouri, Nova Scotia and Alberta" (\$5,600)

2009 St. Francis Xavier University Collaborative Research Grant, "Managing Watersheds: a comparative approach to regional regulatory regimes" (\$5,000)

2009 Fall Sabbatical, "The use of Public Health and Community Well-Being Approaches to Wetland Conservation." (Grant submitted in Summer of 2008 and accepted in 2009) with 2008 Summer Research Fellowship "Banking on Markets for Wetland Conservation" (\$4,000)

2007-2008 Institute for Urban Research Fellow, chair of “Brownfield Research Team” as part of Urban Scholars Program (\$13,000)

2007 Strategic Advancement of Graduate Education, Phase II grant, “Implementing the Needs, Demands, and Skills of Environmental Science Employers” with Environmental Sciences Program Faculty (\$3,229)

2007 Strategic Advancement of Graduate Education, Phase II grant, “Networking Regional Business and Alumni for Graduate Internships and Recruitment” (\$2, 510)

2006 SIUE Excellence in Graduate Education Grant, “Graduate Recruitment in the Sciences” with the Environmental Sciences Program Faculty (\$3,762)

2006 Summer Research Fellowship for SIUE. “The State of the Economy and the Environment: A Local Analysis of Brownfields Policymaking” (\$4,000)

2006 SIUE Excellence in Undergraduate Education Grant “Development of ENSC220L – a laboratory Distributive NSM course” with Environmental Sciences Program Faculty (\$13,575)

2005 Summer Research Fellowship for SIUE. “Considering the Producer of Agriculture: Assessing the Opinions of Farmers Regarding Crop Biotechnology” (\$3,000)

2004-2005 Institute for Urban Research Grant co-project director “A Comparative Contextual Analysis of the Effects of TIF on Economic Development in the bi-state St. Louis MSA” with Andrew Theising for 2004-2005 (\$8,650)

2004 SIUE Excellence in Undergraduate Education Grant co-project director “Development of Courses and Implementation of the New Minor in Environmental Sciences” with Environmental Sciences Faculty (\$13,919)

Purdue University Graduate Student Award for Outstanding Teaching (4/2001)

Outstanding Independent Instructor Award in Political Science at Purdue University (4/2000)

Purdue Research Foundation Dissertation Grant (6/00-8/00)

Center for Education and Research in Information, Assurance, and Security Summer Fellowship Program (6/99-8/99)

Lyndon B. Johnson Scholarship for the 4th Congressional District of Wisconsin (5/92-8/92)
Marquette University Scholarship Merit Award (8/89-5/93)

SIGNIFICANT UNIVERSITY SERVICE

Chair, Department of Political Science at SIUE (2023-2024)
Chair, Environmental Sciences Department at SIUE (2018-2024)
Graduate Director, Environmental Sciences Program at SIUE (2014-2018)
Co-Chair, Political Science Department at SIUE (2014-2017)
Graduate Council, Programs Committee, Faculty Senate Representative at SIUE (2011-2014)
SIUE Ad Hoc Committee on Promotion and Tenure Guidelines Review (2008-2013)
Political Science Department Library Liaison at SIUE (2003-2008 and 2013-2015)
Illinois State Academy of Science Environmental Sciences (2007-2010)
College of Arts and Sciences Research and Projects Committee at SIUE (2007-2010)
Political Science Undergraduate Senior Assessment Coordinator at SIUE (2006-present)
Undergraduate Honors Scholars Advisor/Mentor at SIUE (2005-present)
Political Science and Environmental Sciences SIUE Faculty Search Committees (2002-present)
Environmental Sciences Student Assessment and Standards Chair at SIUE (2003- present)
Graduate Appeals Committee Delegate for School of Liberal Arts, Purdue University, (2000)
Political Science President at Catholic University Graduate Student Association, (1994-1995)

PROFESSIONAL MEMBERSHIP

American Political Science Association, Midwest Political Science Association, Illinois State Academy of Science, Midwest Political Science Association, Western Political Science Association, and Southern Political Science Association.

References Available Upon Request