

# 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)

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## 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*,” 9<sup>th</sup> 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

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

## **SKILLS**

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