



1206
of Earth's land
506

Terrestrial

7

How many species are there on Earth?

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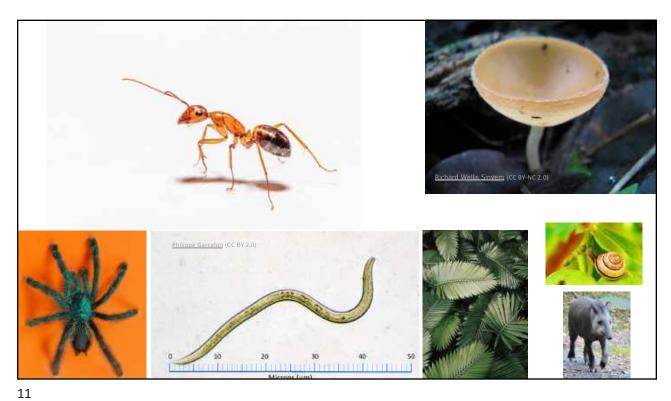
8.7 million ± 1.3 million SE

(2.2 million ±0.18 million SE of these are marine)

Mora et al 2011 Plos Bio

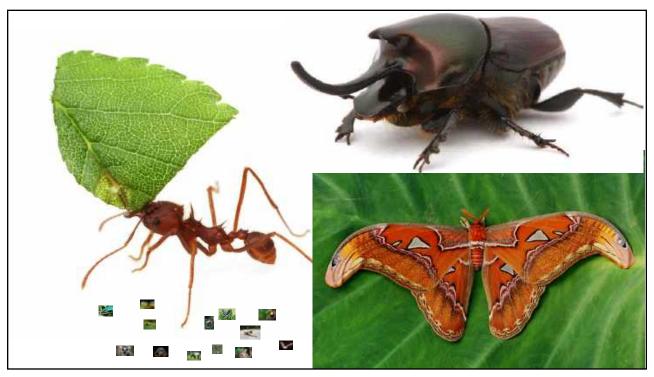
9

What are they?



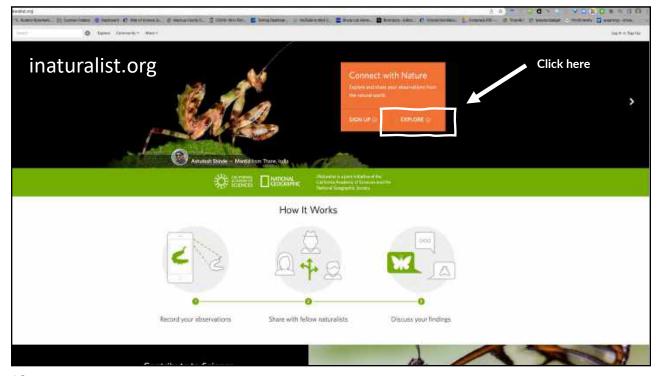
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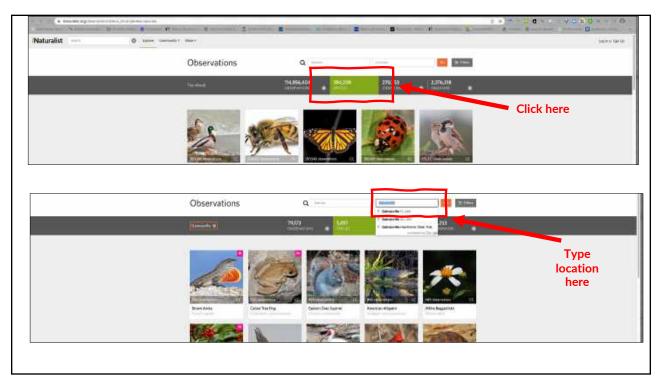


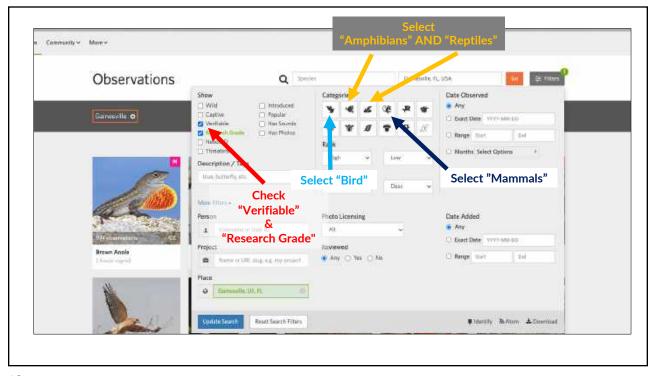


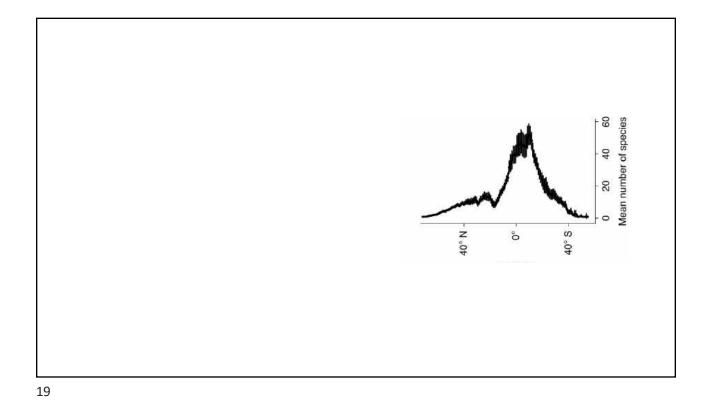
Where are they?









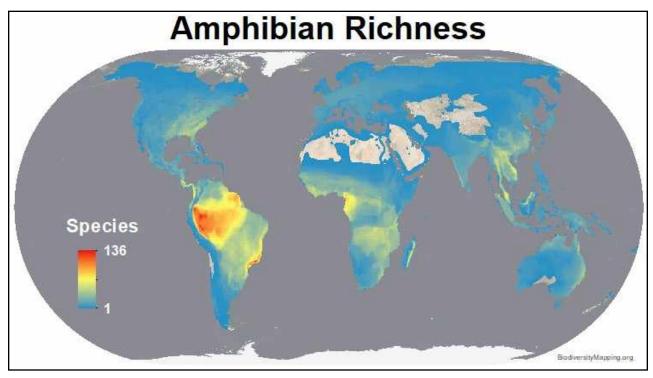


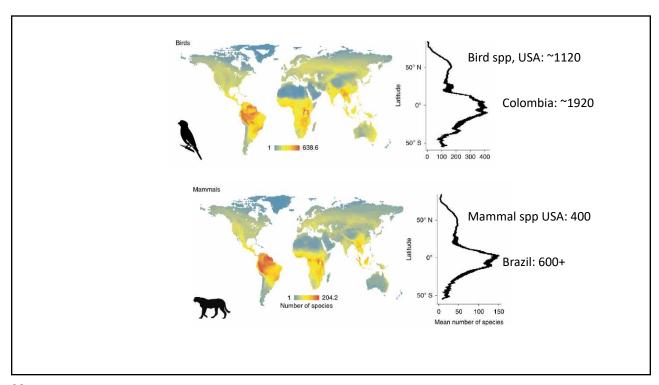
Amphibian spp, USA: 300

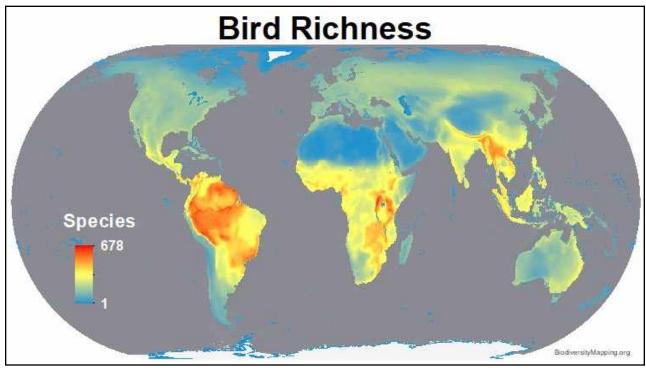
40° N

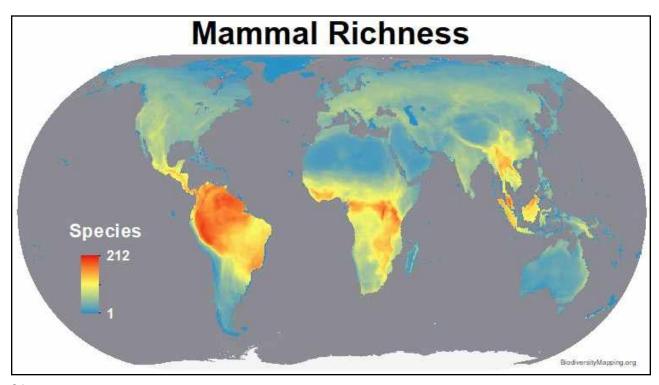
Ecuador: >630

Mean number of species



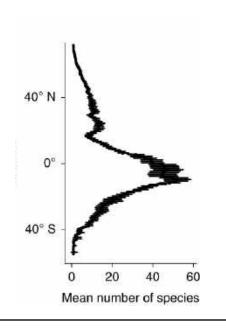






Fundamental Biodiversity Pattern #1:

Latitudinal Diversity Gradient



25

Fundamental Biodiversity Pattern #2:

(after the break)