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# Mary Angelica Painter, Ph.D., M.A.

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## Education

2020 Doctor of Philosophy (Ph.D.), Political Science, *University of Missouri – St. Louis*  
2013 Master of Arts (M.A.), International Relations, *Webster University – Bangkok, Thailand*  
2010 Bachelor of Arts (B.A.), Political Science, *University of Missouri – St. Louis*

## Academic Appointments

Nov. 2023 – Present Research Associate, *Natural Hazards Center*  
*University of Colorado Boulder*

Jun. 2022 – Nov. 2023 Postdoctoral Research Associate, *Natural Hazards Center*  
*University of Colorado Boulder*

Jan. 2022 – May 2022 Assistant Instructor  
*Washington University at St. Louis*

Jan 2020 – May 2021 Adjunct Instructor  
*University of Missouri – St. Louis*

Aug. 2015 – Dec. 2019 Graduate Assistant (Teaching and Research)  
*University of Missouri – St. Louis*

## Research Interests

*Hazards and Disasters; Social Vulnerability; Mitigation and Preparedness; Food, Energy, and Water (FEW) Insecurity; Environmental Justice; Community Response, Recovery, and Resilience; Risk Communication and Emergency Alerting; Equity and Inclusion*

## Publications

*Co-author key (at writing): G graduate student; CP community partner*

## Upcoming

Roque, A.D., and **Painter, M.A.** (*Submitted*) “Participatory Budgeting as an Innovation in Effective Climate Mitigation Strategies. For Submission to *Nature Communications*.”

Karanja, J.<sup>G</sup>, Cousins, T.<sup>G</sup>, and **Painter, M.A.** (*Submitted*). “Missing in Vulnerability Mapping: Capacity as a Measure of Need.” For submission to *Natural Hazards*.

**Painter, M. A.**, Tormos-Aponte, F., Roque, A. D., Wilhelmi, O., and Shah, S. H. (*Submitted*). “From Social Vulnerability Indices to Social Vulnerability Processes.” *Climate Risk Management*.

## 2026

**Painter, M.A.**, Villarreal, M.<sup>G</sup>, MacPherson-Krutzsky, C., Peek, L., Velasco, E.<sup>CP</sup>, and Breeden, J. (2026) “Research as Part of the Legislative Process: A Statewide Evidence-Based Study of Inclusive Emergency Alerts.” *Natural Hazards Research*. <https://doi.org/10.1016/j.nhres.2026.02.006>

**Painter, M.A.**, Roque, A.D., Quintana, E.<sup>CP</sup>, Shah, S.H., Cuevas Quintana, F.<sup>G,CP</sup>, and Tormos-Aponte, F. (2026). “Mitigating Compounding Hazard Impacts on Public Health through a Community Co-Created Toolkit on Food-Energy-Water (FEW) Insecurity.” *Disaster Prevention and Management Journal*. <https://doi.org/10.1108/DPM-01-2026-0016>

## 2025

MacPherson-Krutzsky, C., **Painter, M.A.**, and Villarreal, M.<sup>G</sup> (2025). “Inclusive Emergency Alerts: Exploring Whether Agencies Are Ready, Willing, and Able.” *Natural Hazards Review*. <https://doi.org/10.1061/NHREFO.NHENG-2400>

**Painter, M. A.**, Villarreal, M., and Peek, L. 2025. “State Hazard Mitigation Plans and Social Vulnerability.” *Journal of Homeland Security and Emergency Management*. <https://doi.org/10.1515/jhsem-2024-0023>

Roque, A.D., Shah, S.H., **Painter, M.A.**, Tormos-Aponte, F., Cuevas Quintana, F.<sup>G,CP</sup>, Prudencio, W.<sup>G</sup>, De Leon Colon, K.<sup>G</sup>, Alvelo Colon, G.<sup>G</sup>, and Navarro, E.<sup>G</sup> (2025). “Participatory Mapping: Identifying Physical and Social Resources Across Hazards and Disasters for Food, Energy, and Water (FEW) Security.” *Environmental Justice*. <https://doi.org/10.1177/19394071251365511>

Roque, A.D., **Painter, M.A.**, Tormos-Aponte, F., Prudencio, W.<sup>G</sup>, and De Leon Colon, K.<sup>G</sup> (2025). “Navigating Cascading Food-Energy-Water Insecurities: A Case of Community Leadership in Puerto Rico,” *Environmental Science & Policy*. <https://doi.org/10.1016/j.envsci.2025.104188>

Stoler, J., **Painter, M.A.**, Sharygin, E., and Shah, S.H. (2025). “The Rise of Hazard Gentrification.” *International Journal of Disaster Risk Reduction*. <https://doi.org/10.1016/j.ijdr.2025.105618>

Villarreal, M.<sup>G</sup>, MacPherson-Krutzsky, C., and **Painter, M.A.** (2025). “Barriers and Best Practices for Inclusive Emergency Alerts and Warnings.” *International Journal of Disaster Risk Reduction*. <https://doi.org/10.1016/j.ijdr.2025.105581>

## 2024

**Painter, M. A.**, Shah, S. H., Damestoit, G.<sup>G</sup>, Khalid, F.<sup>G</sup>, Prudencio, W.<sup>G</sup>, Chisty, M. A.<sup>G</sup>, Tormos-Aponte, F., and Wilhelmi, O. 2024. “A Systematic Scoping Review of the Social Vulnerability Index as Applied to Natural Hazards.” *Natural Hazards*, 120, 7265-7356. <https://doi.org/10.1007/s11069-023-06378-z>.

## 2022

Tormos-Aponte, F., Prudencio, W.<sup>G</sup>, **Painter, M.A.**, Franklin, B.<sup>G</sup> 2022. “Clientelism and Corruption in the Wake of Disasters.” *CENTRO Journal*, 34 (2). <https://centropr.hunter.cuny.edu/publications/clientelism-and-corruption-in-the-wake-of-disasters/>

## 2021

Tormos-Aponte, F., García López, G.A., and **Painter, M.A.** 2021. “Energy Inequality in the Wake of Disasters: From Colorblind to Affirmative Power Restoration.” *Energy Policy*, 158, 112550. <https://doi.org/10.1016/j.enpol.2021.112550>

**Painter, M. A.**, and Kimball, David C. 2021. "Local Politics as a Context for Polarizing Cues." *Journal of Elections, Public Opinion and Parties*, 1-20. <https://doi.org/10.1080/17457289.2021.1945611>

## **Research Grants and Awards**

### **2026**

**Painter, M.**, and MacPherson-Krutzky, C. 2026. Emergency Alert Systems: Exploring the Perspectives and Behavior of Multilingual Speakers and International Students. *University of Colorado Boulder Impacts Grant*. **\$30,000**.

### **2025**

**Painter, M.**, and MacPherson-Krutzky, C. 2025. Emergency Alert Systems: Exploring the Perspectives and Behavior of Populations with Limited-English Proficiency (LEP). *National Oceanic and Atmospheric Administration (NOAA) Weather Program Office (WPO) – Social, Behavioral, and Economic Sciences (NOAA-OAR-WPO-2025-18598)*, **\$350,000**.

### **2024**

Behzadan, A. and **Painter, M.A.** 2024. Making Disaster Risk Messaging More Relatable: An Experimental Study with Generative Artificial Intelligence. *Federal Emergency Management Agency (FEMA) Higher Education Program*, **\$10,000**.

Behzadan, A. and **Painter, M.A.** 2024. ASPIRE: Advancing the Science and Practice of Inclusive, Relatable, and Equitable Disaster Risk Communication. *Institute of Behavioral Science Research Workshop Award, University of Colorado Boulder*, **\$5,000**.

MacPherson-Krutzky, C., **Painter, M.A.**, and Villarreal, M. 2024. Emergency Alert Systems in Colorado: Exploring Perspectives of Spanish-Speakers. *Institute of Behavioral Science Research Development Award, University of Colorado Boulder*, **\$10,000**.

### **2023**

Peek, L., Campbell, N.M, Breeden, J., and **Painter, M.A.** 2023. Research Counts: Strengthening Diversity to Reduce Disproportionate Disaster Harm. *Margaret A. Cargill Philanthropies*, **\$800,000**.

**Painter, M.A.** 2023. Participatory Budgeting: A Community-Led Intervention for Resource Security Following a Disaster. *Institute of Behavioral Sciences Small Grant Award from the Institute of Behavioral Sciences at University of Colorado Boulder*, **\$2,500**.

Roque, A., Quintana, E., Torres, E., Tormos-Aponte, F., **Painter, M.A.**, and Cuevas-Quintana, F. 2023. Participatory Budgeting: A Community-Led Intervention for Resource Security Following a Disaster. *Public Health Disaster Research Award* supported by the *Natural Hazards Center (NHC)* at the *University of Colorado, Boulder* with the support of the *National Science Foundation (NSF)* and *The Centers for Disease Control and Prevention (CDC)*, **\$10,000**.

### **2022**

Peek, L., **Painter, M.A.**, and Villarreal, M. 2022. Understanding Social Vulnerability: The Role of State Hazard Mitigation Officers (SHMOs) in Reducing Risk for Marginalized Populations. *Institute of Behavioral Science Research Development Award, University of Colorado Boulder*, **\$15,000**.

Roque, A., Quintana, E., Shah, S.H., Tormos-Aponte, F., **Painter, M.A.**, and Cuevas-Quintana, F. 2022. Quantifying Health Impacts from Compounding Food, Energy, Water Insecurities in Disaster

Contexts. *Public Health Disaster Research Award* supported by the *Natural Hazards Center* (NHC) at the *University of Colorado, Boulder* with the support of the *National Science Foundation* (NSF) and *The Centers for Disease Control and Prevention* (CDC), **\$25,000**.

**2019**

**Painter, M.A.** 2019. St. Louis Social Science Dissertation for *Curb-Sided: How Technology Disrupts the American Transportation Planning Process*. University of Missouri – St. Louis, **\$15,000**.

## **Teaching Experience**

### **Guest Lecture**

ENV 789: Community Engagement and Participatory Research  
Fall 2025 (August - December 2025)  
Nicholas School of the Environment, Duke University  
***Community-Engaged Research Design***

SEFS 590: Climate Change Vulnerability, Adaptation and Societal Transformations  
Winter 2023 (January - March 2023)  
School of Environmental and Forest Sciences, University of Washington  
***Measuring Social Vulnerability: One Dominant Approach***

ESRM 490 / ENVIR 495 / SEFS 590: Climate Justice  
Spring 2023 (March - June 2023)  
School of Environmental and Forest Sciences, University of Washington  
***Using Research in Practice: How to Be an Impactful Environmental Justice Researcher***

### **Instruction**

Assistant Instructor  
Spring 2022 (January – May 2022)  
Washington University in St. Louis  
***PSYCH 5067 – Quantitative Methods II***

Adjunct Instructor  
Spring 2020 (January – May 2020)  
University of Missouri – St. Louis  
***POL SCI 6401 – Introduction to Policy Research***

Spring 2021 (January – May 2021)  
University of Missouri – St. Louis  
***POL SCI 3000 – Political Analysis***

### **Graduate Teaching**

Graduate Teaching and Research Assistant  
August 2015 – May 2018  
University of Missouri – St. Louis  
***Various Courses in Political Science, including independently taught POL SCI 2510***

## **Mentorship**

Natural Hazards Center, Graduate Student Collaboration and Mentorship

2025-Ongoing

Kate McNeely, Zoe Lefkowitz, and Forrest Schalkham

*Third Assessment of Natural Hazards Literature Review*

2023-2024

Melissa Villarreal

*Colorado Inclusive Language and Access in Emergency Alerts*

Bill Anderson Fund

2024

Joseph Karanja (Arizona State University) and Tiffany Cousins (Virginia Tech University)

*A Comparison of Vulnerability Maps Used by Federal Agencies to Allocate Climate Resilience Resources*

Social Vulnerability and Resiliency (SOLVER) Lab

2021-2023

Wendy Prudencio and Gwendolyn Damestoit (University of Maryland Baltimore County)

*Social Vulnerability Indices Literature Review Assessment*

2022

Brevin Franklin (Harvard University)

*Electoral Outcomes and Energy Restoration in Puerto Rico*

## **Service Experience**

Oct. 2025 –	Associate Deputy Editor <i>Climatic Change</i>
Feb. 2025 –	Advisor, <i>Tribal Engagement Initiative Advisory Committee</i> <i>Association of State Floodplain Managers</i>
Apr. 2025 –	Advisor, <i>Disaster Risk Reduction Advisory Board</i> <i>Center for Disaster Philanthropy &amp; Margaret A. Cargill Philanthropy</i>
Aug. 2024 – Dec. 2024	Search Committee Member <i>Faculty Search Committee for the Institute of Behavioral Sciences</i>
Mar. 2024 –	Data Ambassador <i>CONVERGE</i>
Aug. 2020 –	Co-Leader <i>RLadiesSTL</i>
Sep. 2020 – May 2023	Co-Director of Confluence Chapter <i>Scholars Strategy Network</i>

## **Academic Publications and Award Proposal Reviews**

As an academic reviewer, I have reviewed journal articles for several journals, including *Natural Hazards*, *Natural Hazards Review*, *International Journal of Disaster Risk Reduction*, *Water Resources Research*, *Social Currents*, *Critical Disaster Studies*, *Humanities and Social Science Communication*, *Lancet Planetary Health*, among several others. I have also reviewed several Public Health Award and Quick Response Award proposals for funding from the Natural Hazards Center (NSF Award #1635593) with support from the Centers for Disease Control and the National Science Foundation (NSF Award #1635593). I also work on developing calls, including for the Weather Ready Research Award Program supported by the National Oceanic and Atmospheric (NSF Award #1635593). After funding, I also review reports for these awards for publication on the Natural Hazards Center website.

## **Conferences, Workshops, Webinars, and Public Events**

### **2025**

Behzadan, A., and **Painter, M.A.** 2025. Advancing the Science and Practice of Innovative, Relatable, and Engaging (ASPIRE) Disaster Risk Communication. Workshop, Institute of Behavioral Sciences, University of Colorado Boulder, April 17-18, 2025.

Karanja, J., **Painter, M.A.**, & Cousins, T. 2025. Capacity: A Missing Ingredient in Vulnerability Mapping. Brazel Lecture Poster Competition, Urban Climate Research Center at Arizona State University. Phoenix, AZ, Poster Presentation.

Muth, M., and **Painter, M.A.** 2025. Advances in Communicating the Risk of Drought and Cascading Hazards. American Meteorological Society (AMS) 105<sup>th</sup> Annual Meeting. Joint Session.

### **2024**

Roque, A. D., Quintana, E., Torres, E., Tormos-Aponte, F., **Painter, M. A.**, & Cuevas, F. 2024. Participatory Budgeting: A Community-Led Intervention for Community Resilience to Disasters. Webinar Presentation, Natural Hazards Center, University of Colorado Boulder, virtual.

**Painter, M.A.** 2024. Natural Hazards and Social Vulnerability: Practice and Policy. Dr. Robertson Environmental Policy Conference – Confluence Scholar Strategy Network, MU Extension, St. Louis, MO. Presentation.

\*De León Colón, K., Shah, S.H., **Painter, M.A.**, Tormos-Aponte, F., Cuevas Quintana, F., Cuevas Quintana, E., Prudencio, W., Alvelo Colon, G., Navarro, E., Roque, A. 2024. Participatory Mapping with Community Leaders: Water, Food, and Energy Insecurity Physical and Social Resources in Disaster Context. Society of Freshwater Science Annual Meeting, Philadelphia, PA, Poster Presentation.

***\*Winner of the Best Presentation in the Applied Sciences***

MacPherson-Krutzky, C., **Painter, M.A.**, Villarreal, M., Peek, L., and Velasco, E. 2024. Inclusive Emergency Alerts: Recommendations for Language and Disability Access. Making Mitigation Work: Natural Hazards Center, Virtual, Webinar.

Shah, S.H., **Painter, M.A.**, Roque, A., and Tormos-Aponte, F. 2024. Data Integration Beyond the “Ivory Tower”: Deriving Meaningful Climate & Public Health Insights. Presented at the Center for Studies in Demography and Ecology Seminar “Climate Impacts on Population Health: Data Science, Demography & Disparities”, University of Washington.

MacPherson-Krutsky, C., **Painter, M.A.**, Villarreal, M., and Peek, L. 2024. HB23-1237 – Inclusive Language in Emergency Situations. Colorado State Legislature, Denver, CO, Study presentation.

## 2023

**Painter, M. A.**, Villarreal, M., Seth, D., and Peek, L. 2023. State Hazard Mitigation Plans and Social Vulnerability. 48th Annual Natural Hazards Research and Applications Workshop, Broomfield, CO, Poster session.

Marchezini, V., Champeau, H., Paula, A.L., Cunha, A.P., Mourao, C.S., Evans, C., MacPherson-Krutsky, C., Cunningham, C., Metodief, D., Urbano, D., Mota e Silva, J.A., West, J., Santos, L.B.L., Anderson, L., Londe, L.R., Gargione, L., Green, L., Zeri, M., Mascarenhas, M., **Painter, M.A.**, Mordy, M., Villarreal, M., Trajber, R., Pereira, R., Saito, S.M., Mendes, T.S.G., Nery, T.D., Muñoz, V.A., Peek, L. 2023. Interdisciplinary Approaches for Advancing People-Centered Warning Systems. Workshop, Virtual.

Carlisle, C., MacPherson-Krutsky, C., **Painter, M.A.**, Peek, L., and Villarreal, M. 2023. Equitable Engagement with Underserved Communities. Making Mitigation Work: Natural Hazards Center, Virtual, Webinar.

Peek, L., **Painter, M.A.**, Eosco, G., Agather, A.M., Mote, J., Shivers-Williams, C., Tobin, J., Breeden, J., and Open Data Workshop Participants. 2023. Final Report of the Workshop on Open Data and Reuse in Social Science Weather Research. Natural Hazards Center, University of Colorado Boulder. [hazards.colorado.edu/research/weather-ready-research/open-data-workshop](https://hazards.colorado.edu/research/weather-ready-research/open-data-workshop). Workshop.

**Painter, M.A.**, Shah, S.H., Roque, A. 2023. Measuring Vulnerability, I: Critical Approaches to Social Vulnerability Indices. Co-organized Session at the American Association of Geographers, Denver, U.S., Paper Session.

**Painter, M.A.**, Tormos-Aponte, F., Roque, A., Peek, L., Wilhelmi, O., Shah, S.H. 2023. A Dynamic, Intersectional Approach to Transforming Social Vulnerability Indices. Presented at the American Association of Geographers, Denver, U.S. Presentation.

**Painter, M.A.**, Roque, A., Quintana, E., Shah, S.H., Tormos-Aponte, F., Cuevas, F. 2023. Quantifying Household and Intra-Community Public Health Impacts of Compounding Food, Energy, and Water Insecurity in Corcovada, Puerto Rico. Presented at the American Society for Public Administration. Virtual Presentation.

**Painter, M.A.** 2023. “Social Vulnerability and How We Measure it.” Workshop Training for the United States Army Corps of Engineers. Denver, U.S., Presentation. (Presented twice for two groups in February and March).

Roque, A.D., Quintana, E., Shah, S. H., Tormos-Aponte, F., **Painter, M.A.**, Cuevas, F. 2023. Assessing Intra-Community Public Health Impacts from Compounding Food, Energy, and Water Insecurities. Presented at the Natural Hazards Center as part of the Public Health Disaster Research Award Program Continuation Award: Extending Public Health Disaster Research and Community Engagement in the U.S. Territories. Virtual Presentation.

Tormos-Aponte, F., Prudencio, W., Damestoit, G., **Painter, M.A.**, Shah, S.H., Wilhelmi, O., Franklin, B. 2023. Mechanisms shaping the politics of social vulnerability. Presented at the National Center for Atmospheric Research Cohort 2 PI Symposium, Boulder, U.S. Presentation.

Roque, A., Quintana, E., Shah, S. H., Tormos-Aponte, F., Cuevas, F., **Painter, M.A.** 2023. Quantifying Household and Intra-Community Public Health Impacts of Compounding Food, Energy, and Water Insecurity in Corcovada, Puerto Rico. Presented at the Natural Hazards Center as part of the Public Health Disaster Research Award Program Continuation Award: Extending Public Health Disaster Research and Community Engagement in the U.S. Territories. Virtual Presentation.

## 2022

Tormos-Aponte, F., **Painter, M.A.**, Franklin, B., and Shah, S.H. 2022. Out of power but not powerless: Electoral consequences of disaster response in the wake of Hurricane María in Puerto Rico. Presented at the American Political Science Association 2022 - Local Political Economy Pre-Conference, Montreal, Canada and at the Atlanta Network for the Study of Race, Ethnicity and Politics - Clark Atlanta and Emory Universities, Atlanta, U.S. Presentation.

Tormos-Aponte, F., **Painter, M.A.**, Shah, S.H. 2022. Beyond Climate Change Vulnerability in Puerto Rico. Webinar hosted by Boricuas Unidos En La Diáspora. Virtual Presentation.

## 2019

**Painter, M.A.** 2019. The Split of St. Louis: How St. Louis Splits Along Borders and Beyond. Civitas-STL on St. Louis City and County Divide, St. Louis, MO. Talk.

**Painter, M.A.**, and Kimball, D.C. 2019. The Political Context of Polarizing Cues. Presented at the Midwest Political Science Association Conference. Chicago, IL. Presentation.

**Painter, M.A.** 2019. *State Policy Diffusion: Federalism and Transportation Regulation*. Presented at the Midwest Political Science Association Conference. Chicago, IL. Presentation.

## 2018

**Painter, M.A.** 2018. *Chaos Constructed Silos and How Punctuation Leads to Policy Monopolies*. Presented at the Midwest Political Science Association Conference. Chicago, IL. Presentation.

**Painter, M.A.** 2018. *Language and Change: Effects of Discourse on Uber Regulation*. Presented at the Midwest Political Science Association Conference. Chicago, IL. Presentation.

## 2017

**Painter, M.A.** 2017. *Importance of Public Transportation in Megacities: Dhaka and Climate Change*. Presented at the International Studies Association Conference. St. Louis, MO. Presentation.

**Painter, M.A.** 2017. *Megacity Solutions: The Role of Mass Transit in Mitigating Pollution Emissions*. Presented at the Midwest Political Science Association Conference. Chicago, IL. Presentation.

## 2016

**Painter, M.A.** 2016. *Luxury Consumption and Development: The Case of Beer Consumption and Gender Equality*. Presented at the Great Plains Political Science Association Conference. Kansas City, KS. Presentation.

## **Publications (non-refereed)**

## 2025

Behzadan, A.H., **Painter, M.A.**, Dinesh, S., and Dabiri, A. 2025. Advancing the science and practice of innovative, relatable, and engaging disaster risk communication (ASPIRE). Workshop report, University of Colorado Boulder. <https://doi.org/10.25810/0sv9-gg04>

MacPherson-Krutzky, C., Painter, M.A., and Olson, M. 2025. Emergency alerts may not reach those who need them most in Colorado. The Conversation. <https://theconversation.com/emergency-alerts-may-not-reach-those-who-need-them-most-in-colorado-262308>

## 2024

Roque, A. D., Quintana, E., Torres, E., Tormos-Aponte, F., **Painter, M. A.**, and Cuevas, F. 2024. Participatory Budgeting: A Community-Led Intervention for Community Resilience to Disasters. (Natural Center Community Engagement Brief Series, Brief 5). Natural Hazards Center, University of Colorado Boulder. <https://hazards.colorado.edu/public-health-disaster-research/participatory-budgeting>

MacPherson-Krutzky, C., **Painter, M.A.**, Villarreal, M., and Peek, L. 2024. Final Report, Inclusive Emergency Alerts for Colorado: An Assessment and Recommendations for Language and Disability Considerations. Natural Hazards Center, University of Colorado Boulder. <https://hazards.colorado.edu/research-projects/colorado-inclusive-language-and-access-in-emergency-alerts>

## 2023

Peek, L., **Painter, M.A.**, Eosco, G., Agather, A.M., Mote, J., Shivers-Williams, C., Tobin, J., Breedon, J., and Open Data Workshop Participants. 2023. Final Report of the Workshop on Open Data and Reuse in Social Science Weather Research. Natural Hazards Center, University of Colorado Boulder. [hazards.colorado.edu/research/weather-ready-research/open-data-workshop](https://hazards.colorado.edu/research/weather-ready-research/open-data-workshop)

Roque, A.D., Quintana, E., Shah, S.H., **Painter, M.A.**, Cuevas, F., Tormos-Aponte, F. 2023. Assessing Intra-Community Public Health Impacts from Compounding Food, Energy, and Water Insecurities. *Natural Hazards Center Public Health Grant Report Series: 37*. University of Colorado Boulder.

Roque, A., Quintana, E., Shah, S.H., **Painter, M.A.**, Tormos-Aponte, F., Quintana, F.C., Cólón, G.A., Prudencio, W., De León Colon, K.R., Barnes, R., Navarro, E., Torres, J.N. 2023. Food, Energy, and Water Security in the Wake of Disaster: A Community-Based Experience Assessment Tool Kit. *A Tool Kit for Assessing Community Wellbeing Co-Created by Community Leaders of Corcovada (Puerto Rico) and Academic Researchers: 1-50*.

Marchezini, V., Villarreal, M., Paula, A.L., Cunha, A.P., Mourao, C.S., Evans, C., MacPherson-Krutzky, C., Cunningham, C., Urbano, D., Mota e Silva, J.A., West, J., Champeau, H., Santos, L.B.L., Londe, L.R., Gargione, L., Green, L., Zeri, M., Mascarenhas, M., **Painter, M.A.**, Andrade, M.E.M., Mordy, M., Adams, R., Trajber, R., Pereira, R., Nery, T.D., Muñoz, V.A., and Peek, L. 2023. *Potential for future research collaboration between Natural Hazards Center and National Center for Monitoring and Alerts of Natural Disasters*. Working paper: Natural Hazards Center and National Early Warning and Monitoring Centre of Natural Disasters.

Marchezini, V., Champeau, H., Paula, A.L., Cunha, A.P., Mourao, C.S., Evans, C., MacPherson-Krutzky, C., Cunningham, C., Metodief, D., Urbano, D., Mota e Silva, J.A., West, J., Santos, L.B.L., Anderson, L., Londe, L.R., Gargione, L., Green, L., Zeri, M., Mascarenhas, M., **Painter, M.A.**, Mordy, M., Villarreal, M., Trajber, R., Pereira, R., Saito, S.M., Mendes, T.S.G., Nery, T.D., Muñoz, V.A., Peek, L. 2023. *Interdisciplinary Approaches for Advancing People-Centered Warning Systems*. Working Paper: Natural Hazards Center and National Early Warning and Monitoring Centre of Natural Disasters. Available at: <https://hazards.colorado.edu/biography/victor-marchezini>.

## 2022

Tormos-Aponte, F., **Painter, M.A.**, and Shah, S.H. 2022. "Puerto Rico's Electricity Problems Go Beyond Mari and Fiona." Published by *the Washington Post*, <https://www.washingtonpost.com/politics/2022/09/28/puerto-ricos-electricity-problems-go-beyond-mara-fiona/>.

## 2021

Tormos-Aponte, F., García-López, G., and **Painter, M.A.** 2021. "Hurricanes May Not Discriminate, But Governments and Utility Companies Do, Our Research Finds." Published by *the Washington Post*, <https://www.washingtonpost.com/politics/2021/09/23/hurricanes-may-not-discriminate-governments-utility-companies-do-our-research-finds/>.

Tormos-Aponte, F., García-López, G., and **Painter, M.A.** 2021. "How Inequity and Politics Influence Government Responses to Natural Disasters." Published by *Scholar Strategy Network*, <https://scholars.org/contribution/how-inequality-and-politics-influence>.

## 2020

Mangan, A., **Painter, M.A.**, Shell, E. Bello-Pardo, E. Nayak, M., Ray, J. and White, M. 2020. "Voters Support the Biden-Sanders Task Force Recommendations." Published by *Data for Progress*, <https://filesforprogress.org/memos/Biden-Sanders-Unity-Task-Force.pdf>.

**Painter, M.A.** 2020. "Curb-Sided: How Technology Disrupts the American Transportation Planning Process." *Ph.D. diss. University of Missouri - Saint Louis*. Ann Arbor: ProQuest. Dissertations. 932.

## 2019

**Painter, M.A.** 2019. "Why We Need to Address the Demands of Striking Ride-Hailing Service Drivers." Published by *the Washington Post*, <https://www.washingtonpost.com/outlook/2019/05/08/why-we-need-address-demands-striking-ride-share-drivers/>.

## 2018

Kimball, D.C., and **Painter, M.A.** 2018. "How Exit Polls Can Help Newly Elected Leaders Gauge the Policy Preferences of Voters." Published by *Scholar Strategy Network*, <https://scholars.org/contribution/how-exit-polls-can-help-newly-elected-leaders-gauge-policy-preferences-voters>.

## Published Datasets

### 2024

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## 2023

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*\*Winner of the 2024 DesignSafe Dataset Award: <https://www.designsafe-ci.org/community/news/2024/october/the-faces-of-disaster/>*

## Published Check Sheets

### 2024

**Painter, M.A.**, Evans, C., Villarreal, M., and MacPherson-Krutsky, C. 2024. "Creating Accessible Materials for People with Visual or Auditory Disabilities—CONVERGE Extreme Events Research Check Sheets Series." DesignSafe-CI. <https://doi.org/10.17603/ds2-fc1v-5h68>

**Painter, M.A.**, MacPherson-Krutsky, C., and Villarreal, M. 2024. "Enhancing Research Outcomes by Engaging with Decision Makers—CONVERGE Extreme Events Research Check Sheets Series." DesignSafe-CI. <https://doi.org/10.17603/ds2-v0fz-ql03>

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