

Paula R. Buchanan, ScD, MBA, MPH, CPH

202.549.3070 | paula@paularbuchanan.com | linkedin.com/in/paularbuchanan | paularbuchanan.com

EDUCATION

ScD	Disaster and Emergency Management	Jacksonville State University
MBA	Business Management	University of Alabama at Birmingham
MPH	Healthcare Management and Policy	University of Alabama at Birmingham
BA	History of Science	Tulane University
BS	Biology; Minors: Economics, History	Tulane University

ACADEMIC EXPERIENCE

2021-25	Lead Instructor	National Center for Domestic Preparedness at the Columbia Climate School
2023-25	Postdoctoral Research Fellow	College of Health Sciences and Technology at the Rochester Institute of Technology
2024	Science Communication Identities Project Fellow	Metcalf Institute at the University of Rhode Island
2021-23	Instructor	Disaster Resilience Leadership Academy at Tulane

WORK EXPERIENCE

2012-25	Principal	PRB 4 ME Consulting
2022	Graduate Intern	Government Relations and Science Policy at the American Geophysical Union
2021	Program Analyst, Student Trainee	Department of Health and Human Services
2020	Graduate Intern, Resilience	Center for Domestic Preparedness at the Federal Emergency Management Agency
2019	Graduate Research Intern	Veolia Water

VOLUNTEER EXPERIENCE

2025-26	Digital Liaison, Local Science Engagement Network	Amer. Assoc. for the Advancement of Science
2021-22	Community Science Fellow and Project Manager	AGU Thriving Earth Exchange Office of Energy and Sustainability Services, City of Costa Mesa, CA

SELECTED PUBLISHED PEER-REVIEWED JOURNAL ARTICLES: FULL LIST AVAILABLE UPON REQUEST

Bratburd, J. R., Kerr, G. H., Askins, K., **Buchanan, P. R.**, Magers, B., Yeager, R., & Calder, R. (2026). Rebuilding GeoHealth: Science, governance, and resilience after 2025. *ESS Open Archive*. <https://doi.org/10.22541/essoar.15005153/v1>.

Trivedi, J. M., **Buchanan, P. R.**, & Owusu-Daaku, K. N. (2026). Recognizing our role in reframing disaster and emergency management terminology to enhance human agency and responsibility. *Perspectives of Earth and Space Scientists*, 7(1), e2025CN000315.

Jerolleman, A., **Buchanan, P.**, & Graves, J. (2026). Community Lifelines approach: Emergency management's role in ensuring access to water. *Journal of Emergency Management*, 24(1), 25–33. <https://doi.org/10.5055/jem.0914>.

SELECTED PEER-REVIEWED BOOK CHAPTERS AND VIGNETTES: FULL LIST AVAILABLE UPON REQUEST

Buchanan, P. (2019). Box 4.1: Public Assistance for Infrastructure. In *Disaster Recovery Through the Lens of Justice*. Jerolleman, A. Cham. Switzerland: Palgrave Macmillan.

Buchanan, P. & Sparagowski, C. (2022). The Role of Emerging Technologies and Social Justice in Emergency Management Practice: The Good, the Bad, and the Future. In A. Jerolleman and W.L. Waugh (Eds.), *Justice, Equity, and Emergency Management*. (pp. 175-199). United Kingdom: Emerald.

SELECTED OTHER PUBLICATIONS: FULL LIST AVAILABLE UPON REQUEST

Buchanan, P. (2025, May 22). [*Lost in Science Communication: Staten Island's Journey from Hurricane Sandy Devastation to Community Restoration*](#).

Buchanan, P. (2025, April 16). [*Just the FAQs: Turning Climate Questions into Climate Understanding and Action*](#).

SELECTED ACADEMIC PRESENTATIONS: FULL LIST AVAILABLE UPON REQUEST

Buchanan, P. (2025, June). *Bridging the Gap: Communicating Earth System Science to Stakeholders, Communities, and Decision Makers*. Plenary session presented at Community Earth System Workshop 2025, Boulder, CO.

Ambrogio, O. & Bergstrom (moderators). Hanlon, S., **Buchanan, P.**, Phillips, A., & Guertin, L. (2024, December 10, 2024). *Storytelling and Science Communication for Science Policy Impact*. Panel presented for American Geophysical Union 2024 Annual Meeting, Washington, DC.

Shepherd, M. (moderator), Saikawa, E., **Buchanan, P.**, & Velez, V. (2024, April). Communication Matters: How Communication between Emergency Managers and Water Systems Professionals Regarding Insufficient Drinking Water Access Impacts Atlanta and Other Urban Areas. Atlanta Studies Symposium, Atlanta, GA.

Buchanan, P., Raisor, J., & Powell, R. (2022, March). *#SciCommMake – Fight the Fatbergs: A Free Lesson Plan for Your Classroom*. Session presented at the Science Talk 2022 Conference, Portland, OR.

SELECTED INVITED PROFESSIONAL TALKS: FULL LIST AVAILABLE UPON REQUEST

Buchanan, P. (2022, March 3). *Science Communication Workshop*. Presented for the [R.W. Bromery Fund Lectures](#), Morton K. Blaustein Department of Earth & Planetary Sciences, Krieger School of Arts & Sciences, Johns Hopkins University, Baltimore, MD.

Buchanan, P., Pal, I., & Thomas, A. (2021, March 31). *Let's Talk About Water Short Film Showcase*. Webinar presented for the Consortium of Universities for the Advancement of Hydrologic Science, Cambridge, MA.

Buchanan, P. (Director). (2020, May 20). Attack of the Evil Fatbergs! [\[Film\]](#). AGU's Voices for Science Program.

Hanlon, S. & Bompey, N. (Hosts). (2019, October 11). **Buchanan, P.** Special Release: Managing Emergencies in a Water World. [\[Audio podcast\]](#) episode]. In *Third Pod from the Sun*. American Geophysical Union.

SELECTED ACADEMIC CONFERENCE POSTER PRESENTATIONS: FULL LIST AVAILABLE UPON REQUEST

Inmon, B. & **Buchanan, P.** (2019, July). *TextualETL™: Improving Risk Communication in Disaster Management*. Poster presented at the 44th Annual Natural Hazards Research and Applications Workshop, Broomfield, CO.

Buchanan, P. (2018, October). *Water Insecurity as a Risk Management Issue – A Risk Communication Proposal for the City of Atlanta*. Poster presented at the 66th Annual International Association of Emergency Managers Conference, Grand Rapids, MI.

SELECTED PROFESSIONAL SERVICE: FULL LIST AVAILABLE UPON REQUEST

2026	Member, Board of Directors	Clean Water Fund
2025-Present	<i>Perspectives of Earth and Space Scientists</i> journal	Editorial Board
2023-2025	<i>Community Science</i> journal	Editorial Board
2022-Present	Sigma Xi	Editorial Advisory Panel, <i>American Scientist</i>
2021-2024	American Geophysical Union (AGU)	Science Adviser, <i>Eos</i> news magazine
2019	American Geophysical Union (AGU)	Voices for Science Program, Communication