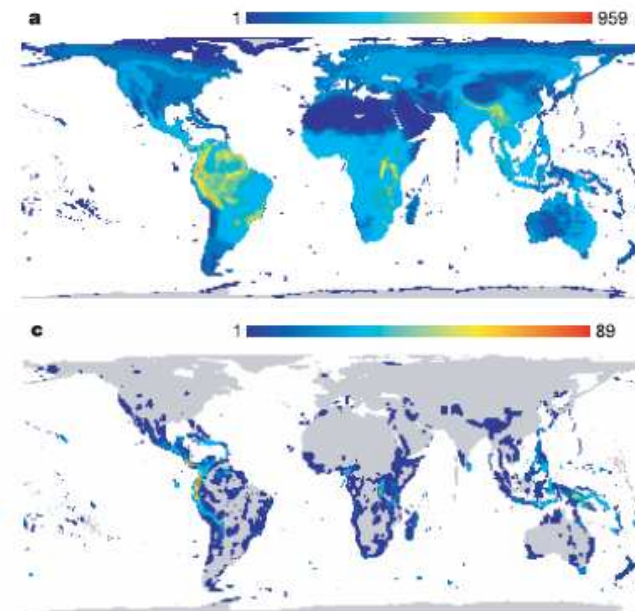


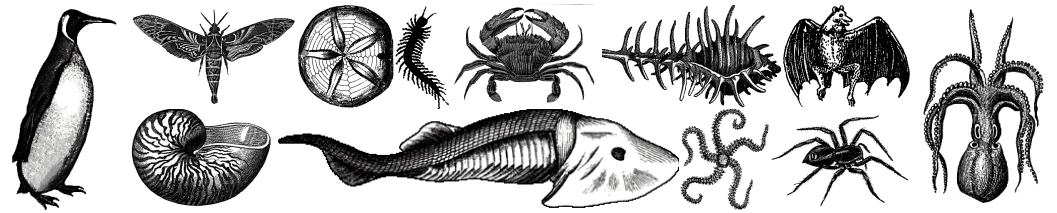
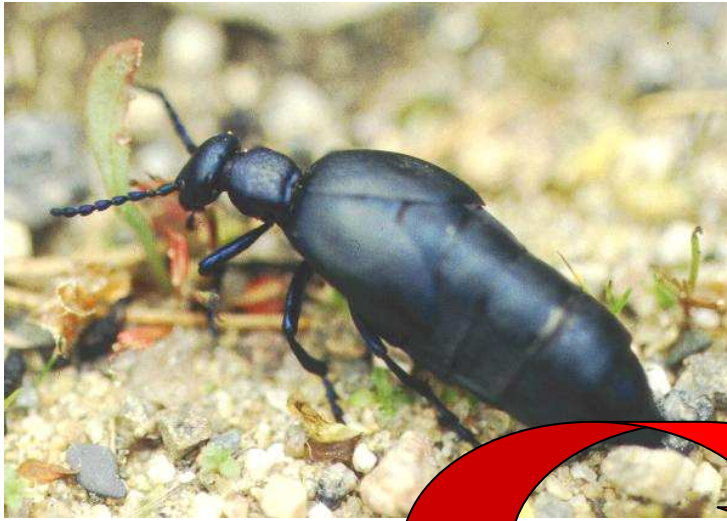
Evolutionary ecology at the global scale

Questions from the FADA database



Diego Fontaneto

Imperial College London
d.fontaneto@imperial.ac.uk



Taxon-specific features

geography-specific features

Diversity

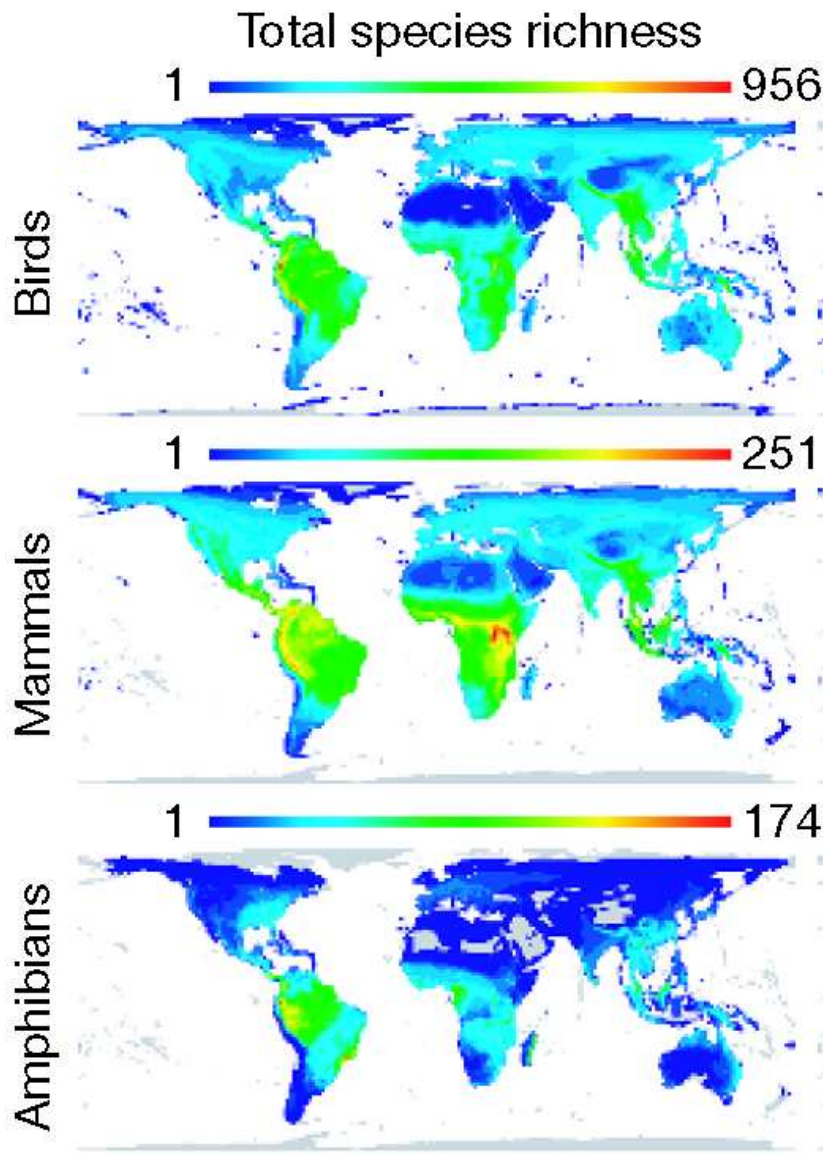


FADA database for Patterns and Processes

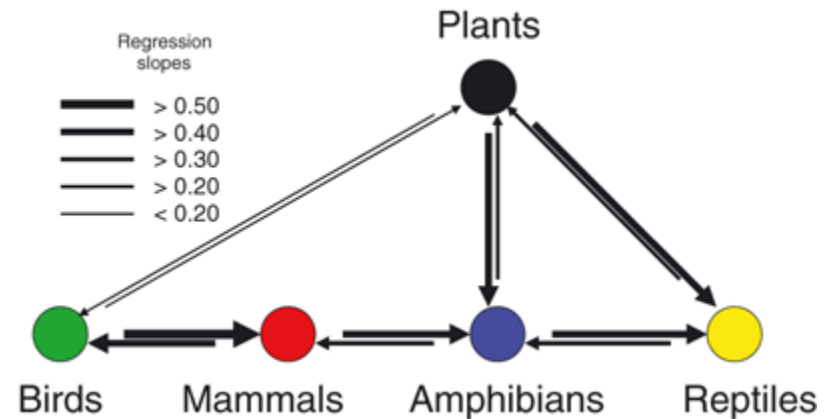
Topics

1. Congruencies in species richness between taxa
2. Overlap of species richness, rarity and endemism
3. Body size and geographic range size
4. Species richness – human population relationship

1. Congruencies in species richness between taxa



(Grenyer et al., 2006: Nature)



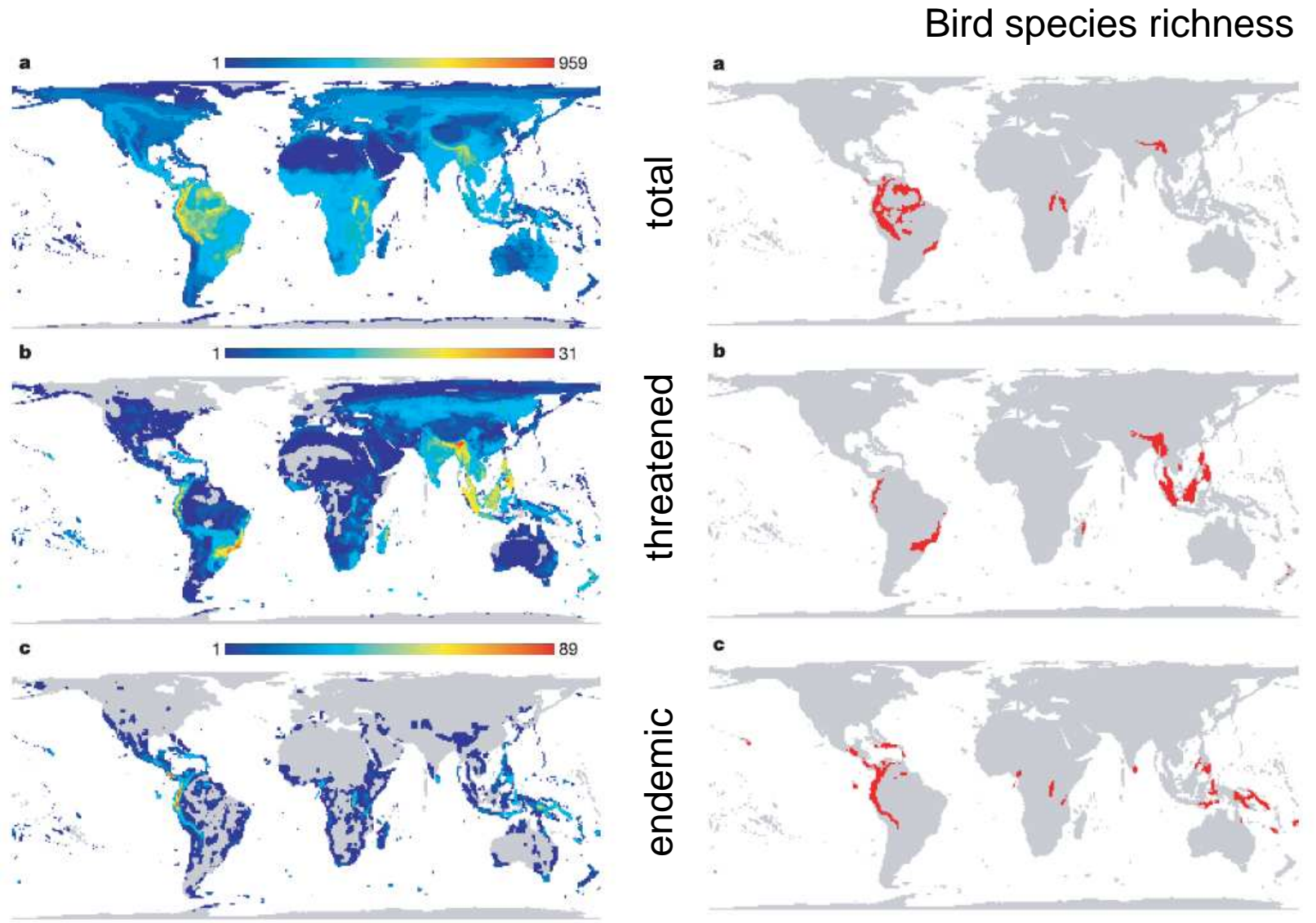
(Qian & Ricklefs, 2008: Ecology Letters)

No data available for invertebrates

No data available for freshwater

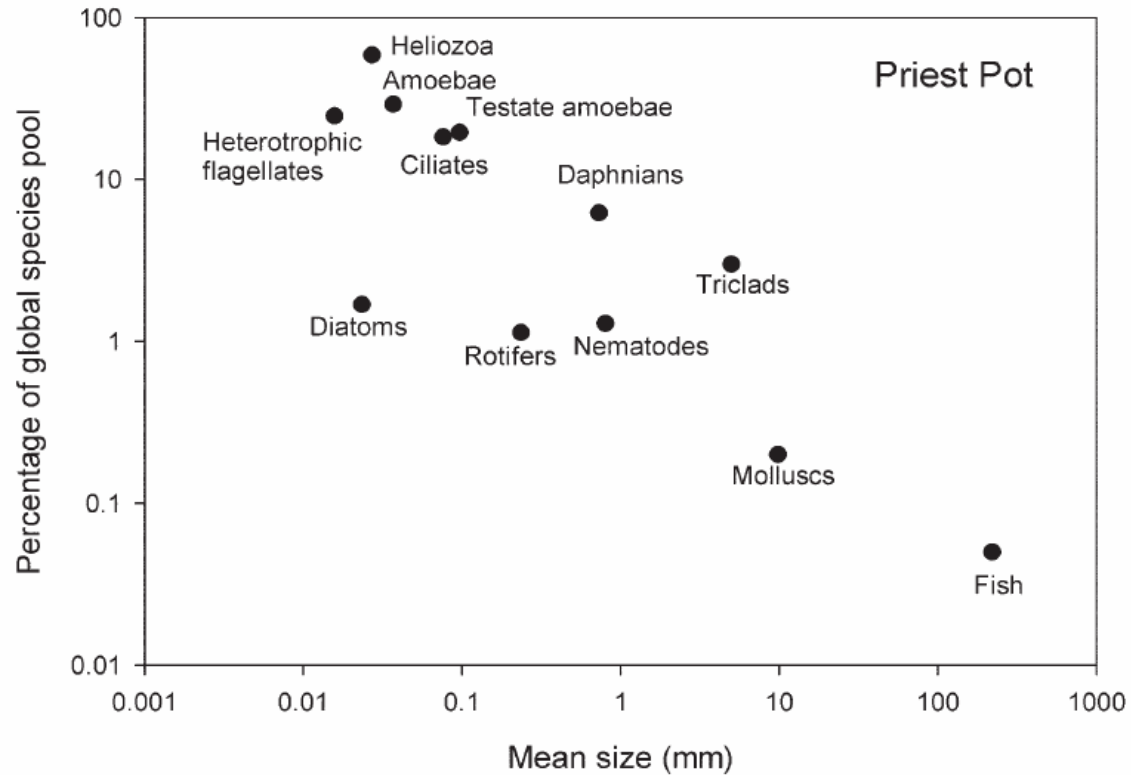
Conservation priorities!

2. Overlap of species richness, rarity and endemism

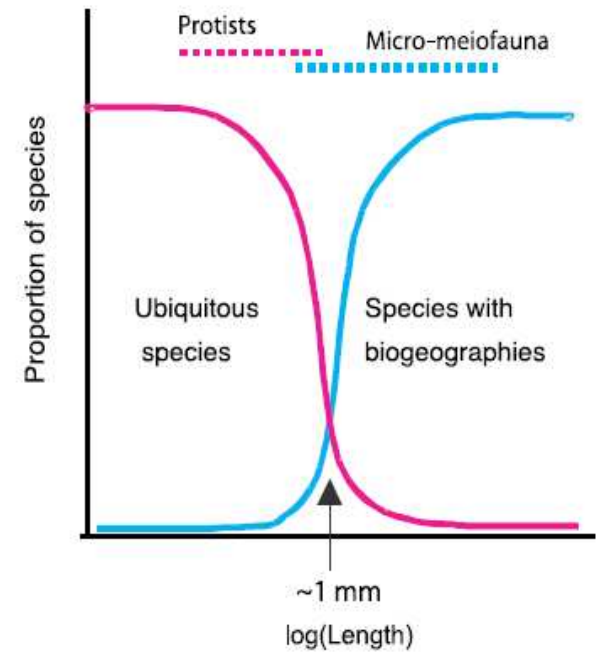


(Orme et al., 2005: Nature)

3. Body size and geographic range size

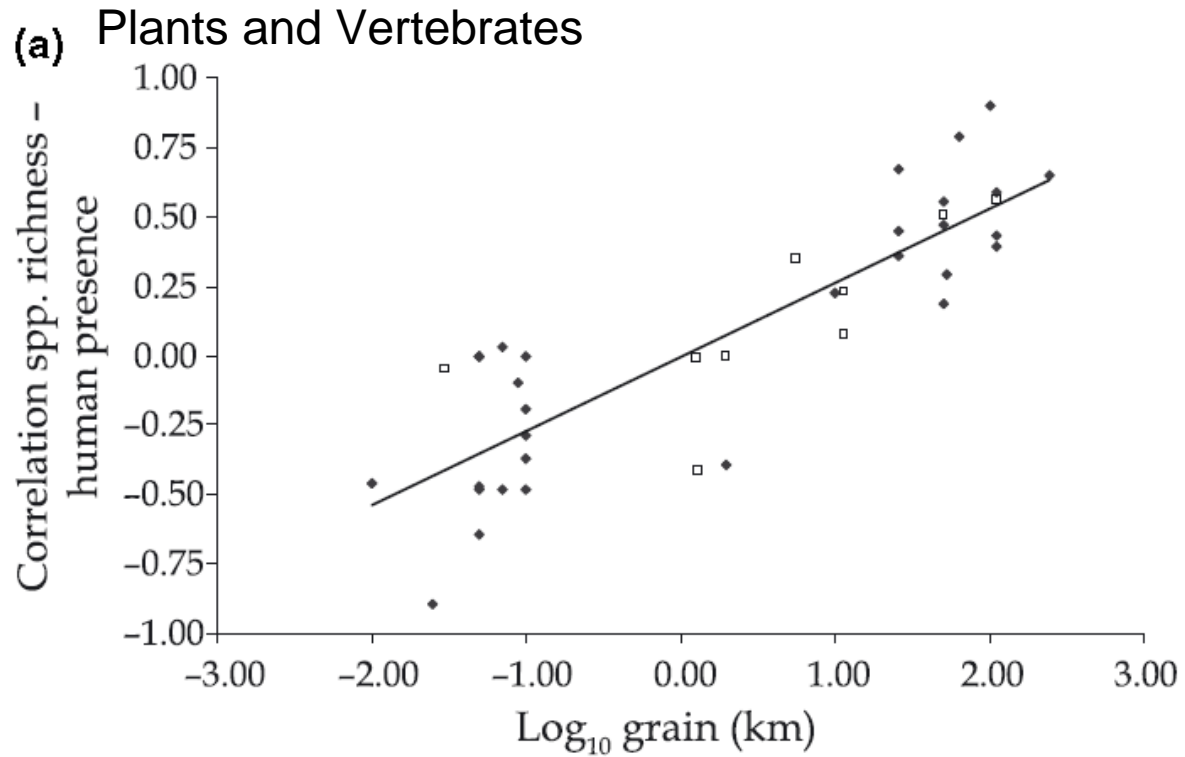


(Fenchel & Finlay, 2004: BioScience)



(Finlay, 2002: Science)

4. Species richness – human population relationship



(Pautasso, 2007: Ecology Letters)

Sampling effort!

