Mattia Caldarulo

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Education

Arizona State University, School of Public Affairs   **Phoenix, USA**
Ph.D. in Public Administration and Policy, GPA: 4.00   Aug. 2019 – Exp. 2023

Dissertation: "*Opening the black box: Exploring risk perceptions heterogeneity in public sector organizations*"

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

Fudan School of Management- Bocconi University Double degree   **Shanghai, PRC – Milan, Italy**
MSc in International Management, Double Degree Program with Fudan School of   Sep. 2015 – Jul. 2017

Management

Thesis: *"Development of a framework for rating international middleweight European cities' competitiveness from their citizens' perspectives"*
Grade: 110 cum laude/110

Bocconi University   **Milan, Italy**
Bachelor of Science in Business Administration and Management   Sep. 2012 – Jul. 2015

Thesis: *Concentric diversification and external growth: the case BV TECH*

Other research & teaching training

University of Michigan   **Ann Arbor, USA**
International Consortium for Political Science Research (ICPSR).   Jul. 2022 – Aug. 2022
Categorical Data Analysis.

Rotterdam School of Management   **Rotterdam, The Netherlands**
University undergraduate exchange program, "Erasmus +"   Sep. 2014 – Dec. 2014

London School of Economics   **London, UK**
Marketing Management Summer School at LSE   Jul. 2014

Research Interests

Public Management, Risk management and risk perceptions in public agencies, Cyber-security and technology in government, Decision-making processes of public sector organizations, 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. (2022). Community-Wide Broadband Adoption and Student Academic Achievement. *Telecommunications Policy*. https://doi.org/10.1016/j.telpol.2022.102445

3. **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

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. 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

Working Papers

1. **Caldarulo, M.**, Olsen, J., Feeney M. K., Cybercrime vulnerabilities: The downside of data sharing in local Government

2. **Caldarulo, M.** & Li, R. G., Relational and institutional elements shaping cyber-threats at the local level

3. **Caldarulo, M.**, Developing an organizational shared risk perception: The role of IT, learning and conflict management

4. **Caldarulo, M.**, Corley, E., Pezo Salazar, I., Islam, S., Welch, E. W., "I will remember you" Determinants of organizational memory in public sector organizations

5. 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

6. **Caldarulo, M.**, Welch, E. W., Louafi, S., Camillo, S. How the global pandemic changes data governance systems: A competing logics approach

7. 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. **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.

2. **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.

3. **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.

4. **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.

5. **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)

1. **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

Research Experience

Graduate Research Assistant, Center for Science, Technology and Environmental Policy Studies   **Phoenix, USA**
(**CSTEPS**) **–** Dr. Eric Welch, Dr. Mary Feeney, Dr. Elizabeth Corley, Dr. Justin Stritch

1. *CSTEPS Transit Survey 2022*   February 2022 – Present

   Project Manager, led project coordinating peers in developing the sample frame, designed and administered the survey, organized junior students' work during the data cleaning process, developed the codebook and project report, managed IRB submission

2. *ECOFFEE (ECOFFEE) Dr Eric 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 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 Welch, Dr Mary 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 – Dr. Karen Mossberger

5. *Venture Forward – (GoDaddy.com)*   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.

Teaching Experience

Instructor   Fall 2021
Public Service & Policy in the 21st Century (PAF 200) – Undergraduate Course.
Arizona State University, School of Public Affairs. (Online and in-person)

Teaching Assistant   Summer 2020
Public Management (PAF 520) – Graduate Course. Arizona State University, School
of Public Affairs. (Online)

Service

Ad hoc reviewer: Journal of Public Administration Research and Theory; Public Management Review; Government Information Quarterly; 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

Awards and Honors

Outstanding Instruction by a Doctoral Student. *School of Public Affairs. Arizona State University.*   Apr. 2023

Outstanding Doctoral Student Award. *School of Public Affairs. Arizona State University.*   Apr. 2022

Research & Travel Funding

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

University Graduate Fellowship. *ASU School of Public Affairs.* $804   Jul. 2020

Scholarships

Graduate Scholarship. *Arizona State University*	2019 – Present
Fondo Sostegno Giovani. *Bocconi University*	2016
Erasmus+ Scholarship. *European Commission*	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   **Milan, Italy**
Government & Public Services: **Consultant**   Jul. 2018 – Jul. 2019
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.

Government & Public Services: **Business Analyst**   **Milan, Italy**
Main Task: Advisory activities on the production processes and procurement of Italian   Nov. 2017 – Jul. 2018
public administration. Cost-benefit analyses. Compliance activities

PwC Italy   **Milan, Italy**
Transfer Pricing: **Analyst**   Feb. 2017 – Nov. 2017
Local file and Masterfile drafting complying with OECD guidelines; fiscal planning;
scenario analysis