

Dana A. Dolan, Ph.D.

Curriculum Vitae – August 2021

Home/Personal

Northern Virginia
mobile: 703.217.0829
dana.a.dolan@gmail.com
twitter: @danadolan

University Affiliations

George Mason University, Policy Fellow & Adjunct Professor Schar School of Policy and Government & Center for Resilient and Sustainable Communities Fairfax, VA and Arlington, VA ddolan1@gmu.edu *preferred http://danadolan.gmu.edu	The George Washington University, Adjunct Professor Elliott School of International Affairs Washington, D.C. ddolan1@gwu.edu
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Overview

Dr. Dolan interprets real-world cases of policy change to distill lessons for understanding the politics and policy of long-term governance. Her problem-focused and theoretically engaged approach addresses complex societal problems such as climate change adaptation, community resilience, and societal transformations at local to global levels. An interdisciplinarian to the core, prior to obtaining her PhD in Public Policy, Dolan held senior positions in software research and development serving government management needs. Her work and appears in venues as diverse as *Policy Studies Journal*, *IEEE Software*, and U.S. Congressional Records.

Dr. Dolan is also completing a book manuscript based on her NSF-funded study of Australia's 2007 Commonwealth Water Act, one of the world's first major climate change adaptation policies. Managing constantly evolving, long-term governance challenges such as these is a risky endeavor where missteps may either erupt into crises or suppress collective action, allowing brewing problems to deepen and solidify. And although it is well accepted that crises can clarify societal problems and highlight policy solutions, crises do not reliably spark policy change. To understand why, Dolan offers a fresh perspective on Kingdon's Multiple Streams policy process theory by unpacking the political forces influencing policy change and resistance at multiple governance levels and operationalizing concepts previously overlooked to show how factors such as the self-interested use of political agency raise the risk of crisis exploitation. Looking beyond simplistic assumptions that extreme drought opened a policy window, this book reveals how politically constructed crises influence the policy process.

If theory suggests these forces are "normal," practice shows there are exceptions to the rule. Dolan's latest study analyzes promising practices for building resilience and sustainability. Grounded in collaborative governance principles, these platforms hold promise for scaling up local efforts to meet national and UN sustainability goals while deepening society's capacity for democratic engagement. As a framework for assessing collaborative governance platforms, this project aims to lay the conceptual foundation for transdisciplinary research by demystifying the landscape of alternatives available to practitioners and suggesting ways governments can facilitate local initiatives responding to increasing risk, uncertainty, ambiguity, and difficult tradeoffs.

Education

Ph.D. in Public Policy, Schar School of Policy and Government, George Mason University, May 2017.
Dissertation: *Tracing a Slow Emergency through Kingdon's Politics Stream: How Australia's Extreme Millennium Drought Influenced Climate Change Adaptation Governance in the 2007 Water Act*
Fields of Study: *Climate Change Adaptation, Institutional Change, Governance Networks*
M.S., Information Systems, George Mason University
B.S., *cum laude*, Math/Business, Computer Science Minor, Wake Forest University

Career History

Academic Positions

Policy Fellow and Adjunct Professor (08/2017-present)
Schar School of Policy and Government, George Mason University (01/2020-present)
Elliott School of International Affairs, George Washington University (08/2019-present)
Mason's Honors College, George Mason University (08/2017-05/2019)
Graduate Research Assistant at George Mason University (08/2008 to 05/2013), including USPS OIG in AY 2012/2013.

Selected Research Affiliations

Institute for Sustainable Development, George Mason University's (Affiliate, 1/2020-present)
Center for Resilient and Sustainable Communities, George Mason University's (Core Member, 10/2019-present)
Democratic Erosion Cross-University Consortium, (August 2019 -present)

Prior Career Positions

Independent Consultant (08/2005 to 08/2008)
Director of Research, Web Architect, and Senior Member of the Technical Staff at the not-for-profit Software Productivity Consortium and its subsidiaries: Telework Consortium and State IT Consortium (09/2000-08/2005).
Senior Associate at High Performance Technologies, Inc. (06/1999-09/2000)
Staff Systems Engineer at Lockheed Martin Corp. (12/1995-05/1999)
Software Engineer at Computer Associates Services, Inc. (12/1993-12/1995)
Independent Consultant at Practical Solutions Corp. (1986-1987)
Programmer/Analyst at Quality Systems Inc. (1984-1986)

Publications

Peer-Reviewed:

Dolan, D. 2021. Multiple Partial Couplings in the Multiple Streams Framework: The Case of Extreme Weather and Climate Change Adaptation. *Policy Studies Journal*, 49(1): 164-189.
Dolan, D. 2011. Book Review: Pragmatic Sustainability: Theoretical and Practical Tools. *Journal of Planning Education and Research* 31(3) (September): 359–361.

Dolan, D., G. Soule, J. Greeney, and J. Morris. 2010. Warming Up to Climate Action—A Survey of GHG Mitigation Through Building Energy Efficiency in City Climate Action Plans. *Carbon and Climate Law Review* (2/2010) (June): 161–172.

Nidiffer, K., and **D. Dolan**. 2005. Evolving Distributed Project Management. *IEEE Software* 22 (5) (October): 63–72.

Works in Progress:

Dolan, D. *Tracing a Slow Emergency in Kingdon's Political Stream: The Politics of Extreme Weather and Climate Change Adaptation*. Book manuscript.

Westman, L., J. Patterson, R. Macrorie, C. Orr, C. Ashcraft, V. Castan Broto, **D. Dolan**, et al. Cities under disruption: From singular to compound urban crises. (Revise and Resubmit received on Aug. 4, 2021)

Dolan, D., C. Boules, A. Albright. Collaborative Governance Platforms for Building Resilient and Sustainable Communities.

Dolan, D. Managing Resilience for Sustainability: Examining Agency beyond the MSF's Policy Entrepreneur.

Knaggård, Å., **D. Dolan**, S. Blum. Knowledge and Non-knowledge in Theories of the Policy Process.

Dolan, D. Climate Change Adaptation through Multiple Partial Couplings: A Comparative Public Policy Study of Independent MSF Cases.

Sponsored Research:

Wedel, J., N Hussain, **D. Dolan**. 2017. Political Rigging: A Primer on Political Capture and Influence in the Twenty-First Century. *Report for Oxfam America*. 78 pp.

Dolan, D. and Arling, P. 2004. Loudoun Magazine Telework Pilot: One-Month Preliminary Findings. U.S. Congressional Record: House Committee on Government Reform's Hearing on Telework Programs and Policies in the Federal Government, July 8, 2004.

Presentations & Interviews

Academic Conference Presentations:

Dolan, D. 2021. Attendee at invitation-only international seminar, *After the Deluge: How to Update our Institutions for Creeping Crisis. Looking Back, Looking Forward*, Session: Deciding in the Fog of Uncertainty. *October 27-29, Leiden, The Netherlands*. [may be Virtual due to COVID-19]

Dolan, D. 2020. Urban Governance Workshop at Earth Systems Governance annual meeting. [Virtual due to COVID-19]

Dolan, D. 2020. Managing Resilience for Sustainability: Examining Agency beyond the MSF's Policy Entrepreneur. *2nd Annual International Workshop on Public Policy (IWPP2)*, Session: W06 Policy Entrepreneurship: Past, Present, and Future. *July 1-3, Quito, Ecuador: International Public Policy Association* [Cancelled due to COVID-19]

Dolan, D. 2019. The Multi-Level Governance Challenge of Climate Change Adaptation Policymaking: Conceptual Considerations through the Lens of Multiple Streams. *4th Annual International Conference on Public Policy (ICPP4)*, Session: P10 Policy Integration for Boundary-Spanning Policy Problems: Climate Change Mitigation and Adaptation Policy. *June 26-28, Montreal, Canada: International Public Policy Association*

- Knaggård, Å., **D. Dolan**, S. Blum 2019. Knowledge and Non-knowledge in Theories of the Policy Process. *4th Annual International Conference on Public Policy (ICPP4)*, Session: T01P03 - Knowledge and Non-Knowledge in Theories of the Policy Process. June 26-28, Montreal, Canada: International Public Policy Association
- Dolan, D.** 2018. Focusing Event or Misdirection Device? Adaptation & Events in the Government. *APSA 2018 Annual Meeting & Exhibition, Aug 30– Sept 2*, In the *Science, Technology, & Environmental Politics* panel: *Mitigation and Adaptation Strategies*). Boston, MA: American Political Science Association.
- Wedel, J., **D. Dolan** (presenter), N. Hussain 2018. The Political Rigging Framework: A Research Agenda for Analyzing Who Influences Policy Decisions in the 21st Century, and How, *International Workshops on Public Policy*, Session T01W07: Bringing Policy Actors Back In. Relevance and Prospects of Actor-Centered Approaches in Policy Studies. June 26-28, Pittsburgh, PA: International Public Policy Association
- Dolan, D.** 2018. Partial Coupling, Issue Linking, and Multiple Partial Couplings. *Annual Meeting of the SPSA (CWC on Hazards and Disasters Governance)*, January 4–6. New Orleans, LA: Southern Political Science Association.
- Dolan, D.** 2017. How Does Extreme Weather Effect Climate Change Adaptation Policy Adoption? A Multiple Streams Analysis of the View from Canberra. *ANZSANA Annual Research Conference, February 22–24*. Australian Embassy in Washington, DC: Australia and New Zealand Studies Association of North America.
- Dolan, D.** 2016. How Does Extreme Weather Effect Climate Change Adaptation Policy Adoption? A Multiple Streams Analysis of the View from Canberra. *APPAM Fall Research Conference, November 3–5*. In the *Natural Resource Security, Energy and Environmental Policy Section* panel: *The Costs of Climate Change and Opportunities for Adaptation*). Washington, DC: Association for Public Policy Analysis and Management.
- Dolan, D.** 2016. How Does Extreme Weather Effect Climate Change Adaptation Policy Adoption? A Multiple Streams Analysis of the View from Canberra. *10th ECPR General Conference, Sept 1–4*, In the panel: *Theory and Evidence for Cross-Fertilization of Policy Process Theories II*). Prague, Czech Republic: European Consortium on Political Research.
- Dolan, D.** 2016. How Do Extreme Weather Events Influence Climate Adaptation Policy Windows? *APSA 2016 Annual Meeting & Exhibition, Sept 7–10*, In the *Public Policy Section* panel: *Crisis and Disaster*). Philadelphia, PA: American Political Science Association.
- Adcock, R. (GWU), Kapiszewski, D. (Georgetown), and Maxwell, J. (GMU). 2015; Panel organizers: **Dolan, D.** and Hussain, N. Perspectives on Qualitative Methods. *Advancements in Public Policy Conference, April 3*. Arlington, VA: George Mason University.
- Dolan, D.** 2015. Crisis Heuristic and Multiple Streams Analysis: Two views on Climate Change Adaptation. *NECoPA Annual Conference, Nov 7*. Arlington, VA: Northeast Conference on Public Administration.
- Dolan, D.** 2014. Institutional Crowding Effects in the Multimodal, Multilevel Governance of Climate Change Adaptation: Disentangling Policy Regime Interaction Effects in Australia's Murray-Darling Basin Region. *APSA Annual Conference, August 28–31, 2014*. In the *Federalism and Intergovernmental Relations Section* panel: *Questions of Scale in Environmental Governance*). Washington, DC: American Political Science Association.

- Dolan, D.** 2014. Inter-Institutional Crowding Out: The Impact of Hierarchies and Markets on Climate Change Adaptation Governance Networks. *IRSPM Annual Conference, April 9–11, 2014*. Ottawa, Canada: International Research Society for Public Management.
- Dolan, D.** 2013. Toward Mapping the Muddle: Emerging Frameworks for Analyzing Social-Ecological Systems. *APSA 2013 Annual Meeting & Exhibition, Power and Persuasion, Aug 29–Sept 1*, (poster presentation). Chicago, IL: American Political Science Association.
- Dolan, D.**, and T La Porte. 2013. Exploring Adaptation Policy Options: Contributions of Graduate Student Courses to Local Adaptation Efforts. *2013 National Adaptation Conference, Climate Adaptation: Knowledge + Partnerships, June 24–27*. Sydney Australia: National Climate Change Adaptation Research Facility (NCCARF).
- Ernst, H, K Akerlof, T La Porte, B Batton, M Rajaseskar, D Nataf, K Rowan, and **D Dolan**. 2012. Risky Business: Engaging the Public in Policy Discourse on Sea-Level Rise and Inundation. *2012 ASPA Annual Meeting, Representation & Renewal, Aug. 30–Sept. 2, 2012, Panel on Public Opinion on Science and the Environment*, (abstract accepted; conference cancelled due to Hurricane Isaac). New Orleans, LA: American Political Science Association.
- Dolan, D.** 2011. Emerging Climate Change Adaptation Policy Networks in the Chesapeake and San Francisco Bay Regions. *2nd World Congress on Cities and Adaptation to Climate Change, June 3–5*, (poster presentation). Bonn, Germany: ICLEI.

Other Presentations:

- Dolan, D.** and A. Albright, 2020. RaSC Frameworks to Facilitate Transdisciplinary Research. *Brown Bag Presentation, May 22, 2020*. [Webinar] Fairfax, VA: Center for Resilient and Sustainable Communities at George Mason University.
- Dolan, D.** 2014. Understanding Change Climate Adaptation Governance in Regional-Scale Social-Ecological Systems: To What Extent and in What Ways Do Central Authorities' Policies and Actions Facilitate or Constrain Climate Change Adaptation at the Local Level? *Global Change Impacts and Adaptation Program, Sept. 11, 2014*. Arlington, VA: U.S. EPA Office of Research and Development.
- Dolan, D.** 2013. Governance for Climate Change Adaptation: What Can Canberra and Washington Learn from Each Other? *Fenner Seminar August 19, 2013*. Canberra ACT, Australia: Fenner School of Environment and Society, Australian National University.
- Dolan, D.** 2012. Governance for Climate Change Adaptation: What Can Canberra and Washington Learn from Each Other? *Cities and Globalization Launch: Themes in Urban Research, March 14, 2012*. Fairfax, VA: Cities and Globalization Working Group, George Mason University.
- Dolan, D.** 2011. Climate Change Adaptation Policy Ecosystem. *Science and Technology Advisory Committee (STAC) Workshop on Monitoring Progress in Addressing Climate Change across the Chesapeake Bay Watershed, March 15-16, 2011*. Philadelphia, PA: Chesapeake Bay Program.
- Al Mink (presenter), **Dolan, D.** (author) 2005. "Innovation's Perfect Storm," Keynote presentation for Systems and Software Consortium Inc.'s Annual Member Forum

Media Interviews and Mentions:

- ABC News*: Haslett, Cheyenne. 2019. A Look at the 'Green New Deal' and Its Political Prospects. February 14. <https://abcnews.go.com/Politics/green-deal-political-prospects/story?id=61046480>.
- Newsday*: Ngo, Emily. 2019. A Look at the Green New Deal and What It Means. April 7. <https://www.newsday.com/news/nation/green-new-deal-trump-ocasio-cortez-1.29426193>.

GlobePost: Alex Graf. 2019. As Sea Level Rise Accelerates, US Coastal Communities Brace for the Inevitable. June 7. <https://theglobepost.com/2019/06/07/sea-level-rise-us/>

Mason's Honors College: O'Hara, Jimmy. 2019. What is Honors 260? Dolan's class on Climate Change and Public Policy. March 29. <https://honorscollege.gmu.edu/news/575916> *This GMU web feature highlighted how my Honors College 230/260 course facilitated the school's civic engagement curriculum transition, including student views.

Mason's Honors College: O'Hara, Jimmy. 2019. Honors College students host climate change film screening and panel discussion. April 26. <https://honorscollege.gmu.edu/news/576661>

Funding and Grants

National & International Grants:

U.S. National Science Foundation, EAPSI program: *Governance for Climate Change Adaptation in Complex, Crossboundary, Social-Ecological Systems*, PI: D. Dolan, GMU. Awarded 2013, \$5,000.

Virginia Sea Grant, Mid-Atlantic Sea Level Rise & Inundation: *Community Adaptation to Sea-Level Rise (CASI)*, PI: T. La Porte, GMU. Awarded 2011, \$135,000.

University Grants:

George Mason University Curriculum Impact Grant: *Honors College Civic Engagement*. PI: John Woolsey, GMU. Awarded 2018-2019, \$25,000.

George Mason University: *Provost's Dissertation Completion Award*. Awarded 2016, \$10,000.

GMU Center for Global Studies: *Working Group Award for Global Frontiers of Research Methods*. PI: J. Wedel, George Mason University. Awarded 2014, \$1,500.

Proposals (not awarded):

American Political Science Association, Centennial Center Research Grant Program, submitted June 30, 2020. PIs: D. Dolan, Fengxiu Zhang

U.S. National Science Foundation, IGERT: *Program on Climate Change Adaptation Science & Policy (PoCCA)*, submitted July 1, 2011. PI: T. La Porte, GMU.

U.S. National Science Foundation, REESE: *Visual Thinking Strategies as a Method for Developing Critical Thinking Skills in a Science Context*, submitted Nov. 12, 2009. PI: A. Pekarik, Smithsonian Institution.

U.S. National Science Foundation, SciSIP: *Graduate Student Research Conference and Policy Forum*, submitted Oct. 1, 2009. PI: D. Hart, GMU.

Teaching Experience

Graduate Teaching:

Public Policy Process —Public Administration 540 [3 sessions]
Instructor and course development for a 3-credit graduate course, Spring 2020, Spring and Fall 2021. Arlington, VA: George Mason University.

Advanced Qualitative Methods —International Affairs 6118 [1 session]
Instructor and course development for a 3-credit graduate course, Fall 2019. Washington, DC: George Washington University.

IA Research Methods —International Affairs 2101 [1 session]

Instructor and course development for a 3-credit undergraduate course, Spring 2021. Washington, DC: George Washington University.

- Public Policy Process—Public Administration 763* [1 session]
Guest Lecturer for Prof. Thomas Birkland, Fall 2017, on the topic: Multiple Streams and the Case of the Australia's 2007 Water Act. Raleigh, NC: North Carolina State University.
- Culture and Public Policy—Public Policy 800* [5 sessions]
Guest Lecturer for Prof. Janine Wedel, Fall 2018, 2017 and 2016, on the topic: Cultures of Research and Academia, Putting Theoretical and Methodological Knowledge to Work, and Fall 2014 on Research Design & Tips from the Trenches. Guest Lecturer and Guest Speaker host for Prof. Jack Goldstone, Fall 2011. Hosted guest speakers and led class discussion on the topic of Writing Course Research Papers. Arlington, VA: George Mason University.
- Advanced Field Methods for Policy Research—Public Policy 791* [5 sessions]
Guest Lecturer for Prof. Janine Wedel, Spring 2018, 2017, and 2015, on the topic: Theory-Oriented Case Studies. Spring 2014 and 2013 on the topic: Research Design & Tips from the Trenches. Arlington, VA: George Mason University.
- Research Design for Public Policy—Public Policy 801* [4 sections]
Teaching Assistant for Prof. Robin (Siona) Listokin-Smith, Fall 2012 and 2011, and for Prof. Jack Goldstone, Fall 2010 and 2009. This is the introductory course for the PhD program. Advised students, assisted class discussions, and hosted guest speakers. Initiated and organized "survival tips" discussion featuring a panel of advanced students on the topic: Networking, Faculty Committees, and the Field Statement. Arlington, VA: George Mason University.
- Climate Change Governance and Policy—Public Policy 710* [5 sections]
Teaching Assistant for Prof. Todd La Porte, Spring 2014, 2013, 2012, 2011, and 2010. Assisted with course development, delivery and refinement, led class discussions, and incorporated classroom technology (including virtual participation from outside guest speakers). Arlington, VA: George Mason University.
- Governance and the Policy Processes—Public Policy 502* [1 section]
Teaching Assistant for Prof. Mark Rozell, Summer 2012. This course provides a graduate-level foundation for understanding governance from a U.S. and international perspective. Assisted with development and delivery of this primarily online course. Arlington, VA: George Mason University.
- Managerial Economics and Policy Analysis—Public Policy 720* [2 sessions]
Class assistant for Prof. Phillip Auerswald, Fall 2010. Led peer study sessions and proctored exams. Arlington, VA: George Mason University.
- Theory and Practice in Public Policy - Public Policy 700* [2 sessions]
Guest Lecturer for Prof. Catherine Rudder, Fall 2009. Topic: Professional Presentations. Arlington, VA: George Mason University.

Undergraduate Teaching:

- International Affairs Research Methods —International Affairs 2040* [1 session]
Instructor for a 3-credit undergraduate course, Spring 2021. Washington, DC: George Washington University.
- Public Policy Challenges: Climate Change Adaptation in Advanced Democracies —Honors College 230/260* [2 sessions]
Instructor and course development for a 3-credit course, Spring 2018 and 2019. Introduces advanced undergraduates to climate change adaptation as a long-term governance challenge for

advanced democracies. Through scholarly research, students investigate adaptation as a public policy problem, examine actual policies as potential solutions to the problem, and analyze the politics that surround efforts to adopt these policies. Fairfax, VA: George Mason University.

Research Methods – Honors College 110

[2 sessions]

Instructor and course customization for a 4-credit course, Fall 2017 and 2018. Introduces high-potential undergraduates to research practices at the college level. Students pose and pursue focused research questions to write and present scholarly essays, research proposals, or standalone literature reviews. Fairfax, VA: George Mason University.

Professional Service

GMU Member of Teaching Innovation Working Group and contributor to shared guidance report. Elliott School of International Affairs.

IPPA Panel Organizer for T01P03 - Knowledge and Non-Knowledge in Theories of the Policy Process at the 4th Annual International Conference on Public Policy (ICPP4) in Montreal, Canada, 2019. International Public Policy Association (IPPA)

GMU Faculty Advisor for Student-Organized event, “*When the Ice Melts*” *Film Screening of Thule-Tuvalu and Panel Discussion*, with Dr. Andrew Light, Dr. James Kinter, Ali Rezaie, and Virginia State Delegates David Reid and Paul Krizek, organized by Dr. Dolan’s HNRS230 course. Honors College, GMU <https://honorscollege.gmu.edu/news/576661>

GMU Global Frontiers of Research Methods (GFRM): Co-founder and co-lead for the interdepartmental faculty/student methods forum, 2013–2015. Developed new program (initially titled “Methods Forum”) launched in Jan. 2014, later funded as a working group of the Provost-level Center for Global Studies. Activities included weekly symposiums, lecture series with well-known methods scholars, coordination of departmental memberships for methods training and development, and funding for these activities.

Science and Technology in Society Consortium: Vice Chair of Outreach for the STGlobal.org graduate conference 2010–2011; organizing committee member 2009–2011. <http://www.stglobal.org>

UVA Bay Game University User Group, George Mason University’s representative, 2011. Organized Earth Day 2011 multi-university gameplay for this participatory simulation of science and policy dynamics in the Chesapeake Bay watershed. <http://www.virginia.edu/baygame/consortium/>

GMU Faculty Committee on Distance Learning, student representative 2010–2011.

GMU Public Policy Film Series, Climate & Energy Advisor to student-run organization in 2010–2011.

PhD Workshop Committee member, School of Public Policy, 2009–2010.

Honors, Awards, Recognition, and Competitive Appointments

George Mason University, February 2020. Recognized by Mason’s New Student and Family Programs for receiving survey feedback from students and families, for having a “positive influence on their student’s success at Mason.”

Honors College Census, Dec 2017 & 2018. Selected as favorite instructor by several first year Honors College students.

Institute for Qualitative and Multi-method Research (IQMR), June 16–27 2014. Selected by GMU faculty to attend this intensive two-week training on leading-edge research methodology and techniques. IQMR is sponsored by the Consortium on Qualitative Methods and held at the Maxwell School of Citizenship and Public Affairs, Syracuse University.

SESYNC Graduate Scholars Program. Competitively selected to work with scholars at the National Socio-Environmental Synthesis Center, a research center supported by the US National Science Foundation. Awarded June 2012 for a one-year theme identification program.

“Preparing for Careers in the Academy” Participant (PROV 701), 2011–2012. Competitively selected to attend the seminar sponsored by GMU’s Office of the Provost and the GMU Center for Teaching Excellence.

Osher Lifelong Learning Institute’s Friends of OLLI Scholarship, Fall 2011. Selected by the School of Public Policy faculty and staff.

Professional Memberships

American Political Science Association (APSA)

Association for Public Policy Analysis and Management (APPAM)

European Consortium on Political Research (ECPR)

Earth Systems Governance (ESG) Project (*Research Fellow application submitted*)

Future Earth – member of global research consortium

International Public Policy Association (IPPA)

Southern Political Science Association (SPSA)