

Gemma Smith

Assistant Professor, School of Government and Public Policy
Assistant Research Professor, Udall Center for Studies of Public Policy

Curriculum Vitae (Updated Jan 2024)

E: gemmasmith@arizona.edu

EDUCATION

- 2018 – 2023 **PhD in Environment & Resources, Stanford University**
PhD Minor in Civil & Environmental Engineering
Co-advisors Dr Bruce Cain, Department of Political Science, and Dr David Freyberg, Department of Civil & Environmental Engineering.
Dissertation title: “Designing Diplomacy: The Use of Collaborative Governance in Transboundary Rivers”
- 2016 – 18 **MIP in International Policy, Stanford University**
- 2015 – 16 **Graduate Diploma in Political Science, London School of Economics and Political Science**
- 2009 – 13 **BA in English Literature and Spanish, University of Exeter**
First Class Honours with Distinction

RESEARCH INTERESTS

Environmental Governance, Policy and Justice, Water Governance, Global and Transboundary Institutions, Local Government, Institutional Analysis, Collaborative Governance, Climate Change Adaptation, Environmental Impact Assessment

PUBLICATIONS

- 2022 Yoder, L., Hammond Wagner, C., Sullivan-Wiley, K., **Smith, G.** 2022. The promise of collective action for large-scale commons dilemmas: reflections on common-pool resource theory. *International Journal of the Commons*, 16(1): 47 – 63. <http://doi.org/10.5334/ijc.1163>
- 2021 Hui, I., and **Smith, G.** 2021. Private Citizens, Stakeholder Groups, or Governments? Perceived Legitimacy and Preferred Representation in Water Collaborative Governance. *Policy Studies Journal*, 50(1): 241 – 265. <https://doi.org/10.1111/psj.12453>
- 2021 Santana, F.N., Hammond Wagner, C., Berlin Rubin, N., Bloomfield, L., Bower, E.R., Fischer, S.L., Santos, B.S., **Smith, G.**, Muraida, C.T., Wong-Parodi, G. 2021. A Path Forward for Qualitative Research on Sustainability in

the COVID-19 Pandemic. *Sustainability Science*, 16: 1061 – 1067.
<https://doi.org/10.1007/s11625-020-00894-8>

- 2020 **Smith, G.**, Bayldon Block, L., Ajami, N., Pombo, A., Velasco Aulcy, L. 2020. Trade-offs Across the Water-Energy-Food Nexus: A Triple Bottom Line Sustainability Assessment of Desalination for Agriculture in the San Quintin Valley, Mexico. *Environmental Science and Policy*, 114: 445 – 452.
<https://doi.org/10.1016/j.envsci.2020.08.008>
- 2019 Hui, I., **Smith, G.**, and Kimmel, C. 2019. Think Globally, Act Locally: Adoption of Climate Action Plans in California. *Climatic Change*, 155: 489 – 509. <https://doi.org/10.1007/s10584-019-02505-7>

GRANTS, AWARDS & FELLOWSHIPS

- 2022 Stanford University: Gerald J. Lieberman Fellowship (\$65,088)
- 2022 Stanford University: E-IPER Field Research Grant (\$1,500)
- 2022 Stanford University: SE3 Field Research Grant (\$780)
- 2021 Stanford University: Woods Institute Rising Environmental Leaders Fellow
- 2021 World Water Week Youth Networking Award (€65)
- 2020 Stanford University: E-IPER Field Research Grant (\$1,819)
- 2020 California Water Policy Conference Scholarship (\$125)
- 2019 Stanford University: E-IPER Field Research Grant (\$2,558)
- 2019 Stanford University: SE3 Field Research Grant (\$3,227)
- 2019 Stanford University: Tinker Field Research Grant, Center for Latin American Studies (\$1,609)
- 2019 Stanford University: Freeman Spogli Institute Conference Grant (\$500)
- 2019 Stanford University: School of Earth, Energy and Environment Research Review, Winner Best Lightning Talk
- 2018 Stanford University: William C. and Jeanne M. Landreth Fellowship (\$325,000)
- 2017 Stanford University: Bill Lane Center for the American West, Graduate Research Fellow
- 2017 Stanford University: Young Environmental Scholars Conference, Winner Best Poster

2016 University of London: Outstanding Academic Achievement Award

CONFERENCES

Presentations

- 2022 Local government leadership in international collaborative governance. Transatlantic Dialogue 16, Copenhagen
- 2021 Making the local, global: subnational actor roles in binational water governance. American Political Science Association, Seattle
- 2021 What Role for Local Government in International Policy? Governing Water Quality on the US-Canada and US-Mexico Borders. Western Political Science Association, Virtual
- 2019 Think Globally, Act Locally: Adoption of Climate Action Plans in California. Western Political Science Association, San Diego
- 2019 Think Globally, Act Locally: Adoption of Climate Action Plans in California. School of Earth, Energy and Environment Research Review, Stanford

Panels Organized

- 2021 Advancing the study of collective action in agricultural water commons: theoretical fits, misfits, and opportunities to draw on parallel theories. Panelist. International Association for the Study of the Commons Water Commons, Virtual
- 2019 Smarter Communities, Climate Change, and Quality of Life. Organizer and workshop facilitator. Stanford-USAID Mexico Clean Economy 2050, Monterrey, Mexico
- 2019 Applying Collective Action Theory to Agricultural Water Management: Challenges and Opportunities for Protecting Water Quality. Discussant. Workshop on the Ostrom Workshop 6, Bloomington, Indiana

Posters

- 2019 Collaborative Governance Across International Borders: A Comparative Case Study of the Tijuana River and Red River of the North Watersheds. American Geophysical Union Fall Meeting, San Francisco
- 2019 Collaborative Governance Across International Borders: A Comparative Case Study of the Tijuana River and Red River of the North Watersheds. Young Environmental Scholars, Stanford

- 2018 Think Globally, Act Locally: Adoption of Climate Action Plans in California. Young Environmental Scholars, Stanford
- 2017 The Summen Project: Place-based education and outreach using California Redwoods as a flagship species. Young Environmental Scholars, Stanford

TEACHING & MENTORSHIP

- 2021 – 22 Undergraduate research supervisor in qualitative data coding, GIS, and interviewing fieldwork. With Dr Bruce Cain.
- 2021 Instructor of Record: [International Environmental Governance](#). Undergraduate and Graduate.
- 2021 Teaching Assistant: Water Resources and Hazards (Civil & Environmental Engineering)
With Dr David Freyberg. Undergraduate and Graduate.
- 2020 Teaching Assistant: Watershed Hydrologic Processes & Models (Civil & Environmental Engineering).
With Dr David Freyberg. Undergraduate and Graduate.
- 2018 Teaching Assistant: International Trade Economics (International Policy).
With Dr Chonira Aturupane. Graduate.
- 2017 Teaching Assistant: Macroeconomics (International Policy).
With Dr Chonira Aturupane. Graduate.
- 2017 Undergraduate research supervisor in interviewing fieldwork and qualitative data coding. With Dr Nicole Ardoin.

RESEARCH EXPERIENCE

- 2018 – 22 Graduate Research Associate. With Dr Bruce Cain and Dr David Freyberg.
- 2017 Graduate Research Associate. Leadership Academy for Development with Dr Francis Fukuyama.

POLICY & IMPACT

- 2023 Stanford University Representative, UN Water Conference 2023, New York
- 2022 Policy Brief Author, “*Monitoring water quality in the transboundary rivers of Bangladesh*,” The World Bank
- 2021 – 22 Woods Institute Rising Environmental Leaders Fellow, Stanford University

- 2020 – 22 Consultative Group Member, “*Implementing Transboundary Cooperation to Foster Peace and Prevent Conflicts*,” 9th World Water Forum
- 2017 Report Author, “*California’s water-energy relationship: the energy intensity of water supply to Southern California during drought, 2014-15*”, California Energy Commission. With Dr Christine Jojarth.
- 2017 Report Author, “*Navigating a Flood of Information: Evaluating and Integrating Climate Science into Groundwater Planning in California.*” Union of Concerned Scientists. With Dr Leon Szeptycki, Dr Tara Moran, Dr Juliet Christian-Smith, and Dr Geeta Persad.

SERVICE

Department and School

- 2022 Organizer and facilitator, graduate project management workshop
- 2021 – 22 Departmental Alumni Outreach Ambassador
- 2020 Departmental Admissions Diversity, Equity, and Inclusion Working Group
- 2020 International Student Outreach, Pertenece/ YouBelong Stanford
- 2018 – 19 Departmental Student Committee Leadership

Reviewing and Editing

- 2021 – 22 Reviewer, Journal of Hydrology
- 2017 Editor and Marketing Director, Stanford International Policy Review

PROFESSIONAL EMPLOYMENT

- 2013 – 16 Fidelity International: Global Program Manager (promoted from Graduate Associate)
Madrid, London, Luxembourg, Tokyo

PROFESSIONAL MEMBERSHIPS

American Political Science Association
American Geophysical Union
International Association for the Study of the Commons

LANGUAGES

English Native fluency in speaking, reading, and writing

Spanish	Professional fluency in speaking, reading, and writing
French	Advanced proficiency in speaking, reading, and writing (to UK A-level standard)
Mandarin	Beginner proficiency in speaking, reading, and writing (working towards UK GCSE standard)

SKILLS

Computer skills	R, Stata, LaTeX, Python, QGIS, Github, NVivo
Research skills	Design and implementation of interviews and surveys; qualitative coding; regression and related statistical analysis; hydrologic data analysis including stochastic modelling; GIS