

# Curriculum Vitae

Adam Douglas Henry, Ph.D.  
Professor, School of Government & Public Policy  
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## Chronology of Education

Ph.D., Transportation Technology and Policy, University of California, Davis (2009)  
**Dissertation Chair:** Paul Sabatier, University of California, Davis  
**Dissertation Title:** “Tying it All Together: Networks and Policy-Oriented Learning in Regional Planning Processes.”

M.S., Transportation Technology and Policy, University of California, Davis (2005)

Postgraduate Certificate, Johns Hopkins University - Nanjing University Center for Chinese and American Studies (09/2001 - 06/2002)

B.S., Mathematics, Washington and Lee University (2000)

B.A., East Asian Studies, Washington and Lee University (2000)

Student, Biosphere 2 Center, Columbia University (01/1997 – 05/1997)

## Chronology of Academic Employment

08/2020 – present    **Professor**, School of Government and Public Policy, University of Arizona

08/2015 – 08/2020    **Associate Professor**, School of Government and Public Policy, University of Arizona

08/2012 – 08/2015    **Assistant Professor**, School of Government and Public Policy, University of Arizona

08/2009 – 08/2012    **Assistant Professor**, Division of Public Administration, West Virginia University

09/2007 – 08/2009    **Doctoral Research Fellow**, Sustainability Science Program, Harvard University

09/2008 – 12/2008    **Lecturer**, Department of Political Science, Boston University

## Honors and Awards

2019 Provost's Distinguished Scholar Award, University of Arizona

*Awarded to two mid-career faculty at the University of Arizona, in recognition of contributions to the teaching, research, and outreach priorities set out in the University's Strategic Plan.*

## Graduate Advisors and Sponsors

William Clark, Harvard University

David Lazer, Northeastern University

Mark Lubell, University of California, Davis

Elinor Ostrom, Indiana University

Paul Sabatier, University of California, Davis

## Selected Publications

Melanie Nagel, Keiichi Satoh, & Adam Douglas Henry (2023). "Network Analysis of Scientific Advisory Committee Integration in Climate Change Policy: A Comparison of Germany and Japan." *PLOS Climate*, 2(6): e0000222.

<https://doi.org/10.1371/journal.pclm.0000222>.

Lena Berger, Adam Douglas Henry, & Gary Pivo. 2023. "Orienteering the Landscape of Urban Water Sustainability Indicators." *Environmental and Sustainability Indicators*, 17: 100207. <https://doi.org/10.1016/j.indic.2022.100207>

Adam Douglas Henry (2023). Evaluating Collaborative Institutions by Segregation and Homophily in Policy Networks. *Public Administration*, 101(2): 604–621.

<https://doi.org/10.1111/padm.12800>

Gary Pivo, Adam Douglas Henry, Lena Berger, & Edna Liliana Gomez-Fernandez (2021). Organizational Networks and Sustainable Urban Water Practices in US Local Governments. *Water Policy*, wp2021191. <https://doi.org/10.2166/wp.2021.191>

Heike Brugger & Adam Douglas Henry (2021). "Influence of Policy Discourse Networks on Local Energy Transitions." *Environmental Innovation and Societal Transitions*, 39: 141-154.

Lena Berger, Adam Douglas Henry, & Gary Pivo (2021). Role of City Collaboration Networks in the Acceleration and Attenuation of Integrated Water Management. *Water Policy*, 23(2), 222–238. <https://doi.org/10.2166/wp.2021.223>

Adam Douglas Henry (2020). "Meeting the Challenge of Learning for Sustainability Through Policy Networks." *Human Ecology Review*, 26(2): 171-193.

Adam Douglas Henry, Thomas Dietz, & Robin L. Sweeney. (2020). "Coevolution of Networks and Beliefs in U.S. Environmental Risk Policy." *Policy Studies Journal*, forthcoming.

Gary Pivo, Adam Douglas Henry, & Lena Berger (2020). "Essential Elements at Play in Local Environmental Policy Change: A Guide for the Perplexed." *Environmental Science & Policy*, 106 (April): 240–49.

- Emily V. Bell, Adam Douglas Henry, & Gary Pivo (2020). "Assessing Sectoral Heterogeneity and Leadership in Urban Water Management Networks." *Water Policy*, forthcoming.
- Lena Berger, Adam Douglas Henry, & Gary Pivo (2020). "Integrated Water Management Recommendations in Practice: Coexistence of Old and New Ways in Arizona." *Water Policy*, 22(4): 501-518.
- Christopher M. Weible, Karin Ingold, Daniel Nohrstedt, Adam Douglas Henry, & Hank C. Jenkins-Smith (2019). "Sharpening Advocacy Coalitions." *Policy Studies Journal*, 48(4): 1054-1081.
- Björn Vollan and Adam Douglas Henry (2019). "Diversity in Decision-Making." *Nature Climate Change*, 9(4): 258-259.
- Heike I. Brugger and Adam Douglas Henry (2019). "Equity of Incentives: Agent-Based Explorations of How Social Networks Influence the Efficacy of Programs to Promote Solar Adoption." *Complexity*, 2019: 1-15.
- Adam Douglas Henry (2018). "Learning Sustainability Innovations." *Nature Sustainability*, 1(4): 164-165.
- Adam Douglas Henry, Andreas Egelund Christensen, Rebecca Hofmann, Ivo Steimanis, and Björn Vollan (2017). "Influence of Sea Level Rise on Discounting, Resource Use and Migration in Small-Island Communities: An Agent-Based Modelling Approach." *Environmental Conservation*, 44(4): 381-388.
- Varun Rai and Adam Douglas Henry (2016). "Agent-Based Modelling of Consumer Energy Choices." *Nature Climate Change*, 6(6): 556-562.
- Ayşe Bener, Bora Çağlayan, Adam Douglas Henry, Marek Lipczak, and Paweł Pralat (2016). "Empirical Models of Social Learning in a Large, Evolving Network." *PLOS ONE*, 11(10): e0160307.
- Adam Douglas Henry, Dieter Mitsche, and Paweł Pralat (2016). "Homophily, Contagion and the Decay of Segregation in Self-Organizing Networks." *Network Science*, 4(1): 81-116.
- Adam Douglas Henry, Karin Ingold, Daniel Nohrstedt, and Christopher Weible (2014). "Policy Change in Comparative Contexts: Applying the Advocacy Coalition Framework Outside of Western Europe and North America." *Journal of Comparative Policy Analysis*, 16(4): 299-312.
- Adam Douglas Henry and Björn Vollan (2014). "Networks and the Challenge of Sustainable Development." *Annual Review of Environment and Resources*, 39(1): 583-610.
- Adam Douglas Henry (2014). "The Challenge of Statistics Education in Master of Public Administration Programs: A Review of Two Popular Textbooks." *Journal of Public Administration Research and Theory*, 24(1): 235-243.
- Elisabeth R. Gerber, Adam Douglas Henry, & Mark Lubell (2013). "Political Homophily and Collaboration in California Regional Planning Networks." *American Journal of Political Science*, 57(3): 598-610.
- Adam Douglas Henry & Paweł Pralat (2013). "Discovery of Nodal Attributes through a Rank-Based Model of Network Structure." *Internet Mathematics*, 9(1): 33-57.

- Adam Douglas Henry, Mark Lubell, & Michael McCoy (2012). "Survey-Based Measurement of Public Management and Policy Networks." *Journal of Policy Analysis and Management*, 31(2): 432-452.
- Adam Douglas Henry & Thomas Dietz (2012). "Understanding Environmental Cognition." *Organization & Environment*, 25(3): 238-258.
- Adam Douglas Henry & Björn Vollan (2012). "Risk, Networks, and Ecological Explanations for the Emergence of Cooperation in Commons Governance." *Rationality, Markets and Morals*, 3: 130-147.
- Adam Douglas Henry, Pawel Pralat, & Cun-Quan Zhang (2011). "Emergence of Segregation in Evolving Social Networks." *Proceedings of the National Academy of Sciences*, 108(21): 8605-8610.
- Adam Douglas Henry (2011). "Ideology, Power and the Structure of Policy Networks." *Policy Studies Journal*, 39(3): 361-383.
- Adam Douglas Henry, Mark Lubell, & Michael McCoy (2011). "Belief Systems and Social Capital as Drivers of Policy Network Structure: The Case of California Regional Planning." *Journal of Public Administration Research and Theory*, 21(3): 419-444.
- Adam Douglas Henry & Thomas Dietz (2011). "Information, Networks, and the Complexity of Trust in Commons Governance." *International Journal of the Commons*, 5(2): 188-212.
- Adam Douglas Henry & Pawel Pralat (2011). "Rank-Based Models of Network Structure and the Discovery of Content." *Lecture Notes in Computer Science*, 6732: 62-73.
- Christopher M. Weible, Paul A. Sabatier, Hank C. Jenkins-Smith, Daniel Nohrstedt, Adam Douglas Henry, & Peter deLeon (2011). "A Quarter Century of the Advocacy Coalition Framework: An Introduction to the Special Issue." *Policy Studies Journal*, 39(3): 349-360.
- Mark Lubell, Adam Douglas Henry, & Michael McCoy (2010). "Collaborative Institutions in an Ecology of Games." *American Journal of Political Science*, 54(2): 287-300.
- Adam Douglas Henry (2009). "The Challenge of Learning for Sustainability: A Prolegomenon to Theory." *Human Ecology Review*, 16(2): 131-140.
- Thomas Dietz & Adam Douglas Henry (2008). "Context and the Commons." *Proceedings of the National Academy of Sciences*, 105(36): 13189-13190.
- Adam Douglas Henry (2000). "Public Perceptions of Global Warming." *Human Ecology Review*, 7(1): 25-30.

## Grants and Contracts

***Please note: Includes only federal grants and contracts.***

"Solving Grand Challenges in Coupled Natural Human Systems: Predicting Effective Governance Strategies for Managing Invasive Species."

Funding institution and program: U.S. National Science Foundation (NSF), Coupled Human and Natural Systems (CNH-L) program, award #1924016.

Collaborators: Elizabeth Baldwin (University of Arizona), Mitchel McClaran (University of Arizona), Elise Gornish (University of Arizona), Aaron Lien (University of Arizona).

Award value: \$1,580,012.

Award period: 01/2020 – 12/2024.

“Understanding Adoption of Sustainable Urban Water Solutions.”

Funding institution and program: U.S. National Science Foundation (NSF) Sustainability Research Network (SRN) Cooperative Agreement #1444758: Urban Water Innovations Network (UWIN).

Collaborators: Gary Pivo (University of Arizona).

Award value: \$1,026,883.

Award period: 08/2015 – 07/2020.

“Coupled Networks in Urbanized Landscapes: Linking Ecosystem Services and Governance for Water Sustainability.”

Funding institution and program: U.S. National Science Foundation (NSF), Coupled Human and Natural Systems (CNH-L) program, award #1518376.

Collaborators: Andrea Gerlak (University of Arizona), Thomas Meixner (University of Arizona), Mitchell Pavao-Zuckerman (University of Maryland).

Award value: \$1,798,784.

Award period: 07/2015 – 06/2020.

“Knowledge Spillovers and Cost Reductions in Solar Soft Costs.”

Funding institution and program: Department of Energy SEEDS (Solar Energy Evolution and Diffusion Studies) Program.

Award value: \$179,301 to University of Arizona (under University of Texas, Austin subcontract).

Award period: 01/2018 – 12/2019.

“Understanding the Evolution of Customer Motivations and Adoption Barriers in Residential Photovoltaics Markets.”

Funding institution and program: Department of Energy SEEDS (Solar Energy Evolution and Diffusion Studies) Program (funding agency; prime contract #DE-AC36-08GO28308) and the National Renewable Energy Lab (lead organization).

Award value: \$365,897 to University of Arizona (under NREL subcontract #XXL3-23452-02).

Award period: 03/2013 – 06/2016.

“The U.S. Environmental Risk Policy Network.”

Funding institution and program: National Science Foundation, Decision, Risk, and Management Sciences (DRMS) program, award numbers 1300976 and 1124172.

Collaborator: Thomas Dietz (Michigan State University).

Award value: \$151,658 (to WVU, Award #1300976); \$111,948 (to UofA, Award #1124172)

Award period: September 2011 – August 2014.

## Invited Talks, Training, and Workshops

*Please note: Selected activities only; conference presentations are excluded.*

06/2016 – 07/2022 Singapore	<b>Course Instructor</b> , IPSA-NUS Summer Methods School. Network Analysis I and II. <i>Designed and taught two independent one-week courses on social and political network analysis; methods school co-convened by the National University of Singapore (NUS) and the International Political Science Association (IPSA).</i>
04/2019 University of Arizona Tucson, Arizona	<b>Workshop Instructor</b> , Computational Social Science Program, Workshop on Methods for Computational Politics. Statistical Network Models.
03/2019 University of Arizona Tucson, Arizona	<b>Speaker</b> , Center for Climate Adaptation Science and Solutions. “Network Drivers of Local Water Sustainability Innovations.”
09/2018 Arizona State University Phoenix, Arizona	<b>Workshop Participant</b> , Sloan Foundation Workshop on Engineering and Public Policy. <i>Convened by School of Public Affairs (Arizona State University) and Maxwell School of Citizenship and Public Affairs (Syracuse University).</i>
05/2018 Lee Kuan Yew School of Public Policy Singapore	<b>Workshop Instructor</b> , 2018 Public Management Research Conference Pre-Doctoral Workshop. Network Analysis.
09/2017 Ayacucho, Peru	<b>Speaker</b> , Congreso Peruano Agua-Andes: Diálogos Ciencia-Política para el Desarrollo Sostenible (Science-Policy Dialogues for Sustainable Development). “Contributions of Social Network Analysis to Understand Water Sustainability.”
07/2017 University of Konstanz Konstanz, Germany	<b>Plenary Speaker</b> , 2017 POLNET+ Political Networks Conference. “Learning in a Segregated World.”
07/2017 University of Konstanz Konstanz, Germany	<b>Workshop Instructor</b> , 2017 POLNET+ Political Networks Conference. “Agent-Based Modeling of Dynamic Networks.” <i>Designed and delivered one-day conference workshop on agent-based modeling in R.</i>
12/2016 University of Montreal Montreal, Canada	<b>Plenary Speaker</b> , 2016 Workshop on Algorithms for the Web Graph (WAW) Annual Meeting. “Social Learning in a Segregated World.”