

December 2021

## **Catherine Louise Kling**

**Tisch University Professor of Environmental, Energy, and Resource Economics  
Charles H. Dyson School of Applied Economics and Management  
Faculty Director, Cornell Atkinson Center for Sustainability**

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### **EDUCATION**

Ph.D. Economics, University of Maryland, College Park, Maryland, 1986  
B.B.A. Business and Economics, University of Iowa, Iowa City, Iowa, 1981

### **EXPERIENCE**

Charles F. Curtiss Distinguished Professor of Economics, Iowa State University, 1996-2018  
Director, Center for Agricultural and Rural Development, Iowa State University, 2013-2018  
Interim Director, 2011-13

President's Chair in Environmental Economics, Iowa State University, 2015-2018  
Head, Resource and Environmental Policy Division, Center for Agricultural and Rural  
Development, Iowa State University, 1999-2017

Visiting Researcher, University of East Anglia, U.K., School of Environmental Sciences,  
Jan-July, 2009

Visiting Researcher, LEERNA-INRA, IDEI, University of Toulouse, France, Jan-July, 2003  
Associate Professor of Economics, Iowa State University, 1993-1996

Associate and Assistant Professor of Agricultural Economics, University of California, Davis,  
1986-1993

### **PROFESSIONAL AWARDS AND SERVICE**

National Academy of Sciences, elected 2015

Fellow: American Association for the Advancement of Science (AAAS), elected 2019  
Association of Environmental and Resource Economists (AERE), elected 2015  
American Agricultural Economics Association (AAEA), elected 2006

University Fellow, Resources for the Future, 2015-2018

National Academies of Engineering, Science, and Medicine, standing committees:  
Water Science and Technology Board, chair, 2017-2020; member 2012-2017  
National Academies' Report Review Committee, 2018-2020

Committees of the National Academies of Engineering, Science, and Medicine:  
Committee on Reducing Health Impacts of Reactive Nitrogen in Ground and Surface

Water from Agricultural Sources: An Environmental Health Matters Workshop to Identify Opportunities for Leadership, chair, 2020

Committee on Long-Term Environmental Trends in the Gulf of Mexico, 2020-21

Committee on Improving Data Collecting and Reporting about Agriculture with Increasingly Complex Farm Business Structure, chair 2016-18

Committee on Scientific Tools and Approaches for Sustainability, member 2013-14

Planning Committee on Exploring the True Cost of Food, Institute of Medicine, 2011-12

Committee to Improve Federal Water Resource Planning, National Research Council, Water Science and Technology Board, 2010

Committee on Health, Environmental, and Other External Costs and Benefits of Energy Production and Consumption, National Research Council, 2008-2009

Agricultural Resource Management Survey Panel, National Research Council, 2006-07

Committee to Assess the U.S. Army Corps of Engineers Methods of Analysis and Peer Review for Water Resources Project Planning, National Research Council, 2002-2003

U.S. Environmental Protection Agency, Science Advisory Board:

- Executive Board, 2003-2010, member
- Agricultural Science Committee, 2016-2018, member, removed 2017
- Environmental Economics Advisory Committee, 1998-2003, Chair, 2006- 2011
- Committee on Science Integration for Decision Making, 2009-2010, member
- Hypoxia Advisory Panel, 2006-2008, member and co-leader
- Illegal Competitive Advantage Economic Benefit Advisory Panel, 2005

Advisory Committees and Other Board Service:

- Environmental Defense Fund, Environmental Economics Advisory Committee, 2020-Resources for the Future, Executive Board, 2019-
- Center for Environmental Decision Making, Carnegie Mellon, Advisory Board, 2016-
- International Food Policy Research Institute (IFPRI), Board of Trustees, 2011-2016
- ASU Decision Center for a Desert City, External Advisory Committee, 2014 -
- Sustainable Management of Crop Health (SMaCH), French National Institute for Agricultural Research (INRA), Scientific Advisory Board, 2014 -
- Leopold Center for Sustainable Agriculture, Advisory Board, 2014 -

Formal Mentoring Activities:

- Mentor, Committee on the Status of Women in the Economics Profession, Regional meeting, Chicago, Ill, 2007; National meeting, Boston, MA, 2015
- Invited speaker, ADVANCE Seminar and roundtable, University of Maryland, Fall 2013 and Texas A&M University, Spring 2014
- Invited Speaker, University of Rhode Island faculty mentoring program, 2005

Association of Environmental and Resource Economists:

- President Elect, 2010, President 2011-2012, Outgoing President 2013
- Committee to Select Publication of Enduring Quality, Member, 2008-2010
- Vice President, 2002-2003,
- Board of Directors, 1996-98
- Nominating Committee, 1991, Contributed Papers Committee, 1991-1992

Research Awards:

- Bruce Gardner Memorial Prize for Applied Policy Analysis, Agricultural and Applied Economics Association, 2012
- Outstanding Journal Article Award, *Canadian Journal of Agricultural Economics*, 2007

College of Agriculture and Life Sciences Team Award, 2008  
 First place and “Best of Show” award, EPA Science Forum Poster Competition, Washington D.C., 2004  
 American Agricultural Economics Association Poster Competition, 2006 2<sup>nd</sup> place award, 2005 2<sup>nd</sup> place award, 2004 2<sup>nd</sup> place award, and 2003 1<sup>st</sup> place award  
 American Agricultural Economics Association, Quality of Research Discovery Award, Honorable Mention, 2000 and 2001  
 Western Agricultural Economics Association Outstanding Published Research, 1998  
 American Agricultural Economics Association:  
 Fellow’s Address, annual meetings, Denver, CO, 2010  
 Fellow’s Selection Committee, Member, 2008-2010, 2014-2016, Chair, 2016-2018  
 Nominating Committee, Member, 2008-2010, Board of Directors, Member, 2000-2003  
 Quality of Research Discovery Committee, 1996, Chair, 1994-1995, Member, Selected Papers Committee, 1989, Co-Chair  
 Editorial Service:  
*Review of Environmental Economics and Policy*, Editor, 2018-, Editorial Board, 2015-2017  
*Environmental and Resource Economics*, Editorial Board, 2020-  
*Proceedings of the National Academy of Sciences*, Editorial Board, 2019 - 2020  
*Australian Journal of Agricultural and Resource Economics*, Editorial Board, 2014-  
*Annual Review of Resource Economics*, Editorial Board, 2012-  
*Encyclopedia of Energy, Natural Resource and Environmental Economics*, Senior Editor, 2010 – 2014  
*Journal of Agricultural and Applied Economics*, Editorial Council, 2010-  
*Applied Economics Perspectives and Policy*, Editorial Board, 2009-  
*Land Economics*, Editorial Board, 2001-  
*Journal of Agricultural and Resource Economics*, Editorial Council, 2000 -  
*Journal of Environmental Economics & Management*, Associate Editor, 1992-1993, Editorial Council, 1988-1991, 1998-2005  
*American Journal of Agricultural Economics*, Associate Editor, 1994-1996  
 Resources for the Future:  
 Selection Committee for “Frontiers in Environmental Economics Conference,” 2008  
 Selection Committee for John Krutilla Memorial Stipend, 2008-current  
 Western Agricultural Economics Association:  
 M.S. Thesis Award Committee, 1992, Member,  
 Best Journal Article Committee, 1991, 1997, Member

**PH.D. STUDENTS and POST-DOCS, major/co-major professor, year of degree, first placement**  
 Kevin Meyer, 2017, Saginaw Valley State University, Michigan, Assistant Professor  
 Jimena Gonzalez-Ramirez, 2016, Manhattan College, New York City, Assistant Professor  
 Mainul Hoque, 2015, Bangladesh Institute of Development Studies, Bangladesh  
 Jiaqi Ge, 2014, James Hutton Institute, Aberdeen Scotland, Social Systems Simulation Modeler  
 Adriana Valcu, 2013, Center for Agric. and Rural Development, Iowa State University  
 Keith Evans, 2011, St. Lawrence University, Assistant Professor  
 Subhra Bhattacharjee, 2010, Oberlein College, visiting Assistant Professor and United Nations Development Program, New York, NY

Manoj Jha (post-doc), 2010, North Carolina A&T University, Assistant Professor  
Mira Nurmakanova, 2008, Almaty State University, Kazakhstan, faculty appointment  
Chih-Chen Liu, 2008, National University of Kaohsiung, Taiwan, Assistant Professor  
Sergey Rabotyagov, 2007, University of Washington, Seattle, Assistant Professor  
Christopher Burkart, 2006, University of Western Florida, Assistant Professor  
Shikha Marwah, 2003, St. Edwards University, Lecturer  
Kevin Egan, 2003, University of Toledo, Assistant Professor  
Jay Corrigan, 2001, Kenyon College, Assistant Professor  
Silvia Secchi (post-doc), 2001, Southern Illinois University, Assistant Professor  
Christopher Azevedo, 2000, Central Missouri State University, Assistant Professor  
Uwe Schneider (post-doc), 1999, University of Hamburg, Germany, Lecturer  
Hongli Feng, 1999, Center for Agric. and Rural Development, Iowa State University  
Lyubov Kurkalova (post-doc), 1999, Southern Illinois University, Assistant Professor  
John Crooker, 1998, Texas Tech University, Assistant Professor  
Daniel Phaneuf, 1996, North Carolina State University, Assistant Professor  
Jonathan Rubin, 1990, University of Tennessee, Assistant Professor  
Marca Weinberg, 1989, Economic Research Service, USDA

## **GRANTS AND CONTRACTS**

US Department of Agriculture, NIFA, “Measuring the Social Costs of Nutrient Pollution through Integrated Assessment Modeling,” (co-Principal Investigator), 2021-2025, \$400,000

Cornell NYC Visioning Initiative Grant, “Biodiversity Studies Using Interdisciplinary Research Designs: The Ecosystem Services Costs of Nightlights in New York City,” (co-Principal Investigator), 2019-2020, \$74,200.

US Department of Agriculture, NIFA, “Rural Drinking Water Habits, Information Provision, and Pollution Exposure,” (co-Principal Investigator), 2019-2021, \$ 500,000.

US Department of Agriculture, NIFA, “Integrated Assessment Models for Water Quality Valuation: Application to NRCS Conservation Initiatives,” (co-Principal Investigator), 2019-2021, \$496,265.

US Environmental Protection Agency, “Valuing Water Quality Improvements in Midwestern Ecosystems: Spatial Variability, Validity and Extent of the Market for Total Value,” (Principal Investigator), 2016-2020, \$800,000.

US Department of Agriculture, NRCS, “Monetizing Water Quality Benefits from the EQIP Program,” (co-Principal Investigator), 2017-2019, \$150,000.

Iowa Environmental Council.” Economics of Clean Water in Iowa: Costs and Benefits of Pollution Reduction,” (co-Principal Investigator), 2017-2018 \$25,000.

National Science Foundation, “FEW: Coupling Economic Models with Agronomic, Hydrologic, and Bioenergy Models for Sustainable Food, Energy, and Water Systems,” (Principal

Investigator), 2015, \$46,000.

National Science Foundation, SESYNC, “The Value of Water Quality to Lake Recreation: Evidence from Geotagged Social Media,” (Principal Investigator), 2015-2016, \$70,740.

US Department of Agriculture, ERS, “Nudging in the Face of Risk and Ambiguity Aversion: Adopting Cover Crops to Reduce Nutrient Pollution,” (Principal Investigator), 2015-17, \$75,000.

US Department of Agriculture, NIFA, “The Value of Water Quantity vs Quality: Assessing the Tradeoffs between Agricultural yields and Downstream Uses of Water Resources,” (co-Principal Investigator), 2015-2018, \$660,000.

Iowa Department of Natural Resources, “Valuing Water Quality Improvements in Iowa Lakes, 2014” (Principal Investigator), 2014-2015, \$130,000.

Iowa Nutrient Center, College of Agriculture and Life Sciences, Iowa State University. “Economic and Social Science Perspectives,” (Principal Investigator), 2013-14, \$116,000.

National Science Foundation, “Climate and Human Dynamics as Amplifiers of Natural Change: A Framework for Vulnerability Assessment and Mitigation Planning, (Principal Investigator, collaborative proposal, lead U Minnesota), 2012-2016, \$480,000.

US Department of Agriculture, Policy Research Center, “The Center for Agricultural and Rural Development at Iowa State University,” (Principal Investigator), 2012-2014, \$768,000.

US Department of Agriculture, Bioenergy Coordinated Agriculture Program, National Institute of Food and Agriculture (co-Principal Investigator), 2011-2015, \$300,000.

US Department of Agriculture, Climate and Corn-Based Cropping Systems Coordinated Agriculture Program, National Institute of Food and Agriculture (co-Principal Investigator), 2011-2015, \$640,000.

National Science Foundation, “Northern Gulf of Mexico Hypoxia and Land Use in the Watershed: Feedback and Scale Interactions,” (Principal Investigator), 2010-2012, \$650,000.

US Department of Agriculture, NRCS, “Water Quality Benefits from Agricultural Conservation Actions and Programs,” (Principal Investigator), 2010-2011, \$50,000.

US Department of Agriculture, Economic Research Service, “The Supply of Greenhouse Gas Offsets from Agriculture and their Water Quality Effects in the Upper Mississippi River Basin,” (Principal Investigator), 2010-2011, \$100,000.

US Department of Agriculture, Economic Research Service, “Evaluating the Integrity of Agricultural GHG Offsets: The Costs and Consequences of Alternative Baselines and Program Options,” (Principal Investigator), 2010-2013, \$120,000.

US Environmental Protection Agency, “A Market Feasibility Assessment for Water Quality Trading and Reverse Auctions in the Raccoon River Watershed,” (Principal Investigator), 2009-2010, \$200,000.

US Environmental Protection Agency, “A Market Feasibility Assessment for Reverse Auctions in the Walnut Creek Watershed,” (Principal Investigator), 2009-2010, \$200,000.

US Environmental Protection Agency, STAR grant, “A Market Feasibility Assessment for Reverse Auctions in the Boone River Watershed,” (Principal Investigator), 2009-2010, \$200,000.

Iowa Department of Natural Resources, “Economic Impact and Value of Preserving and Restoring Water Quality in Iowa’s Lakes,” (co-Principal Investigator), 2009-2010, \$130,000.

Iowa Department of Natural Resources, “Understanding the Usage Patterns and Most Desirable Characteristics of Iowa’s Rivers and Streams,” (co-Principal Investigator), 2009-2010, \$130,000.

Department of Energy, “Expansion of Ethanol Production: Evaluation of Costs and Benefits to Rural Communities in the Upper Mississippi River Basin,” (co-PI) 2006-2010, \$625,000.

National Science Foundation, “Social Complexity and the Management of the Commons,” (Principal Investigator) 2006-2010, \$250,000.

US Department of Agriculture, Natural Resource Conservation Service “Environmental Credit Trading Handbook,” (Principal Investigator), 2006-2007, \$84,000.

USDA/NASA “Interactive Drivers of Land-Use/Land-Cover Change in Agricultural Areas: Climate and Land-Manager Choices,” (Principal Investigator), 2006-2008, \$475,000.

Iowa Department of Natural Resources, “Restoring Water Quality in Iowa Lakes,” 2006-2007 (co-Principal Investigator), \$70,000.

Iowa Farm Bureau, Iowa Soybean Association, Iowa Corn Growers Association, and the Leopold Center, “Conservation Practices in Iowa: Historical Investments, Water Quality, and Gaps,” (Principal Investigator), 2006, \$75,000.

US Department of Agriculture, CSREES, “Water Resource Degradation in the Boone Watershed: Integrating Stakeholder Knowledge and Preferences with Economic and Watershed Models,” (Principal Investigator), 2005-2008, \$590,000.

National Science Foundation, “Bio-complexity of Integrated Perennial-Annual Agroecosystems,” (co-Principal Investigator), 2005-2007, \$100,000.

Cooperative State Research, Education, and Extension Service, USDA, “Economic and Water Quality Effects of Multiple Conservation Practices in Three Midwest Watersheds,” 2004-2007

(Principal Investigator), \$640,000.

US Environmental Protection Agency special grant (noncompetitive), “Resource and Agricultural Policy System,” (Principal Investigator) over \$2,500,000, 1999-2006.

Iowa State Water Resources Research Institute, “Improving Water Quality in Iowa Rivers: Cost-Benefit Analysis of Adopting New Conservation Practices,” 2005-2006 (co-PI), \$40,000.

Economic Research Service, USDA, “Improving Estimates of the Non-market Benefits of Conservation Programs,” 2004-2005 (co-Principal Investigator), \$70,000.

Iowa Department of Natural Resources, “Costs of Adopting Conservation Practices on Agricultural Cropland in Iowa and Possible Nutrient Standards,” 2004 (PI) \$53,000.

National Science Foundation/ Environmental Protection Agency Joint Competition, “Valuing Water Quality in Midwestern Lake Ecosystems: Temporal Stability and the Role of Information in Value Formation,” 2002-2005 (co-Principal Investigator), \$430,000.

Consortium for Agricultural Soils Mitigation of Greenhouse Gases (CASMGs), USDA, 2003-2004 (Principal Investigator), \$1,300,000.

Iowa Department of Natural Resources, “Valuing Water Quality Improvements in Iowa Lakes,” 2002 (co-Principal Investigator), \$81,000.

Environmental Protection Agency, "Heartland Environmental and Resource Economics Workshop," (Principal Investigator), 1999-2001, \$65,000, 2002-2005, \$65,000.

Miller Faculty Fellowship, Iowa State University, “Active Learning in Introductory Economics with a Focus on the Environment,” 1997-1998 (co-Principal Investigator), \$17,000.

National Science Foundation/ Environmental Protection Agency Joint Competition, 1998, “An Examination of Utility Consistent Approaches to Modeling Corner Solutions in Recreation Demand,” 1998-2000 (co-Principal Investigator), \$135,000.

National Science Foundation/ Environmental Protection Agency Joint Competition, 1996, “Updating Prior Methods for Non-Market Valuation: A Bayesian Approach to Combining Disparate Sources of Environmental Values,” 1996-1998 (co-Principal Investigator), \$210,000.

Environmental Protection Agency STAR Grant, “The Robustness of Welfare Estimates for Environmental Goods from Discrete Choice Recreational Demand Models,” 1995-1997 (co-Principal Investigator), \$88,000.

University-wide Energy Research Group, “Economic Efficiency of Marketable Credits for Alternative Transportation Fuels,” 1992-1993 (Principal Investigator) \$24,000.

USDA Cooperative Agreement, “Economic Incentives to Reduce Agricultural Pollution of Water Resources,” 1990-92 (co-Principal Investigator), \$120,000.

California Institute for Energy Efficiency, “The Use of Economic Incentives to Introduce Electric and Natural Gas Vehicles and Reduce Mobile Source Emissions,” 1990-92 (Principal Investigator) \$180,000.

Public Service Research and Dissemination Program Grant, “Economic Incentives for the Control of Agricultural Non-Point Source Water Pollution,” 1988-89 (co-Principal Investigator).

Giannini Foundation of Agricultural Economics and Faculty Research Grants, UC Davis (Principal Investigator), 1987-88, 1988-89.

**PRESENTATIONS** At conferences and professional meetings:

Agricultural and Applied Economics Association (former American Agricultural Economics Association), Agricultural Policy Forum, Agricultural Outlook Forum, Allied Social Sciences Association, Association of Environmental and Resource Economics, Annual Water Monitoring Conference, Australian Agricultural and Resource Economics Association, Camp Resources, Carbon Sequestration Modeling Forum, Catchment Scale Research and Evaluation for Agriculture and Water Quality (Dublin), Colorado Environmental and Resource Economics Workshop, Danish Environmental Economics Conference, Ecological Society of America, EPA Conference on Water Quality in Major Rivers, Estuarine Research Federation, European Agricultural Economics Association, European Association of Environmental and Resource Economists, The Farm Bill and the Environment Workshop, Fate of the Earth Summit, Resources for the Future, RFF Frontiers of Environmental Economics, Collecting Global Expertise to Address the Problem of Harmful Algal Blooms, Global Environmental Frontiers Conference, Shanghai, Heartland Environmental and Resource Economics Conference, Iowa Environmental Council, Iowa Water Center, Workshop on Linking Biophysical and Economic Models of Biofuel Production and Environmental Impacts, Land, Environment, and Economic Policy Conference, Midwest Regional Wildlife Conference, Northeast Agricultural and Resource Economics Association Workshop, National Academy of Science Roundtable on Environmental Health, National Research Council Committees, National Bureau of Economic Research, National Science Foundation Workshop on Environmental Observatories, OECD Workshop on Evaluating Agri-Environmental Policies, Seed Science Convention, Soil and Water Conservation Society, Southern Economics Association, USDA-CSREES National Water Conference, Urban Ag Academy, UC Santa Barbara workshop on Marketable Permits, W-133 Regional Meetings, Western Agricultural Economics Association, Western Economics Association, World Congress of Environmental and Resource Economists.

**PRESENTATIONS** At universities and research institutions:

California Institute for Energy Efficiency, Arizona State University, Center for Earth Surface Dynamics (Minnesota), East Carolina University, Environmental Defense Fund (Washington D.C.), Harvard University (Kennedy School), Institute on the Environment (Minnesota), International Food Policy Research Institute (Washington DC), INRA (Rennes, France), Iowa State University, Michigan State University, North Carolina State University, The Ohio State University, Oregon State University, Pennsylvania State University, Property and Environment



Research Center (Bozeman, MT), Resources for the Future, Texas A&M University, Triangle Resource and Environmental Economics Seminars, USDA Economic Research Service, USDA Natural Resource Conservation Service, University of Aarhus, (Roskilde, DK), University of Alberta, (Edmonton, CA), University of British Columbia, Vancouver, BC, University of California Davis, University of East Anglia (Norwich, UK), University of Connecticut, University of Florida, University of Georgia, University of Illinois, University of Iowa, University of Kansas, University of Maine, University of Maryland, University of Minnesota, University of Nebraska Lincoln, University of Oklahoma, University of Rhode Island, University of Tennessee, Knoxville, University of Toulouse (France), University of Wisconsin, Virginia Tech University, Yale University (School of Forestry).

## BOOKS

Freeman, A. Myrick III, Joseph A. Herriges and Catherine L. Kling. *The Measurement of Environmental and Resource Values: Theory and Methods*, Third edition, RFF Press, 2014.

Kling, C. (managing editor) *Encyclopedia of Energy, Natural Resource, and Environmental Economics, Volume 3*, Elsevier, 2013. Shogren, J. Editor-in-Chief.

Herriges, J. and C. Kling, editors. *Revealed Preferences Approaches to Environmental Valuation, The International Library of Environmental Economics and Policy, Volumes I and II*, Ashgate Publishing, 2008.

## JOURNAL ARTICLES

Ji, Y., D.A. Keiser, C.L. Kling, and D.J. Phanuef. "Revenue and Distributional Consequences of Alternative Outdoor Recreation Pricing Mechanisms: Evidence from a Micro Panel Data Set," *Land Economics* (2022): forthcoming

Levin, S.A., Anderies, J.M., Adger, N., Barrett, S., Bennett, E.M., Cardenas, J.C., Carpenter, S.R., Crépin, A.-S., Ehrlich, P., Fischer, J., Folke, C., Kautsky, N., Kling, C., Nyborg, K., Polasky, S., Scheffer, M., Segerson, K., Shogren, J., Van Den Bergh, J., Walker, B., Weber, E.U., Wilen, J. "Governance in the Face of Extreme Events: Lessons from Evolutionary Processes for Structuring Interventions, and the Need to Go Beyond," *Ecosystems*. (2021): forthcoming

Hansen, A.T., T. Campbell, S. Jong Cho, J.A. Czuba, B.J. Dalzell, C.L. Dolph, P.L. Hawthorn, S. Rabotyagov, Z. Lang, K. Kumarasamy, P. Belmont, J.C. Finlay, E. Foufoula-Georgiou, K.B. Gran, C. L. Kling, and P. Wilcock. "Integrated assessment modeling reveals near-channel

management as cost-effective to improve water quality in agricultural watersheds," *Proceedings of the National Academy of Sciences* 118 (2021): doi.org/10.1073/pnas.2024912118

Keiser, D.A., S.M. Olmstead, K.J. Boyle, V.B. Flatt, B.L. Keeler, C.L. Kling, D.J. Phaneuf, J.S. Shapiro, and J.P. Shimshack, "A Water Rule that Turns a Blind Eye to Transboundary Pollution," *Science* 372:6539(2021): 241-243.

Liang, Y., I. Rudik, E. Y. Zou, A. Johnston, A. D. Rodewald, C.L. Kling "Conservation Co-Benefits from Air Pollution Regulation: Evidence from Birds," *Proceedings of the National Academy of Sciences* 117 (2020): 30900-30906

Moore, K.J., C.L. Kling, and D.R. Raman, "A Midwest USA Perspective on Von Cossel et al.'s Prospects of Bioenergy Cropping Systems for a More Social-Ecologically Sound Bioeconomy" *Agronomy* 10(2020): 1658.

Bateman, I.J. and C.L. Kling. "Revealed Preference Methods for Nonmarket Valuation: An Introduction to Best Practices," *Review of Environmental Economics and Policy* 14:2(2020):240-259.

Rabotyagov, S., S. Jong, T. Campbell, and C.L. Kling. "Good Seeds Bear Good Fruit: Using Benefit-to-cost Ratios in Multiobjective Spatial Optimization under Epistasis," *Land Economics* (2020): 531-551.

Ji, Y., Keiser, D.A., and C.L. Kling. "Temporal Reliability of Welfare Estimates from Revealed Preference," *Journal of the Association of Environmental and Resource Economists* 7:4 (2020). 656-686.

Hoque, M., J.A. Herriges, and C.L. Kling. "The Response of Recreation Demand to Recessary Forces: Evidence from Local Lake Usage," *Land Economics* 96,2(2020): 225-243.

Polasky, S., C.L. Kling, S.A. Levin, S. R. Carpenter, G.C. Daily, P.R. Ehrlich, G.M. Heal, and J. Lubchenco. "Role of Economics in Analyzing the Environment and Sustainable Development," *Proceedings of the National Academy of Sciences* 116:12(2019): 5233-5238.

Cropper, M.L., C.L. Kling, and F. Sussman. "' Conversation with Maureen Cropper," *Annual Review of Resource Economics* 11:1 2019: 1-18.

Keiser, D.A., C.L. Kling, and J.S. Shapiro. "The Low but Uncertain Measured Benefits of US Water Quality Policy," *Proceedings of the National Academy of Sciences* 116:12 (2019): 5262-5269.

Keiser, D.A., C.L. Kling, and D.J. Phaneuf. "The Social Cost of Water Pollution," *Resources*, Spring (2019).

Kling, C.L, and D.J. Phaneuf. "How are Scope and Adding up Relevant for Benefits Transfer?" *Environmental and Resource Economics* 69:3(2018): 483-502

Kling, C.L., R.W. Arritt, G. Calhoun, and D.A. Keiser. "Integrated Assessment Models of the Food, Energy, and Water Nexus: A Review and an Outline of Research Needs," *Annual Review of Resource Economics* 9(2017): 143-163.

Valcu, A., C. Kling, and P. Gassman. "The Optimality of Using Marginal Land for Bioenergy Crops: Tradeoffs between Food, Fuel, and Environmental Services," *Agricultural and Resource Economics Review* 45(2016): 217-245.

Rabotyagov, S., A. Valcu, and C.L. Kling. "Resilient Provision of Ecosystem Services from Agricultural Landscapes: Tradeoffs involving Means and Variances of Water Quality Improvements," *American Journal of Agricultural Economics* 98(2016): 1295-1313.

Bullerjahn, G.S., R.M. McKay, T. W. Davis, D. Baker, G. Boyer, L D'Anglada, G. Doucette, J. Ho, E. Irwin, C. Kling, et al. "Global Solutions to Regional Problems: Collecting Global Expertise to Address the Problem of Harmful Cyanobacterial Blooms: A Lake Erie Case Study," *Harmful Algae* special Issue, 54(2016): 223-238.

Panagopoulos, Y., P.Gassman, M. Jha, C. Kling, T. Campbell, R Srinivasan, M. White, and J. Arnold. "A Refined Regional Modeling Approach for the Corn Belt: Recommendations for Large-Scale Integrated Modeling," *Journal of Hydrology* 524(2016): 348-66.

Ji, Y., J. Herriges, and C. Kling. "Modeling Recreation Demand when the Access Point is Unknown," *American Journal of Agricultural Economics* 98:3 (2016): 860-880.

Kim, Y., C. Kling, J. Zhao. "Understanding Behavioral Explanations of the WTP-WTA Divergence through a Neoclassical Lens: Implications for Environmental Policy," *Annual Review of Resource Economics* 7(2015): 169-187.

Keeler, B., S. Wood, S. Polasky, C. Kling, C. Filstrup, and J. Downing. "Recreational Demand for Clean Water: Evidence from Geotagged Photographs by Visitors to Lakes" *Frontiers in Ecology and the Environment* 13(2015): 76-81.

Rabotyagov, S., T. Campbell, M. White, J. Arnold, J. Atwood, L. Norfleet, C.L. Kling, P.W. Gassman, A.M. Valcu, J. Richardson, R.E. Turner, and N.N. Rabalais, "Cost-Effective Targeting of Conservation Investments to Reduce the Northern Gulf of Mexico Hypoxic Zone," *Proceedings of the National Academy of Sciences* 111:52(2014): 18530-18535

Rabotyagov, S., A Valcu, and C. Kling. "Reversing the Property Rights: Practice-Based Approaches for Controlling Agricultural Nonpoint-Source Water Pollution When Emissions Aggregate Nonlinearly" *American Journal of Agricultural Economics* 96:2(2014): 397-419.

Rabotyagov, S., C. Kling, P. Gassman, N. Rabalais, and R. Turner. "The Economics of Dead Zones: Causes, Impacts, Policy Challenges, and a Model of the Gulf of Mexico Hypoxic Zone," *Review of Environmental Economics and Policy*, 8:1(2014):58-79

Kling, C., Y. Panagopoulos, A. Valcu, P. Gassman, S. Rabotyagov, T. Campbell, M. White, J.

Arnold, R. Srinivasan, M. Jha, J. Richardson, R.E. Turner, and N. Rabalais. "Land Use Model Integrating Agriculture and the Environment (LUMINATE): Linkages between Agricultural Land Use, local Water Quality and Hypoxic Concerns in the Gulf of Mexico Basin," *European Review of Agricultural Economics*, special issue, 41:3(2014):431-459

Panagopoulos, Y., P. Gassman, R. Arritt, D. Herzmann, T. Campbell, M. Jha, C. Kling, R. Srinivasan, M. White and J. Arnold. "Surface Water Quality and Cropping Systems Sustainability under a Changing Climate in the Upper Mississippi River Basin," *Journal of Soil and Water Conservation* 69:6(2014):483-494.

Liu, C-C., J. Herriges, C. Kling, S. Secchi, J. Nassauer, and D. Phaneuf. "A Comparison of Value Elicitation Question Formats in Multiple-Good Contingent Valuation," *Frontiers of Economics in China* 9:1(2014): 85-108.

Rabotyagov, S., A. Valcu, T. Campbell, P.W. Gassman, M. Jha, and C.L. Kling. An Improved Reverse Auction for Addressing Water Quality in Agricultural Watersheds Using Coupled Simulation-Optimization Models," *Frontiers of Economics in China* 9:1(2014): 25-5.

Kling, C. "State Level Efforts to Regulate Agricultural Sources of Water Quality Impairment," *Choices*, 3<sup>rd</sup> quarter, 2013.

Kling, C., J. List, and J. Zhao. "A Dynamic Explanation of the Willingness to Pay and Willingness to Accept Disparity," *Economic Inquiry* 51:1 (2013): 909-921.

Schilling, K., P. Gassman, C. Kling, T. Campbell, M. Jha, C. Wolter, and J. Arnold. "The Potential for Agricultural Land Use Change to Reduce Flood Risk in a Large Watershed," *Hydrological Processes* (2013), wileyonlinelibrary.com, DOI: 10.1002/hyp.9865.

Kling, C., D. Phaneuf, and J. Zhao. "From Exxon to BP: Has Some Number Become Better than No Number?" *Journal of Economic Perspectives* 26:4(2012): 3-26.

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