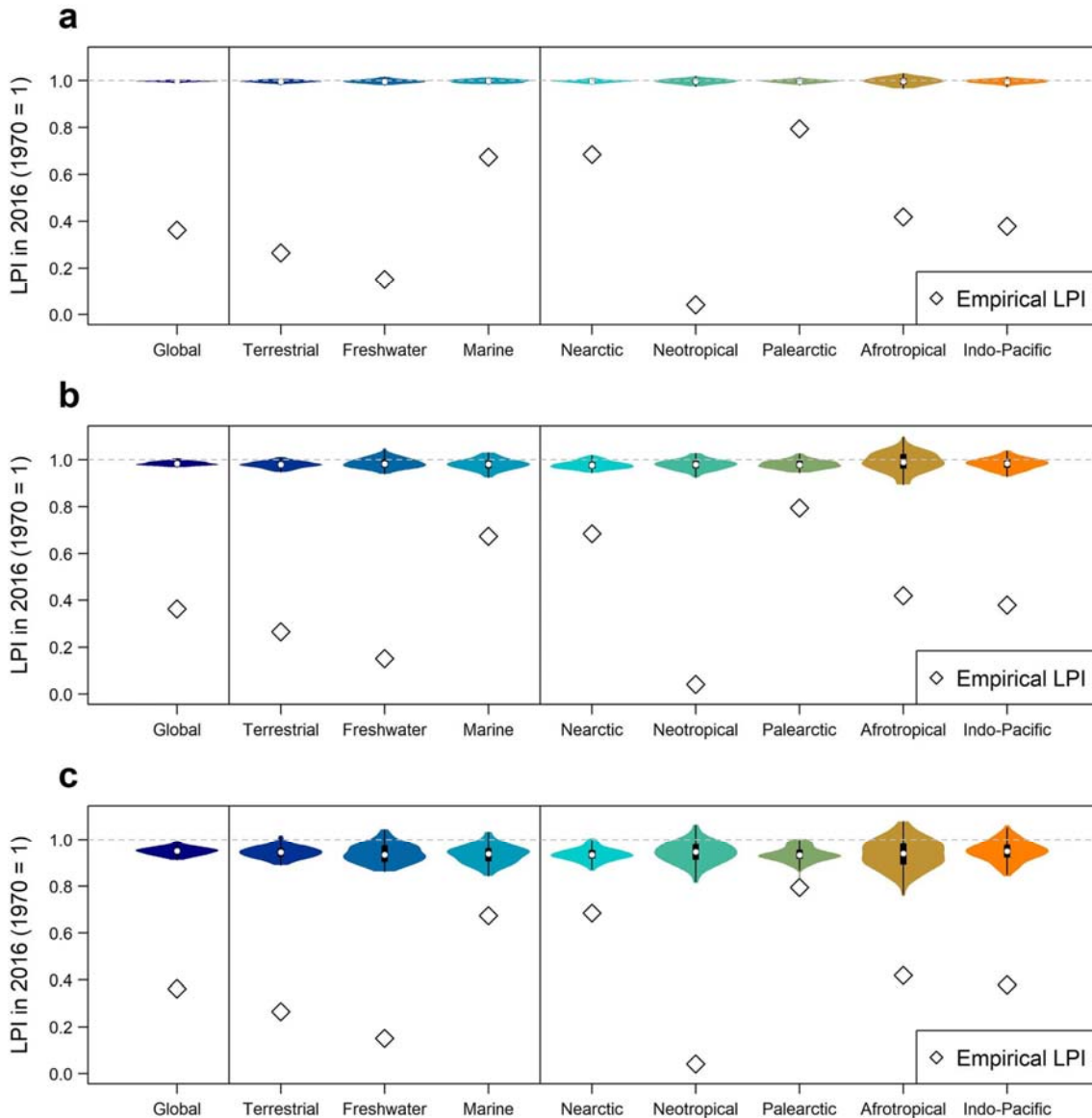


Extended Data Fig. 2: The Living Planet Index (LPI) for randomly fluctuating populations that are stable on average.

From: Random population fluctuations bias the Living Planet Index



Empirical estimates of the LPI are consistently lower than stable time series with the same starting population, but which fluctuate by 1% (**a**), 3% (**b**) and 5% (**c**) each year. Violin plots show the distribution of LPI values from 100 iterations, with white circles representing mean LPI across all iterations of the null model and white diamonds showing the empirical LPI. Data are for the global, terrestrial, freshwater and marine LPI, as well as the LPI for each biogeographical realm.