

Chris J Kennedy

George Mason University
Environmental Science and Policy
David King Hall 3049
MS 5F2
Fairfax, VA 22030

phone: 703.993.5471
fax: 703.993.1066
cell: 307.399.0725
email: ckenned7@gmu.edu
web: <https://sites.google.com/site/chrisjkennedy/>

Education

Ph.D. Economics, University of Wyoming, 2011.

B.S. Chemical Engineering, Clarkson University. 2005.

Professional appointments

Current

Foreign Affairs Officer and AAAS Science and Technology Policy Fellow, US Department of State, Bureau of Conflict and Stabilization Operations, Office of Analysis, Planning, Programs & Learning

Associate Professor, Environmental Science and Policy, George Mason University

Past

Assistant Professor, Environmental Science and Policy, George Mason University, 2011–2017

Publications

Peer-reviewed publications

Rachel E. Golden Kroner, RE, S Qin, CN Cook, R Krithivasan SM Pack OD bonilla, KA Cort-Kansinally, B Coutinho, M Feng, MI Martinez Garcia, Y He, CJ Kennedy, C Lebreton, JC Ledezma, TE Lovejoy, DA Luther, Y Parmanand, CA Ruz-Agudelo, D Yarena, VM Zambrano, MB Mascia. 2019. The uncertain future of protected lands and waters. *Science*.

Richards, RC, CJ Kennedy, TE Lovejoy, PHS Brancalion. 2017. Considering farmer land use decisions in efforts to scale up Payments for Watershed Services. *Ecosystem Services* 23, 238–247.

Kennedy, CJ, EB Barbier. 2016. The economic value of freshwater inputs to an estuarine fishery. *Water Resources and Economics* 13, 46-59.

Kennedy, CJ, EB Barbier. 2015. Renewable resource harvesting under correlated biological and economic uncertainties: implications for optimal and second-best management *Environmental and Resource Economics* 60(3), 371-393.

Burgess, J, CJ Kennedy, CF Mason. On the potential for speculation to threaten biodiversity loss. Chapter 15 in *Nature in the Balance: The Economics of Biodiversity* (editors: Dieter Helm and Cameron Hepburn). Oxford University Press. 2014.

- Kennedy, CJ, EB Barbier. 2013. Renewable resource management with environmental prediction: The importance of structural specification. *Canadian Journal of Economics* 46(3), 1110-1122.
- Kennedy, CJ, S Cheong. 2013. Lost ecosystem services as a measure of oil spill damages: A conceptual analysis of the importance of baselines. *Journal of Environmental Management* 128, 43-51.
- Aswani, S, P Christie, N Muthiga, R Mahon, J Primavera, L Cramer, E Barbier, E Granek, CJ Kennedy, E Wolanski, S Hacker. 2012. The way forward with ecosystem based management in tropical contexts: Reconciling with existing management systems. *Marine Policy* 36(1), 1-10.
- Barbier, EB, SD Hacker, CJ Kennedy, EW Koch, AC Stier, BR Silliman. 2011. The value of estuarine and coastal ecosystems. *Ecological Monographs* 81(2), 169-194.
- Granek, EF, S Polasky, CV Kappel, DJ Reed, DM Stoms, EW Koch, CJ Kennedy, LA Cramer, SD Hacker, EB Barbier, S Aswani, M Ruckelshaus, GME Perillo, BR Silliman, N Muthiga, D Bael, E Wolanski. 2010. Ecosystem services as a common language for coastal ecosystem-based management. *Conservation Biology* 24(1), 207-216.
- Koch, EW, EB Barbier, BR Silliman, DJ Reed, GME Perillo, SD Hacker, EF Granek, JH Primavera, N Muthiga, S Polasky, BS Halpern, CJ Kennedy, CV Kappel, E Wolanski. 2009. Non-linearity in ecosystem services: temporal and spatial variability in coastal protection. *Frontiers in Ecology and the Environment* 7(1): 29-37.
- Barbier, EB, EW Koch, BR Silliman, SD Hacker, E Wolanski, J Primavera, EF Granek, S Polasky, S Aswani, LA Cramer, DM Stoms, CJ Kennedy, D Bael, CV Kappel, GME Perillo, DJ Reed. 2008. Coastal ecosystem-based management with non-linear ecological functions and values. *Science* 319, 321-323.
- Barbier, EB, EW Koch, BR Silliman, SD Hacker, E Wolanski, J Primavera, EF Granek, S Polasky, S Aswani, LA Cramer, DM Stoms, CJ Kennedy, D Bael, CV Kappel, GME Perillo, DJ Reed. 2008. Vegetation's Role in Coastal Protection: response. *Science* 320:176-177.

Other publications

- Kennedy, CJ. 2015. Review of Costanza, et al.: *An Introduction to Ecological Economics*, (2nd Ed.). *Ecological Engineering* 82: 652-653.
- Akerlof, K, C Kennedy. 2013. *Nudging Toward a Healthy Natural Environment: How Behavioral Change Research Can Inform Conservation*. The Gordon and Betty Moore Foundation. 82p.
- Kennedy, CJ, S Scott. 2012. Thin wholesale markets and direct marketing in renewable resource exploitation. Proceedings from the 2012 Meetings of the International Institute for Fisheries Economics and Trade, July 16-20, 2012 in Dar es Salaam, United Republic of Tanzania
- Kennedy, C. 2010. Fishery management when economic and biological disturbances are correlated. Proceedings from the 2010 Meetings of the International Institute for Fisheries Economics and Trade, July 14-19, 2010 in Montpellier, France.
- Consequences of Ocean Acidification and Warming on Coral Reef Ecosystems of The Bahamas: Assessment of Four Management Alternatives*. (Economics and synthesis lead). Haub School for Natural Resources, University of Wyoming, 2009. 157p.

In review / in prep

Farmer preferences for reforestation contracts in Brazils Atlantic Forest. Ryan Richards, Benjamin Christ, Chris Kennedy, Eduardo Ditt, Ragan Petrie. Revise and resubmit, *Forest Policy and Economics*.

Setting carbon taxes (or abatement credits) using declining discount rates: Implications for investment-based mitigation. Chris Kennedy, Shana McDermott, and Matthew Oliver. Revise and resubmit, *Ecological Economics*.

When does natural science uncertainty translate into economic uncertainty? Insights for invasive species valuation. Shana McDermott, David Finnoff, Jason Shogren, Chris Kennedy.

Informal institutions, threat of appropriation, and resource outcomes in the commons.

Interactions between climate change and fisheries management in the Mid-Atlantic Bight (USA)

Grants

Oil price volatility, carbon taxes, and macroeconomic performance: theory and evidence. *Alliance for Market Solutions*. January, 2018 – December, 2019; PI. \$53,188

Understanding the impacts of climate change on the distribution, population connectivity, and fisheries for summer flounder (*Paralichthys dentatus*) in the Mid-Atlantic. *NOAA / Sea Grant Mid Atlantic Regional Research Grant*. February, 2014 – January, 2017; co-PI. \$505,765 (GMU: \$130,630)

SAV Technical Synthesis III. *The Chesapeake Bay Project*. December, 2013 – July, 2014; investigator. \$100,000 (GMU: \$5,500)

Harnessing Social Science to Promote Conservation: Mechanisms of Decision-Making and Behavioral Change. *The Gordon and Betty Moore Foundation*. July, 2012 – May, 2013; PI. GMU: \$20,473

Biological complexity and economic reality in fisheries management: a study of the Georgia, USA blue crab fishery. *NOAA / Sea Grant Fellowship in Marine Resource Economics*. June, 2009 – June, 2011; PI. \$76,000

Professional and other service

Selection committee: David H. Smith Conservation Research Fellowship Program, 2017-2019

Elected to the George Mason University Internal Review Committee to investigate issues related to gift agreements and donor influence.

External reviewer: National Academies of Science Gulf Research Program

External reviewer: Saltonstall-Kennedy Competitive Research Program (NOAA)

Member: 3rd Chesapeake Bay Submerged Aquatic Vegetation Technical Synthesis Team, tasked with evaluating and synthesizing the current state of knowledge regarding ecosystem services associated with SAV in The Bay.

External reviewer / panel discussant: Society for International Development, Washington, DC (Release of Nature, Wealth and Power 2 Guidelines: Leveraging natural and social capital for resilient development)

Invited participant: *Getting your science into policy: tools (and tricks) of the trade*. Media and policy training organized by Communication Partnership for Science and the Sea (COMPASS). December 11-12, 2009, in Santa Barbara, CA.

Faculty of 1000, Associate Faculty.

George Mason University Faculty Senate (2015 – present)

Wyoming State Society – Fundraising Chair, Event Coordinator (2015 – present)

Other service

CASA of Washington, DC (volunteer) – Court Appointed Special Advocate for children and young adults in the DC foster care system (February, 2014 – October, 2018); <http://casadc.org/>

Gallery Guide at Smithsonian's Hirshhorn Museum and Sculpture Garden (January, 2016 – January, 2017)

Board Member and Events Chair, Wyoming State Society (April, 2013 – present)

Snowy Range Ski Patrol (volunteer): Completed 130 hours of EMT-style training designed by the National Ski Patrol, served as a volunteer ski patroller at the Snowy Range Ski Area, Centennial, WY (2007-2011)

Personal

Born on November 22, 1982.

United States Citizen.

Last updated: May 9, 2019