The Future of Tropical Rain Forests
IDS 2935

6-1: Patterns of
Tropical Biodiversity 2

Southern Cassowary (*Casuarius casuarius*)
Distribution: Indonesia, Papua New Guinea, NE Australia
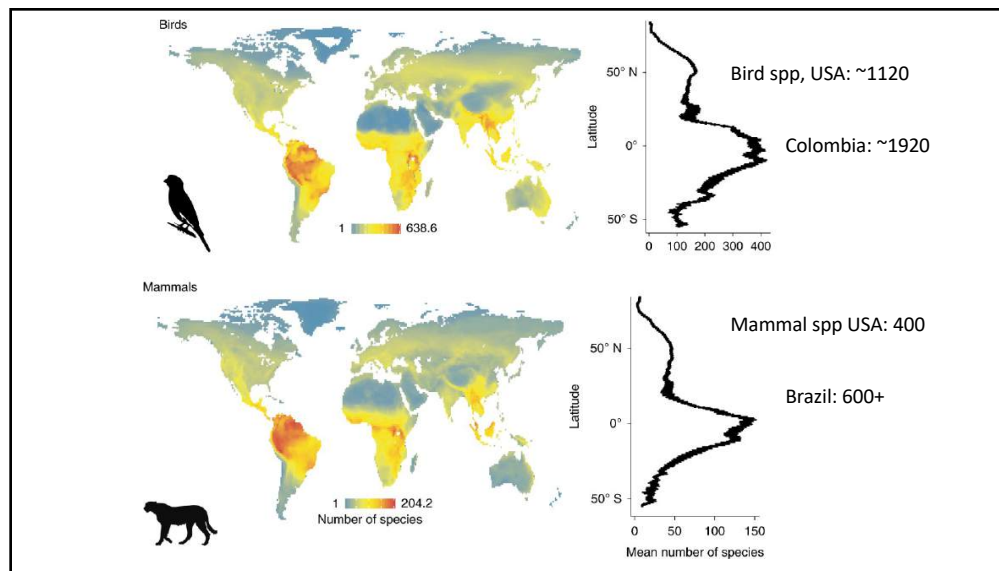
1

8.7 million Species on Earth (+ 1.3 million SE)
(2.2 million ±0.18 million SE of these are marine)
Mora *et al* 2011 *Plos Bio*

2

12% of Earth's land surface
50% of Terrestrial Biodiversity

3

Bird spp, USA: ~1120
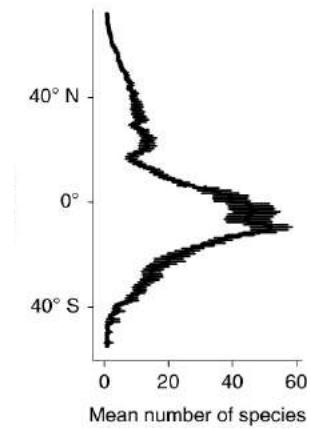
Colombia: ~1920

Mammal spp USA: 400

Brazil: 600+

4

Fundamental Biodiversity Pattern #1:

Latitudinal Diversity Gradient

5

6

7