

Mattia Caldarulo

Arizona State University, School of Public Affairs, 411 N. Central Avenue, Phoenix (AZ) 85004
Mobile: 6028845375 | Skype: maldabo | Email: mcaldaru@asu.edu | Twitter: @MCaldarulo |
Website: <https://mattiacaldarulo.godaddysites.com/>

Education

Arizona State University, School of Public Affairs
Ph.D. in Public Administration and Policy, GPA: 4.00

Phoenix, USA
Aug. 2019 – Exp. 2023

Dissertation: “Opening the black box: Exploring public sector organizations’ perception, interpretation and understanding of extreme weather events”

Committee: Eric W. Welch (Chair – ASU), Mary K. Feeney (ASU), Justin M. Stritch (ASU), Gordon Kinglsey (Georgia Institute of Technology)

Bocconi University – Fudan School of Management (Double degree program)
MSc in International Management, Double Degree Program with Fudan School of Management

Shanghai, PRC – Milan, Italy
Sep. 2015 – Jul. 2017

Bocconi University
Bachelor of Science in Business Administration and Management

Milan, Italy
Sep. 2012 – Jul. 2015

Other research & teaching training

University of Michigan
International Consortium for Political Science Research (ICPSR).
Categorical Data Analysis.

Ann Arbor, USA
Jul. 2022 – Aug. 2022

Rotterdam School of Management
University undergraduate exchange program, “Erasmus +”

Rotterdam, The Netherlands
Sep. 2014 – Dec. 2014

London School of Economics
Marketing Management Summer School at LSE

London, UK
Jul. 2014

Research Interests

Public Management, Risk management, Technology in government, Cyber-security, Decision-making processes, Climate change, Government data sharing, Science and technology policy

Publications

Peer-Reviewed Articles

1. **Caldarulo, M.**, Welch, E. W. (2023). Public agencies’ risk perception: The role of contracting and scientific and professional information. *Public Management Review*. <https://doi.org/10.1080/14719037.2023.2191629>
2. **Caldarulo, M.**, Mossberger, K., & Howell, A. (2023). Community-Wide Broadband Adoption and Student Academic Achievement. *Telecommunications Policy*. <https://doi.org/10.1016/j.telpol.2022.102445>
3. Welch, E. W., Johnson, T. P., Chen T., Ma, J., Islam, S., Michalegko, L., **Caldarulo, M.**, Frandell, A. (2023). How Scientists View Vaccine Hesitancy. *Vaccines*. <https://doi.org/10.3390/vaccines11071208>
4. **Caldarulo, M.**, Welch, E. W., & Feeney, M. K. (2022). Determinants of cyber-incidents among small and medium US cities. *Government Information Quarterly*. <https://doi.org/10.1016/j.giq.2022.101703>

5. **Caldarulo, M.**, Olsen, J., Frandell, A., Islam, S., Johnson, T. P., Feeney, M. K., Michalegko, L., & Welch, E. W. (2022). COVID-19 and gender inequity in science: Consistent harm over time. *PLoS ONE*, 17(7). <https://doi.org/10.1371/journal.pone.0271089>
6. Johnson, T. P., Feeney, M. K., Jung, H., Frandell, A., **Caldarulo, M.**, Michalegko, L., Islam, S., & Welch, E. W. (2021). COVID-19 and The Academy: Opinions and Experiences of University-Based Scientists in the U.S. *Humanities & Social Sciences Communications*. <https://doi.org/10.1057/s41599-021-00823-9>

Book Chapters

1. Tolbert, C. J., Mossberger, K., Gaydos, N., & **Caldarulo, M.** (2022). Addressing Spatial Inequality in Broadband Use and Community-Level Outcomes. In K. Mossberger, E. W. Welch, & Y. Wu (Eds.), *Transforming Everything? Evaluating Broadband's Impacts Across Policy Areas* (1st ed., pp. 101–138). Oxford University Press. <https://doi.org/10.1093/oso/9780190082871.003.0006>

Under Review

1. **Caldarulo, M.**, Olsen, J., Feeney M. K., Cybercrime vulnerabilities: The downside of data sharing in local Government
2. **Caldarulo, M.**, Corley, E., Pezo Salazar, I., Islam, S., Welch, E. W., Historical, organizational, and individual determinants of public agency memory

Working Papers

1. **Caldarulo, M.**, Developing an organizational shared risk perception: The role of IT, learning and conflict management
2. **Caldarulo, M.** & Li, R. G., Relational and institutional elements shaping cyber-threats at the local level
3. Li, R., **Caldarulo M.**, Feeney, M. K., A tale of three worlds: Reconciling artificial intelligence research, practice, and policy
4. Welch, E. W., Fusi, F., **Caldarulo, M.**, Pham T., The Role of institutional logics in legitimizing scientific data sharing: Assessing the co-evolution of logics and sharing over the course of the COVID-19 pandemic
5. **Caldarulo, M.**, Welch, E. W., Louafi, S., Camillo, S. How the global pandemic changes data governance systems: A competing logics approach
6. Frandell, A., Islam, S., **Caldarulo M.**, Chen T., Johnson, T., Zhang, Y., Welch, E.W., Academic scientists' views on women's reproductive rights

Policy Memos

1. **Caldarulo, M.** (2020). Was the United States Prepared to Confront Covid-19? According to Scientists, It Depends. https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3643531

Conferences (*presenter)

1. Welch, E. W., Fusi, F., **Caldarulo, M.***, Pham, T., The Role of Institutional Logics in Legitimizing Scientific Data Sharing: Assessing the Co-Evolution of Logics and Sharing over the Course of the COVID-19 Pandemic. Presented at *Association for Public Policy Analysis and Management (APPAM) Conference*, November 2023.
2. **Caldarulo, M.***, Olsen, J., Feeney M. K., Cybercrime vulnerabilities: The Downside of Data Sharing in Local Government. Presented at *Seoul National University GSPA – Bocconi International Conference*, July 2023.

3. **Caldarulo, M.***, Corley, E., Pezo Salazar, I., Islam, S., Welch, E. W., Understanding the impact of different types of extreme weather events on public managers' recall capacity. Presented at *Association for Public Policy Analysis and Management (APPAM) Conference*, November 2022.
4. **Caldarulo, M.***, Olsen, J., Feeney M. K., Cybercrime vulnerabilities: The Downside of Data Sharing in Local Government. Presented at *Public Management Research Conference (PMRC)*, May 2022.
5. **Caldarulo, M.***, Welch, E. W., The Role of Intra-Organizational Coordination in Reducing the Impact of Extreme Weather Events. Presented at *Midwest Political Science Association (MPSA) Conference*, April 2021.
6. **Caldarulo, M.***, Welch, E. W., Louafi, S., Camillo, S., How the global pandemic changes data governance systems: A competing logics approach. Presented at *Association for Public Policy Analysis and Management (APPAM) Conference*, November 2020.
7. **Caldarulo, M.***, Mossberger, K., Does broadband impact children's school achievements? Presented at *Association for Public Policy Analysis and Management (APPAM) Conference*, November 2020.

Invited Presentations/Conferences (*presenter)

Caldarulo, M.*, Designing and operationalizing survey research: The SciOPS case – October 17, 2022 – Guest lecture, Course in Public Service Research Methods, Dr. Siân Mughan, Arizona State University

Teaching Experience

Instructor Public Service & Policy in the 21st Century (PAF 200) – Undergraduate Course. Arizona State University, School of Public Affairs. (Online and in-person)	Fall 2022 – Present
Teaching Assistant Public Management (PAF 520) – Graduate Course. Arizona State University, School of Public Affairs. (Online)	Summer 2020

Awards and Honors

NASPAA Emerging Scholar Award. <i>Network of Schools of Public Policy, Affairs, and Administration</i> .	Oct. 2023
Outstanding Instruction by a Doctoral Student. <i>School of Public Affairs. Arizona State University</i> .	Apr. 2023
Outstanding Doctoral Student Award. <i>School of Public Affairs. Arizona State University</i> .	Apr. 2022

Research Experience

Graduate Research Assistant, Center for Science, Technology and Environmental Policy Studies (CSTEPS)	Phoenix, USA
1. <i>CSTEPS Transit Survey 2022</i> Dr. Eric W. Welch, Dr. Elizabeth A. Corley, Dr. Justin M. Stritch	February 2022 – Present
<p>Project Manager, led project coordinating peers in developing the sample frame, designed and administered the survey, organized junior students' work during the</p>	

data cleaning process, developed the codebook and project report, managed IRB submission

2. *ECOFFEE* ([ECOFFEE](#)) Dr Eric W. Welch, Dr Selim Louafi (CIRAD) August 2021 – Present

Project Manager, led an international project to develop a governance framework for a public-private initiative whose members comprised governmental agencies, and public companies. Responsible for developing interview protocol, scheduling and conducting interviews with industry leaders, analyzing data, and presenting proposed solutions to industry leaders

3. *National Science Foundation – Rapid Grant: Linking institutional logics and data sharing to research outputs before and after SARS-CoV-2 peak infection* ([#2029936](#))–\$84,400/\$195,000 PI Dr. Eric W. Welch, Co-PI Dr. Federica Fusi, (UIC) June 2020 – Present

Project Manager, coordinated an NSF-funded global project across two universities (UIC and ASU). Led the sample frame development and the design of two global surveys, coordinated faculty and students during the survey administration and design, responsible for data cleaning and management, development of codebook and project report, managed of IRB submission

4. *Scientist Opinion Panel Survey* ([SciOPS](#)) Dr Eric W. Welch, Dr Mary K. Feeney, Dr. Tim Johnson (UIC) June 2020 – Present

Research team member, tasks included survey design, data cleaning, and drafting final report and policy memos

Graduate Research Assistant, Center on Technology, Data and Society ([CTDS](#))

5. *Venture Forward* – ([GoDaddy.com](#)) Dr. Karen Mossberger Aug. 2019 – June 2020

Research team member, tasks included data analysis to evaluate the role of the density of domain name websites on local prosperity and opportunity using a dataset of GoDaddy customers in the US. The project has been featured in the [New York Times](#) and the Brookings Institute.

Service

Ad hoc reviewer: Journal of Public Administration Research and Theory; Public Management Review; Government Information Quarterly; Information, Communication and Society; Academy of Management Conference

Conference Discussant: Midwest Political Science Association (MPSA) 2021, undergraduate student section discussant

Co-Chair and Member of the Organizing Committee: ASU – Tohoku University Joint PhD Seminar Series on Technology, Science and Innovation Policy (Sept. 2020 – Present)

Volunteer: Public Management Research Conference (PMRC), 2022

Instructor “An intro to Access”: Taught to diverse learners Access basics, covering form creation, queries, and other essential functions (Jan. 2023 – June 2023)

Research & Travel Funding

Travel Grant <i>Graduate and Professional Association (GPSA)</i> . \$950	Sept. 2022
University Graduate Fellowship. <i>ASU School of Public Affairs</i> . \$900	Aug. 2022
ICPSR Scholarship. <i>ASU School of Public Affairs</i> . \$2,500	Jul. 2022 – Aug. 2022
Education Travel Award. <i>Center for Science, Technology and Environmental Policy Studies</i> . \$1,000	Jul. 2022 – Aug. 2022
University Graduate Fellowship. <i>ASU School of Public Affairs</i> . \$605	Feb. 2022
University Graduate Fellowship. <i>ASU School of Public Affairs</i> . \$1,565	Jan. 2021
University Graduate Fellowship. <i>ASU School of Public Affairs</i> . \$804	Jul. 2020

Scholarships

Graduate Scholarship. <i>Arizona State University</i>	2019 – Present
Fondo Sostegno Giovani. <i>Bocconi University</i>	2016
Erasmus+ Scholarship. <i>European Commission</i>	2014

Languages

Italian (native); **English** (expert); **Spanish** (intermediate), **French** (beginner), **Chinese** (beginner)

IT Skills

Office Suite (excellent), **R** (advanced), **MPLUS** (intermediate), **Tableau** (intermediate), **SPSS** (intermediate)

Other Relevant Work Experiences

Deloitte Consulting

Government & Public Services: Consultant

Main tasks: PMO activities. Market and benchmark analysis. Reporting. Analysis of how to improve in terms of efficiency and effectiveness the operational processes of Italian public organizations.

Milan, Italy
Jul. 2018 – Jul. 2019

Government & Public Services: Business Analyst

Main Task: Advisory activities on the production processes and procurement of Italian public administration. Cost-benefit analyses. Compliance activities

Milan, Italy
Nov. 2017 – Jul. 2018

PwC Italy

Transfer Pricing: Analyst

Local file and Masterfile drafting complying with OECD guidelines; fiscal planning; scenario analysis

Milan, Italy
Feb. 2017 – Nov. 2017