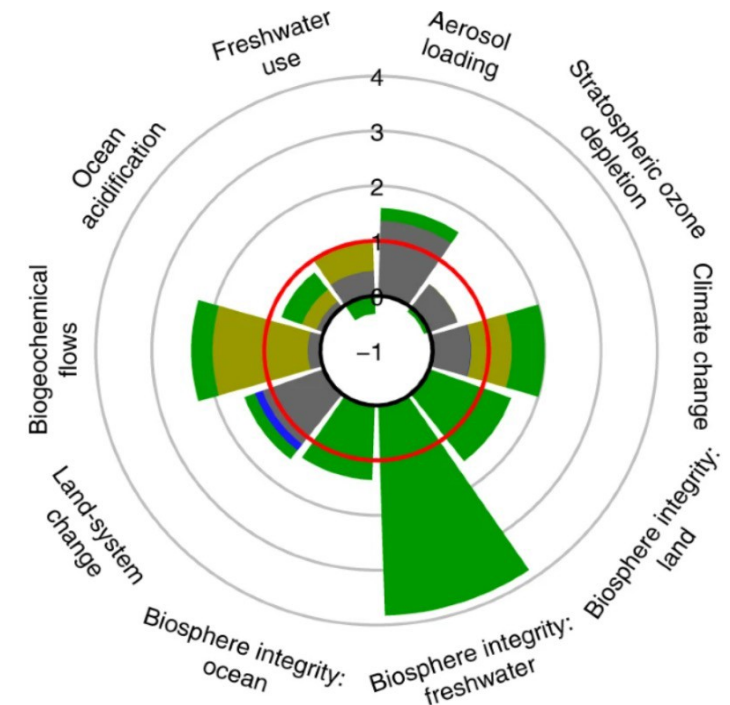


Planetary boundaries - Defining parameters

Source: Lade, S.J., Steffen, W., de Vries, W. *et al.* Human impacts on planetary boundaries amplified by Earth system interactions. *Nat Sustain* 3, 119–128 (2020). <https://doi.org/10.1038/s41893-019-0454-4>



Contribution from

- Biophysically mediated interactions
- Parallel human drivers
- Reactive human-mediated interactions
- Direct human impacts

Reference value

- Boundary value
- Pre-industrial



“Living within planetary boundaries means that global warming is stabilized at no more than +1.5°C, and natural systems are protected, restored and used sustainably. It also means that societies have developed sufficient adaptive capacity to build and maintain resilience in a healthy and regenerative Earth system.”