

Flores et al 2024:

1. How do the defined thresholds for Amazon transitions compare to other global transitions? Are these thresholds adequately robust, or are they subject to significant uncertainty?
2. The study uses CMIP6 models to simulate future climate scenarios and evaluate critical thresholds for the Amazon. Given the inherent variability and assumption of the CMIP6 models, how do these limitations influence the reliability of predictions regarding Amazon tipping points? Are there alternative modeling frameworks or observable data strengthening these conclusions?
3. Given that different regions of the Amazon may exhibit varying degrees of resilience, how do tipping points propagate spatially? Can more resilient areas buffer vulnerable regions, or will localized tipping points cascade system-wide?
4. What observable indicators might signal that the Amazon is nearing a critical transition?
5. Given the findings of this study, what should be the top priorities for Amazon conservation? Are regional solutions enough without global emissions reductions?

Su et al 2024:

1. Do we feel the locations of lakes sampled is sufficient for the conclusions made? Do we think variables such as taxa and anthropogenic alteration might have biased the results?
2. What do you think of Fig. 3?
3. Do we think the results of this meta-analysis would have changed if they incorporated temporal functional diversity?
4. What are the implications for the finding of increased species richness before a regime shift, particularly for managers with long-term monitoring programs? (does not have to just be a lentic system)