

Dr. Graham's Speaking Topics on Environmental Justice, Middle Housing, and the Built Environment

**Talk Title: Rooted in Place with GIS**

***Descriptor: Exploring How People, Nature, GIS, and Design Shape Communities***

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Rooted in Place with GIS invites affordable housing and environmental justice professionals to explore the deep connections between people, nature, GIS, and the built environment. This engaging session highlights how thoughtful design, supported by geographic information systems, can restore ecosystems, honor community identity, and promote equity. Attendees will gain fresh insights and practical GIS-based strategies to create housing solutions that are not only sustainable but also rooted in environmental justice and place-based resilience.



**Talk Title: Bridging the Gap with GIS**

***Descriptor: Connecting Communities, Ecosystems, GIS, and Equity Through the Built Environment***

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Bridging the Gap with GIS examines how the built environment and geographic information systems can serve as powerful connectors between communities, ecosystems, and equitable opportunity. This talk presents a compelling examination of how infrastructure, housing, urban design, and GIS tools can either divide or unite people and the natural environment. Attendees will discover innovative, data-driven approaches that promote environmental justice while fostering inclusive, resilient neighborhoods.

**Talk Title: Designing for Environmental Justice with GIS**

***Descriptor: How Environmental Well-Being, GIS, and the Built Environment Create Sustainable Communities***

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Designing for Environmental Justice with GIS examines how the built environment, combined with GIS tools, can catalyze the promotion of health, sustainability, and equity in historically marginalized communities. This session highlights the intersection of urban design, environmental well-being, GIS mapping, and social justice, offering actionable strategies to transform housing and infrastructure into tools for empowerment and social justice. Participants will leave with a deeper understanding of how thoughtful, GIS-informed design supports long-term community resilience.

Dr. Graham's Speaking Topics on Environmental Justice, Middle Housing, and the Built Environment

**Talk Title: Designing Environmental Justice Through Affordable Housing and GIS**

***Descriptor: How the Built Environment and GIS Shape Equity, Nature, and Community Well-Being***

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Designing Environmental Justice Through Affordable Housing and GIS explores how housing design, development, and GIS data can promote equity, protect natural systems, and foster thriving communities. This session highlights the vital role of GIS-integrated built environments in addressing environmental injustices and promoting access to healthy, resilient living spaces. Attendees will gain tools and inspiration to integrate environmental stewardship, social equity, and geospatial analysis into affordable middle housing projects.

**Talk Title: Designing with Nature: Biomimicry, GIS, Affordable Middle Housing, and the Built Environment**

***Descriptor: Exploring Nature-Inspired and GIS-Based Solutions for Equitable and Sustainable Communities***

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Designing with Nature integrates biomimicry and GIS to transform affordable middle housing and the built environment, fostering equity and sustainability. This talk introduces innovative, nature-based, and geospatial strategies that address environmental justice challenges while promoting healthier and more resilient communities. Attendees will learn how ecosystems and GIS insights can work together to inspire practical design solutions that benefit both people and the planet.

**Talk Title: Nature-Inspired Neighborhoods with GIS**

***Descriptor: Biomimicry, GIS, and Affordable Middle Housing for Equitable, Resilient Communities***

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Nature-Inspired Neighborhoods with GIS showcases how biomimicry and geospatial analysis can guide the creation of affordable middle housing that is both equitable and environmentally resilient. This talk examines how natural systems and GIS technologies inform sustainable design, offering insights into creating communities that adapt, thrive, and promote environmental justice. Participants will learn to apply nature's principles and GIS tools to housing solutions that meet the needs of both people and ecosystems.

Dr. Graham's Speaking Topics on Environmental Justice, Middle Housing, and the Built Environment

**Talk Title: Blueprints from Nature with GIS**

***Descriptor: Biomimicry, GIS, Affordable Middle Housing, and Justice in the Built Environment***

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Blueprints from Nature with GIS explores how the principles of biomimicry and geographic information systems can revolutionize affordable middle housing and advance justice in the built environment. Drawing inspiration from nature's time-tested designs and GIS data, this session reveals innovative strategies for creating sustainable and inclusive communities. Attendees will gain a fresh perspective on how ecological wisdom and geospatial insight can inform housing solutions that prioritize equity, resilience, and environmental health.

**Talk Title: Living Design with GIS**

***Descriptor: Biomimicry, GIS, and Affordable Middle Housing Design for Environmental Justice and Equity***

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Living Design with GIS invites participants to reimagine affordable middle housing through the lens of biomimicry and geospatial thinking, where nature's intelligence and GIS analysis shape spaces that support sustainability. This session explores how living systems and mapping tools can inspire design solutions that promote equity, environmental health, and community resilience. Attendees will gain insights into integrating ecological principles and GIS data into middle housing projects that are both functional and transformative.