Chart, scatter chart

Description automatically generated

## Panel A.

* Change in total abundance and total energy use are strongly correlated without consistent decoupling.
  + Size shifts in which – for example – average body size decreases but E remains relatively constant would give points below the 1:1 line
  + While there is error around the 1:1 line there’s not a directionality to it
  + In reality I know that the mean body size *increases* more often than it decreases, but the magnitude is small.
* This means the average per capita metabolic rate is not changing very much. This could be accomplished because of size-structured replacement in the ISD, or because of high conservation of species composition.
* Heterogeneity in magnitude and direction of changes. Increases are more common than decreases, but the magnitude is consistently small.

## Panel B.

* The ISD is consistently more conserved than species composition
* However turnover in both is low.

## Panel C.

* Turnover in the ISD does not deviate from a null model preserving species turnover but without respect to body size.

## Overall