

Montoya et al. 2018

1. Let's talk about Box 1. Particularly the last few sentences. Do we agree or disagree and why? In the case that we all agree with the author, how might someone who believes in tipping points refute this?
2. "Neither theory nor empirical data support any threshold of biodiversity below which ecosystem function is compromised." Do we agree with this statement?
Think back to Nystrom et al. 2000, where there was a transition from hard coral to algae dominance due to the loss of biodiversity of fishes and sea urchins. Is this demonstrating a threshold of biodiversity below which ecosystem function is compromised?
3. The authors draw attention to other terms such as 'sustainability', 'health', and 'harmony' that are not clearly defined. Can y'all think of ways these terms have been misused or potential misunderstandings that can come from using these terms too lightly?
4. In what ways might focusing on planetary boundaries distract from more immediate threats to biodiversity?

Latty and Dakos 2019

1. Does the group find the theoretical evidence of the existence of threshold responses at each level compelling (or is it just more handwaving?) Does this change/alter your current stance on the existence of critical thresholds?
2. What does it mean to manage a system with nonlinearity, thresholds, and tipping points in mind?
3. What are resilience indicators, and can they accurately assess the risk of nonlinear responses?
4. Do we think it is possible for interactions between different levels of the pollination system to cause cascading effects that lead to entire pollination system collapse"?