



NCEAS MONTHLY ROUNDTABLE

Thursday, March 7, 2024, @ 3:30 pm

In Person on the 3rd Floor Lounge + Zoom

Followed by an optional terrace happy hour

Millie Chapman

National Center for Ecological Analysis and Synthesis

From individual decisions to international agreements: Addressing biodiversity loss in an age of algorithms

Artificial intelligence is reshaping our response to global environmental change, shifting not only how we collect and process ecological and earth system data but also how we make and enforce natural resource management decisions. In this talk, I will explore how emerging decision-making algorithms, guided by an ever-growing amount of data on species and ecosystems, can help inform more robust and strategic implementation of multilateral biodiversity policy in the face of uncertainty. Next, I will situate environmental applications of decision-making technologies in broader societal discussions about power dynamics, transparency, and biases in both underlying data and algorithms themselves.



About the Speaker: [Millie Chapman](#) is a postdoc at the [National Center for Ecological Analysis and Synthesis](#) (NCEAS) and a core team member at [Climate Change AI \(CCAI\)](#). Her research is at the intersection of decision theory, ecology, and data justice, asking how we can develop more effective and equitable strategies to meet global biodiversity targets in an age of AI. Millie received her PhD from the University of California Berkeley in the Department of [Environmental Science, Policy, and Management \(ESPM\)](#).

Questions, comments, or concerns?

Contact: roundtable-org@nceas.ucsb.edu