CFAES

SCHOOL OF ENVIRONMENT AND NATURAL RESOURCES

GRADUATE EXIT SEMINAR

MADISON ANDERSON

Are we on the same page? Informing adaptive management of outdoor rock climbing using document analysis and fuzzy cognitive mapping

This study aimed to represent and characterize the system of outdoor rock climbing to inform the policy planning process as part of the adaptive management framework (AMF). Research conducted included a comparative analysis of management policies included in 26 climbing management plans (CMPs) across six different land manager groupings (International, National Park, Forest Service, State, Coop/coalition, and Local/private) through text to data analysis, construction of a system model for policy scenarios testing using the participatory modeling tool known as fuzzy cognitive mapping (FCM) derived from causal link statements found within the CMPs, and policy scenario pre-testing of five different potential policies informed by system variable 'driverness'. By utilizing the fuzzy computational relationships derived from existing CMPs, this study was able to provide a dynamic representation of the study system for continued policy testing and make recommendations to varying land managers on the adaptive management of outdoor climbing despite existing barriers to studying the system.

Advisor: Dr. Alia Dietsch

THURSDAY, APRIL 1, 2021
1:30 P.M.

Join the seminar via Zoom:
https://osu.zoom.us/j/96438995220?pwd=Q1lvY2FXek5RSVRvcUVuRHlWMlp3dz09