

Supplementary Information

Figure 1

TukeyHSD plots illustrating the 95% confidence interval of differences between ecosystem types. The mean annual temperature and precipitation are the corresponding values for the respiration data.

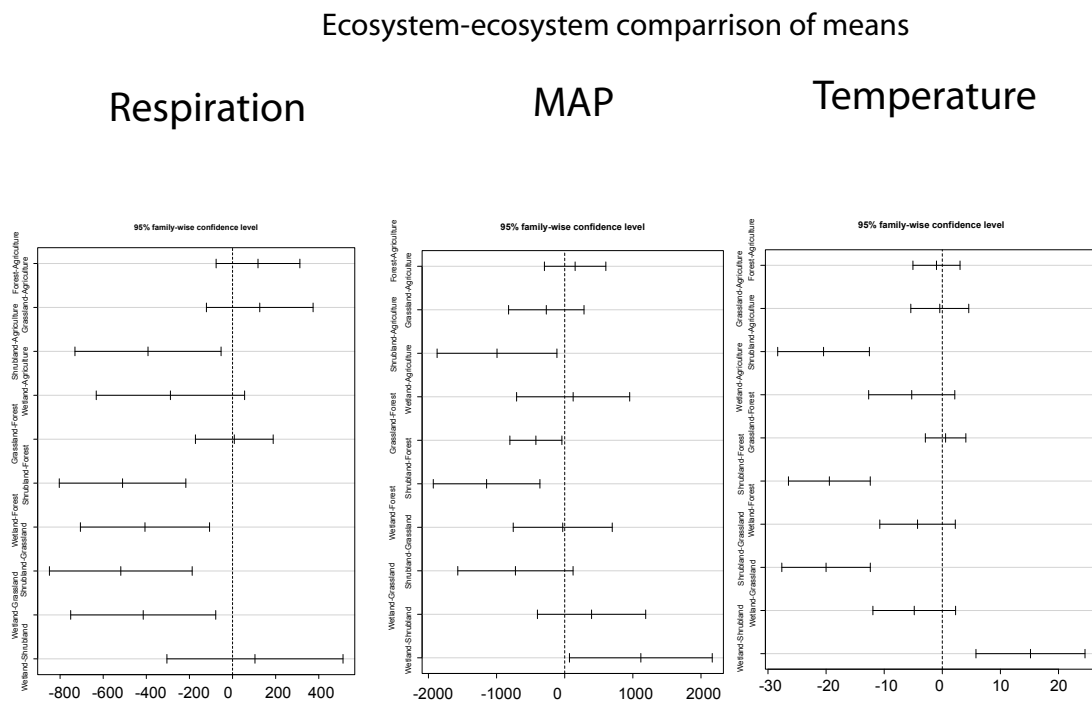


Figure 2

Principal component analysis (PCA) resolving for the following variables: soil respiration, mean annual temperature, mean annual precipitation, MODIS precipitation estimate for measurement year, MODIS estimate of potential evapotranspiration and latitude.

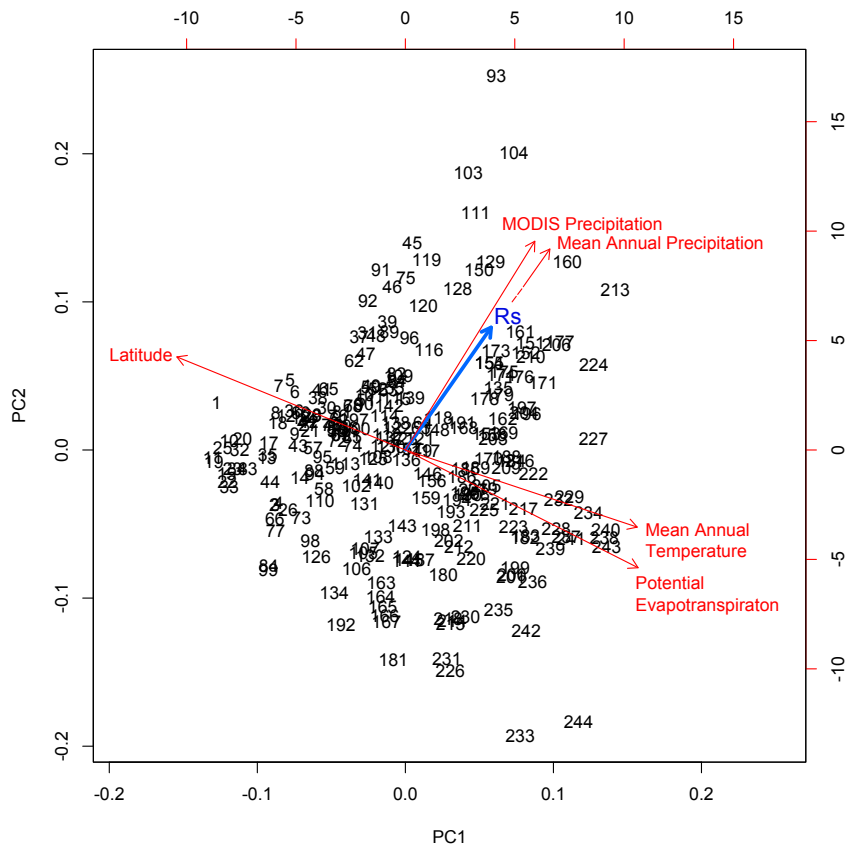


Figure 3

Total annual soil respiration ($\text{g C m}^{-2} \text{ yr}^{-1}$) overlain with soil classification based on relative composition of silt, sand and clay. Mid-latitudes only.

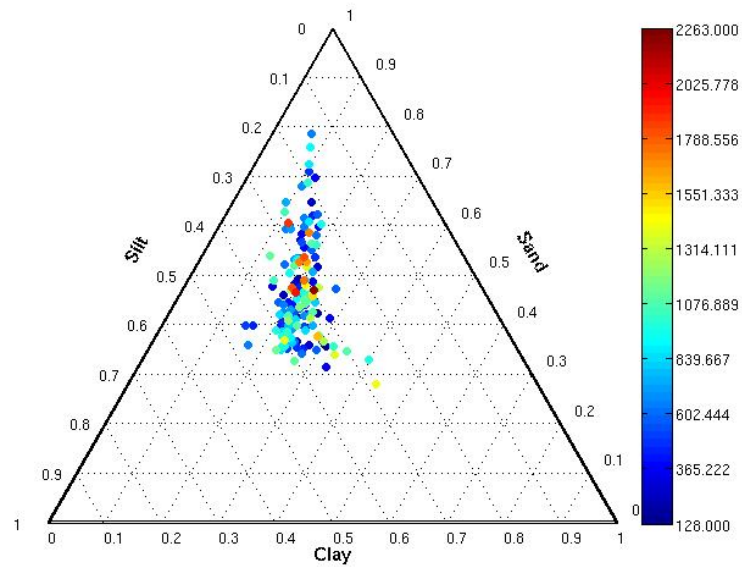


Figure 4

Annual flux of total soil respiration at ambient and elevated atmospheric CO₂ concentrations (g C m⁻² yr⁻¹). Note increasing divergence: higher initial flux gives a higher flux under elevated conditions, but not as a percentage increase from ambient flux.

