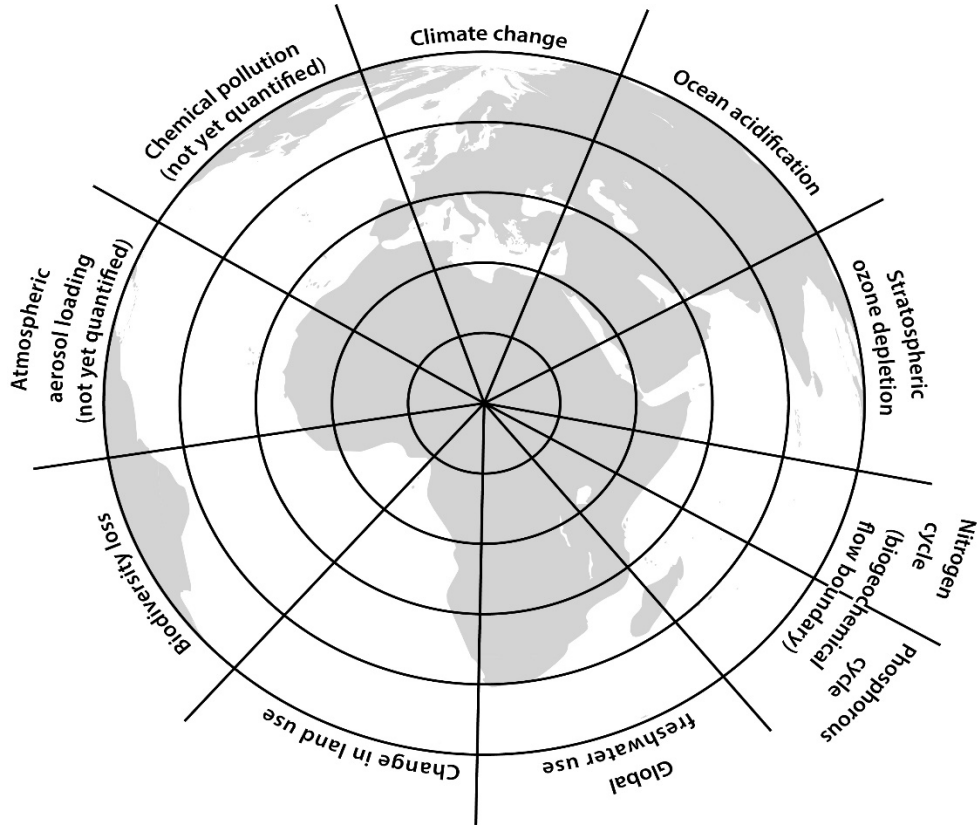


Directions

Each of the terms along the outside of the figure below represents a “planetary boundary” that the authors of our upcoming paper argue must not be transgressed to prevent human activities from causing unacceptable environmental change. These boundaries thus define the safe operating space for humanity with respect to the Earth system and are associated with the planet’s biophysical processes.

1. Draw the average predication among your group members for each of the planetary boundaries



2. Identify the three largest discrepancies between your predictions and that presented by the authors. What processes or patterns were used to explain the current position of where we are along these three boundaries?

Planetary Boundary	Current Position according to Rockstrom et al. (%)	Explanation Presented in the Paper