

GRADUATE EXIT SEMINAR

Harrison Fried

Navigating complexity in social-ecological systems: How interdependence shapes collaboration and issue management in the context of climate change adaptation governance.



In this dissertation, I show how social-ecological network analysis methods can be applied, grounded, and reshaped through meaningful involvement with environmental practitioners who are part of the network. To do so, I analyze climate change adaptation governance in Columbus, Ohio, which is a system comprised of over one hundred unique stakeholder organizations, 19 climate adaptation-related issues, and their interconnections. In the first chapter, I apply social-ecological network analysis methods to explore how community-engaged network tools can help to overcome issue-based fragmentation in environmental governance systems. In doing so, I uncover the uses, limitations, and design principles of a social-ecological network decision support tool that recommends social partnerships based upon ecological interdependence. In the second chapter, I ground social-ecological network analysis methods by exploring whether social-ecological interdependence affects how stakeholders evaluate potential partnerships. Then, in the third chapter, I reshape common

approaches to social-ecological network analysis by qualitatively identifying the range of strategies that environmental stakeholders utilize as they navigate ecological interdependence. Across each of the three chapters in this dissertation, I explore how complexity in social-ecological systems shapes stakeholder decision-making related to collaboration and issue engagement.

Wednesday, July 10, 2024
9:00 AM

Advisors: Dr. Ramiro Berardo &
Dr. Matthew Hamilton

Location: Kottman Hall 245

Join the seminar via Zoom:

<https://osu.zoom.us/j/8998482166?pwd=eERVeWlZZGhjaVR0eTJ6NlhwMmJCdz09>

Meeting ID: 899 848 2166

Password: 412883

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