

Timing and Magnitude of River Reorganization in the Brazilian Amazon

The Graduate Center, Queens College (CUNY)



In tectonically active regions, geomorphic adjustments have been studied using various techniques, and their triggers are well understood. However, tectonically quiescent areas also show signs of ongoing topographic change but lack a clear trigger. Thus, we aim to investigate how lithology influences these adjustment processes, such as divide migration and drainage capture, using the Brazilian Amazon as a natural laboratory.



Visitors: Michael Reed and Grace Alves

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Michael Reed is a PhD student at the Graduate Center (CUNY). He is interested in drainage network reorganization processes and landscape evolution. Grace Alves is an Assistant Professor at the Federal University of Bahia and a Postdoc at CUNY, specializing in soil genesis, vegetation dynamics, and landscape evolution in the context of climate change.