

## **An Eco-Security System for All People, No Country should be Lost - *One Target ·An Eco-Security System for All People (Pakistan Initiative)***

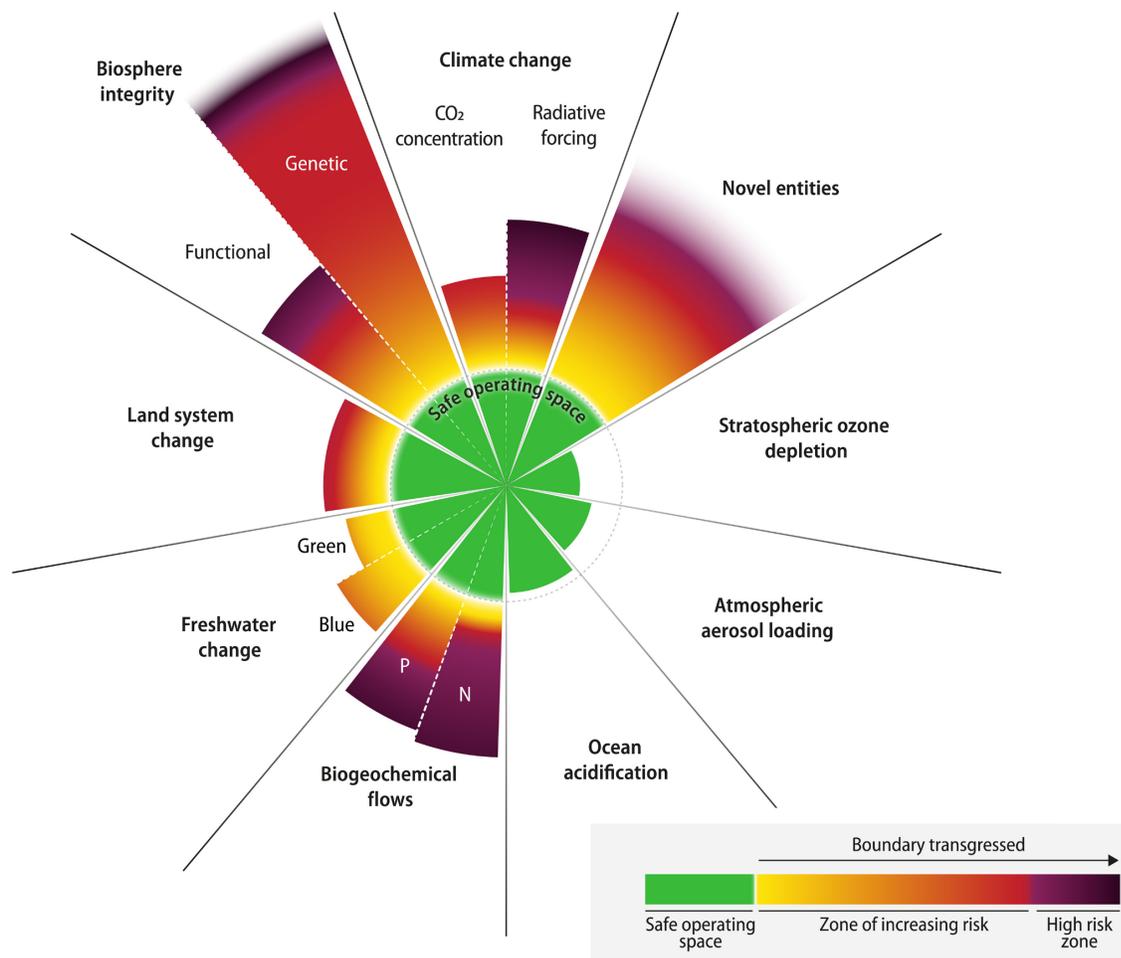
**Let's join hands to respond to the eco-security challenges highlighted below, through an integrated approach of Environment Security, Biological Diversity, Food Security, Public Health Security and Livelihood Security**

## **Will you join us?**

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Six of the nine planetary boundaries are transgressed. In addition, ocean acidification is approaching its planetary boundary. The green zone is the safe operating space (below the boundary). Yellow to red represents the zone of increasing risk. Purple indicates the high-risk zone where interglacial Earth system conditions are transgressed with high confidence. Values for control variables are normalized so that the origin represents mean Holocene conditions and the planetary boundary (lower end of zone of increasing risk, dotted circle) lies at the same radius for all boundaries (except for the wedges representing green and blue water, see main text). Wedge lengths are scaled logarithmically. The upper edges of the wedges for the novel entities and the genetic diversity component of the biosphere integrity boundaries are blurred either because the upper end of the zone of increasing risk has not yet been quantitatively defined (novel entities) or because the current value is known only with great uncertainty (loss of genetic diversity). Both, however, are well outside of the safe operating space. Transgression of these boundaries reflects unprecedented human disruption of the Earth system but is associated with large scientific uncertainties.

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Reference: [Richardson et al.](#), Sci. Adv. 9, eadh2458 (2023)



Website: <https://dairysciencepark.org/ness/>