

Melina Matos

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EDUCATION

Ph.D. in Urban and Regional Science	2023
Texas A&M University	
Master of Public Administration	2017
Texas Tech University	
Specialist in Regional Development	2007
Federal University of Paraná – UFPR	
Specialist in Urban Management	2006
Federal University of São Carlos – UFSCAR	
B.S. Architecture and Urbanism	2004
State University of Londrina – UEL	

RESEARCH INTEREST

Urban resilience, climate adaptation planning, and hazard mitigation, with a focus on innovation in planning practices and applied research on decision-support tools for resilience.

RESEARCH PROJECTS

- Nature-Based Solutions for Urban Resilience Planning (PI, Jumpstart Fellowship, 2024–2026)
- IN-CORE applied research on decision-support tools for resilience (2023–present)
- Innovation Drivers of Climate Adaptation (2021–present)
- NIST IN-CORE Playbook Implementation (NIST Center of Excellence for Risk-Based Community Resilience Planning under Cooperative Agreement 70NANB15H044 2019–2025)
- Evaluating Urban Resilience Planning to Mitigate Flood Risks (NSF #1825123, 2019–2021)

GRANTS

Funded Awards

- **PI:** Melina Matos | **Funding Agency:** Jumpstart Postdoctoral Program, Internal Grant, Charles E. Schmidt College of Science Florida Atlantic University | **Year:** 2024
- **PI:** Melina Matos | **Funding Agency:** HI Bridge to Academia Fellowship, NSF AGEP Alliance (NSF # 2015286) | **Year:** 2023
- **PI:** Melina Matos | **Funding Agency:** Lincoln Institute of Land Policy & ACSP Case Study Award | **Year:** 2020

Submitted Proposals (Pending)

- **Co-PI:** Melina Matos | **PI:** John van de Lindt | **Funding Agency:** NSF 25-540 National Science Foundation Translation to Practice (TTP-T) | **Year:** 2025

Submitted Proposals (Not funded)

- **Co-PI:** Melina Matos | **PI:** Stephanie Wakefield | **Funding Agency:** Submitted to Florida Sea Grant College Program FY 2026-2027 Biennial Applied Science Competition | **Year:** 2025
- **Co-PI:** Melina Matos | **PI:** Guirong Yan | **Funding Agency:** NSF24-595: Regional Resilience Innovation Incubator (R2I2) | **Year:** 2025
- **Co-PI:** Melina Matos | **PI:** Omar Nofal | **Funding Agency:** Submitted to Florida Sea Grant College Program FY 2026-2027 Biennial Applied Science Competition | **Year:** 2025

- **Co-PI:** Melina Matos | **PI:** Omar Nofal | **Funding Agency:** NSF24-595: Regional Resilience Innovation Incubator (R2I2) | **Year:** 2025
- **Co-PI:** Melina Matos | **PI:** John Van de Lindt | **Funding Agency:** NSF 24-594: Science and Technology Centers: Integrative Partnerships | **Year:** 2024
- **Co-PI:** Melina Matos | **PI:** John Van de Lindt | **Funding Agency:** NSF 24-576: Gen-4 Engineering Research Centers (ERC) | **Year:** 2024
- **Co-PI:** Melina Matos | **PI:** John Van de Lindt | **Funding Agency:** ROSES-2024: Earth Action: Disaster Risk Reduction, recovery and Resilience (NASA NSPIRES) | **Year:** 2024
- **Co-PI:** Melina Matos | **PI:** Omar Nofal | **Funding Agency:** NSF Confronting Hazards, Impacts and Risks for a Resilient Planet (CHIRRP) | **Year:** 2024
- **Co-PI:** Melina Matos | **PI:** Murat Erkoc | **Funding Agency:** NSF 24-533: Sustainable Regional Systems Research Networks (SRS RNs) | **Year:** 2024
- **Co-PI:** Melina Matos | **PI:** John Van de Lindt | **Funding Agency:** Audacious Project | **Year:** 2024
- **PI:** Melina Matos | **Funding Agency:** NCAR/NSF Early Career Faculty Innovator Program | **Status:** final proposal submitted | **Year:** 2024
- **PI:** Melina Matos | **Funding Agency:** Center for Equitable Transit-Oriented Communities | **Year:** 2024
- **PI:** Melina Matos | **Funding Agency:** Internal Grant, Charles E. Schmidt College of Science Florida Atlantic University | **Year:** 2023

PEER-REVIEWED JOURNAL ARTICLE

In progress

Roohi, M., **Matos, M.**, Van de Lindt, J., (2026) *Tools for disaster resilience: A Comparative Analysis of HAZUS and IN-CORE Models in Salt Lake City* (in progress)

Matos, M., Roy, M., Meerow, S., (2026) *Practical Perspectives on Resilience Definitions* (in progress)

Matos, M., Lima, W., Wakefield, S., (2026) *Between theory and practice: How NBS are incorporated into resilience and hazard mitigation planning* (in progress)

Hamideh, S., **Matos, M.** (2026) *Partnerships with community users to pilot IN-CORE as a resilience planning tool* (in progress)

Published

Sobhaninia, S., Meerow, S., Keith, L., Shaylynn, T., **Matos, M.**, (2025). A Comparison of Plan Integration for Flood and Heat Resilience: A Case Study of Baltimore, MD. *International Journal of Disaster Risk Reduction*

Mitsova, D., Cresswell, K., Bergh, C., **Matos, M.**, Wakefield, S., Freeman, K., Lima, W. C., (2025). A Shoreline Screening Framework for Identifying Nature-Based Stabilization Measures Reducing Storm Damage in the Florida Keys. *Journal of Marine Science and Engineering*

Matos, M. (2025). Innovation drivers in climate adaptation. *Journal of Environmental Studies and Sciences*, 1-20. <https://doi.org/10.1007/s13412-024-01004-1>

Roy, M., Woodruff, S., Meerow, S., Hannibal, B., **Matos, M.**, Gilbertson, P. (2024). Quality of Cities' Networks of Plans and Prospects for Flood Resilience. *Journal of Planning Education and Research* <https://doi.org/10.1177/0739456X241236486>

Meerow, S., Woodruff, S., Hannibal, B., Roy, M., Gilbertson, P., **Matos, M.**, (2024). Urban flood resilience networks: Exploring the relationship between governance networks, networks of plans, and spatial flood resilience policies in four coastal cities. *Annals of the American Association of Geographers* <https://doi.org/10.1080/24694452.2023.2284299>

Matos, M., Gilbertson, P, Woodruff, S., Meerow, S., Roy, M., Hannibal, B., (2023). Comparing hazard mitigation and climate change adaptation planning approaches. *Journal of Environmental Planning and Management* <https://doi.org/10.1080/09640568.2022.2093171>

Hannibal, B., Meerow, S., Woodruff, S., Roy, M., Gilbertson, P, **Matos, M.**, (2022). Who collaborates on urban resilience? An analysis of flood resilience planning networks in four coastal cities. *Journal of Urban Affairs* <https://doi.org/10.1080/07352166.2022.2137033>

Woodruff, S., Meerow, S., Hannibal, B., **Matos, M.**, Roy, M., Gilbertson, P. (2022). More than the sum of their parts: approaches to understand a network of plans. *Journal of Planning Education and Research* <https://doi.org/10.1177/0739456X221096395>

Woodruff, S., Meerow, S., Hannibal, B., **Matos, M.**, Roy, M., Gilbertson, P., Malecha, M., Siyu, Y., Berke, P. (2021). Is flood resilience planning improving? A longitudinal analysis of networks of plans in Boston and Fort Lauderdale. *Climate Risk Management*. <https://doi.org/10.1016/j.crm.2021.100354>

Roberts, A., **Matos, M.** (2020). Adaptive liminality: Bridging and bonding social capital between urban and rural Black meccas. *Journal of Urban Affairs*, 1-22 <https://doi.org/10.1080/07352166.2020.1722030>

OTHER PUBLICATIONS

Technical Reports

Matos, M., Nofal, O., van de Lindt, J. W., & Kruse, J. (2025). *Hazard Scenarios: A roadmap to resilience Santa Cruz County, CA* (Project Report 2025-006). Project IN-CORE, AT&T Resilient Communities Initiative. Retrieved from <https://www.in-core.org>

Matos, M., Johnston, B., Nofal, O., Skakel, K., van de Lindt, J. W., & Kruse, J. (2025). *Understanding flood scenarios: A roadmap to resilience for Feelsmere, FL* (Project Report 2025-005). Project IN-CORE, Geos Institute Climate Ready America Southeast Navigator Network. Retrieved from <https://www.in-core.org>

Matos, M., Johnston, B., Nofal, O., Skakel, K., van de Lindt, J. W., & Kruse, J. (2025). *Understanding flood scenarios: A roadmap to resilience for Homestead, FL* (Project Report 2025-004). Project IN-CORE, Geos Institute Climate Ready America Southeast Navigator Network. Retrieved from <https://www.in-core.org>

Matos, M., Johnston, B., Nofal, O., Skakel, K., van de Lindt, J. W., & Kruse, J. (2025). *Understanding flood scenarios: A roadmap to resilience for Goose Creek, SC* (Project Report 2025-003). Project IN-CORE, Geos Institute Climate Ready America Southeast Navigator Network. Retrieved from <https://www.in-core.org>

Matos, M., Jeon, H., Johnston, B., Nofal, O., Skakel, K., van de Lindt, J. W., & Kruse, J. (2025). *Understanding flood scenarios: A roadmap to resilience for Liberty County, GA* (Project Report 2025-002). Project IN-CORE, Geos Institute Climate Ready America Southeast Navigator Network. Retrieved from <https://www.in-core.org>

Matos, M., Jeon, H., Johnston, B., Nofal, O., Skakel, K., van de Lindt, J. W., & Kruse, J. (2025). *Understanding flood scenarios: A roadmap to resilience for Chatham County, GA* (Project Report 2025-001). Project IN-CORE, Geos Institute Climate Ready America Southeast Navigator Network. Retrieved from <https://www.in-core.org>

Community Profiles

Hamideh, S, **Matos, M.** (Eds.). (2021). *Community Resilience Planning Profile: Galveston, TX* – Center for Risk-Based Community Resilience Planning (CoE). Fort Collins, CO. Colorado State University

Hamideh, S, **Matos, M.** (Eds.). (2021). *Community Resilience Planning Profile: Joplin, MO* – Center for Risk-Based Community Resilience Planning (CoE). Fort Collins, CO. Colorado State University

Hamideh, S, **Matos, M.** (Eds.). (2021). *Community Resilience Planning Profile: Salt Lake City, UT* – Center for Risk-Based Community Resilience Planning (CoE). Fort Collins, CO. Colorado State University

Hamideh, S, **Matos, M.** (Eds.). (2021). *Community Resilience Planning Profile: Monterey County, CA* – Center for Risk-Based Community Resilience Planning (CoE). Fort Collins, CO. Colorado State University

Hamideh, S, **Matos, M.** (Eds.). (2021). *Community Resilience Planning Profile: Memphis, TN* – Center for Risk-Based Community Resilience Planning (CoE). Fort Collins, CO. Colorado State University

Meerow, S., Woodruff, S., Hannibal, B., **Matos, M.**, Roy, M., Gilbertson, P. (2021). “*Building resilience in Seattle: An analysis of city plans.*” Resilience Planning Networks Project. Tempe, AZ. Arizona State University and Texas A&M University. <https://doi.org/10.48349/ASU/YXUSKY>

Meerow, S., Woodruff, S., Hannibal, B., **Matos, M.**, Roy, M., Gilbertson, P. (2021). "Building resilience in Fort Lauderdale: An analysis of city plans." Resilience Planning Networks Project. Tempe, AZ. Arizona State University and Texas A&M University. <https://doi.org/10.48349/ASU/8PHIUK>

Meerow, S., Woodruff, S., Hannibal, B., **Matos, M.**, Roy, M., Gilbertson, P. (2021). "Building resilience in Baltimore: An analysis of city plans." Resilience Planning Networks Project. Tempe, AZ. Arizona State University and Texas A&M University. <https://doi.org/10.48349/ASU/UKDZ2U>

Meerow, S., Woodruff, S., Hannibal, B., **Matos, M.**, Roy, M., Gilbertson, P. (2021). "Building resilience in Boston: An analysis of city plans." Resilience Planning Networks Project. Tempe, AZ. Arizona State University and Texas A&M University. <https://doi.org/10.48349/ASU/VPO9LD>

Woodruff, S., Meerow, S., Hannibal, B., **Matos, M.**, Roy, M., Gilbertson, P. (2020). "Resilience planning networks: Plan analysis methodology." Resilience Planning Networks Project. Tempe, AZ. Arizona State University and Texas A&M University. <https://doi.org/10.48349/ASU/MLH3ON>

ACADEMIC APPOINTMENTS

- **Assistant Professor**, Department of Urban & Regional Planning, Florida Atlantic University (2023–present)
- **Instructor**, Albany State University, Political Science (2021–2023)
- **Research Assistant**, Texas A&M University, Center for Risk-Based Community Resilience Planning (2019–2023)
- **Graduate Teaching Assistant**, Texas A&M University (2017–2019)
- **Graduate Teaching Assistant**, Texas Tech University (2016–2017)
- **Research Assistant**, Old Dominion University, School of Public Service (2015)

TEACHING EXPERIENCE

Florida Atlantic University (2023–present)

- URP 3000: Introduction to Urban Planning and Design (Undergraduate)
- URP 4011: Planning Methods (Graduate)
- URP 4430: RI Planning for Hazards and Disasters (undergraduate)
- URP 6439: Disaster, Hazard Mitigation and Recovery (graduate)
- URP 4955/5958: Planning Abroad (Paris and London)
- URP 4403: RI Sustainable Cities (Undergraduate, Online)
- URP 6873: Site Planning (Graduate)

Albany State University (2021–2023)

- POLS 1101: American Government
- POLS 1105: Global World Issues

Texas A&M University (2017–2019)

- PLAN 629: Neighborhood Revitalization
- PLAN 664: Planning History & Theory

SERVICE TO THE DISCIPLINE/PROFESSION

Collaborative Partnerships with External Organizations

- **AT&T Climate Resilience Initiative** – Collaborator, *Applied Research* (2024 – present)
- **Geos Institute – Climate Ready America Southeast Navigator Network** – Collaborator, *Applied Research* (2024 – present)
- **Project IN-CORE** – *Community Engagement Specialist & Applied Research Collaborator* (2024 – present)

Service at Florida Atlantic University

University

- 2023-Present | Faculty advisor of the FAU Sustainability Club

College

- 2023-Present | Scholarship Committee
- 2023-Present | the DoR Associate Program Review Committee
- 2025-Present | Undergraduate Committee

Department

- 2023-2024 Committee Member, Tenure Track Assistant Professor Hiring Committee
- 2023-2024 Committee Member, Research Associate/IT Coordinator position

Peer Reviewer

- Environmental justice, International journal of disaster risk reduction, Journal of environmental management, Journal of environmental planning and management, Journal of planning education and research, Journal of planning literature

Conference Organization

- Member of the organization committee of the Researchers Meeting for the Natural Hazards Workshop

Leadership Roles

- Vice President, URSSO (Texas A&M); President-elect, ASPA High Plains Chapter

Professional Membership, Affiliations & License

- ACSP – Association of Collegiate Schools of Planning
- APA – American Planning Association
- Urban Affairs Association
- Licensed Professional Urban Planner (2004 to current), Brazil – CAU (Conselho de Arquitetura e Urbanismo)

OTHER PROFESSIONAL EXPERIENCES

Urban Planning Consultant (Brazil, 2004–2014): Coordinated and developed city plans, land use policies and ordinances for 30+ municipalities. The activities included fieldwork, technical analyses, community engagement processes, and collaboration with the State, National, and International agencies such as the Inter-American Development Bank, municipal governments, and NGOs.