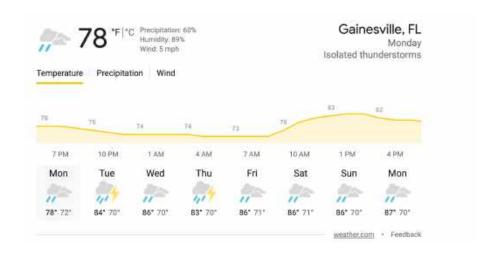






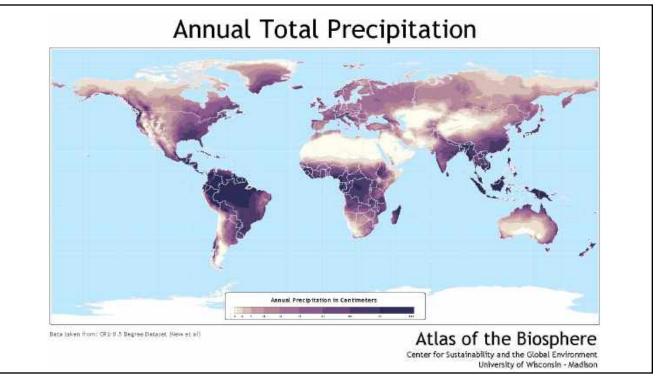
### Weather vs. Climate

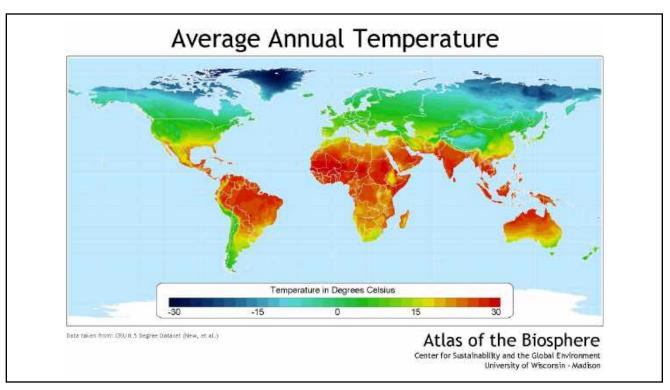
Weather: present conditions at a site (and short-term variation in these conditions)

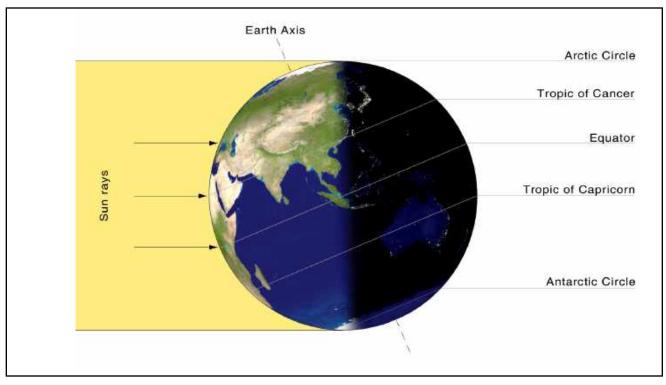


### Weather vs. Climate Climate: avg. conditions in a location over longer time scales (e.g., 30 yr. avg.) Average High and Low Temperature in Gainesville Compare History: 2022 2021 2020 2019 2018 2017 2016 2015 2014 hot cool 100°F Jul 18 100°F Sep 26 90°F 90°F 80°F 70°F 70°F 66° 60°F 40°F 44° 40°F 30°F 30°F 20°F 20°F 10°F 0°F 0°F Sep The daily average high (red line) and low (blue line) temperature, with 25th to 75th and 10th to 90th percentile bands. The thin dotted lines are the corresponding average perceived temperatures.

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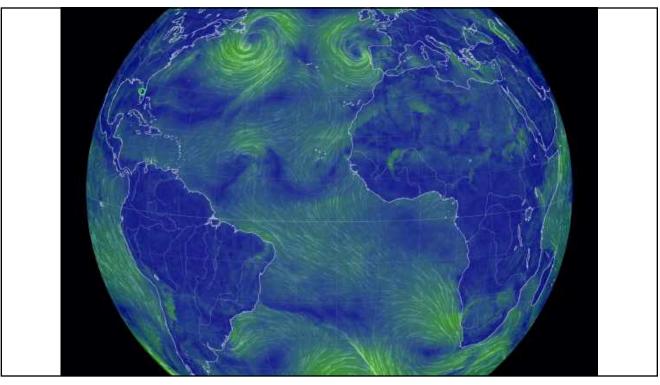


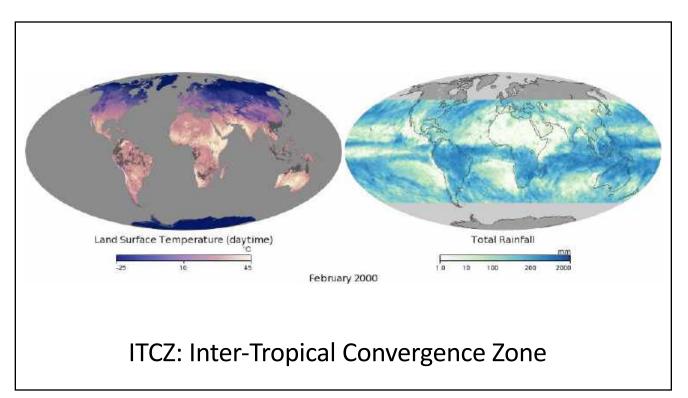
## If lots of other places are hot or rainy, why are the world's rain forests found here?

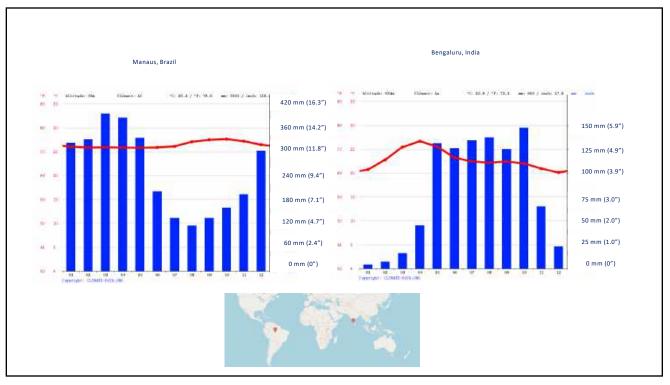


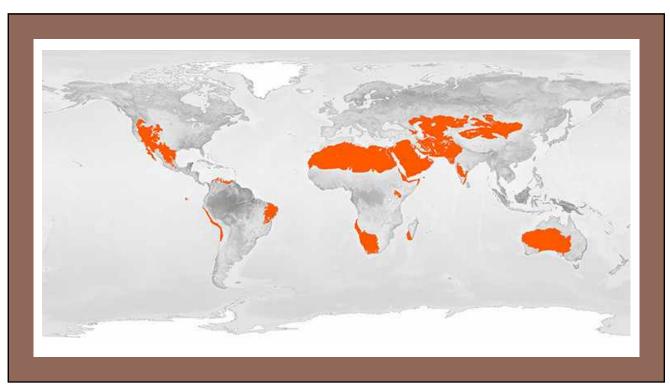
Put another way, what limits their distribution?

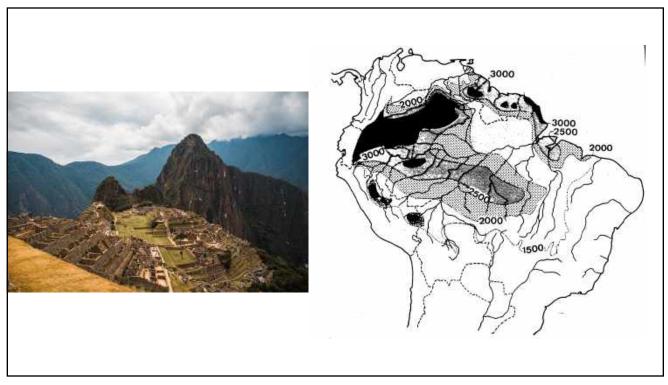
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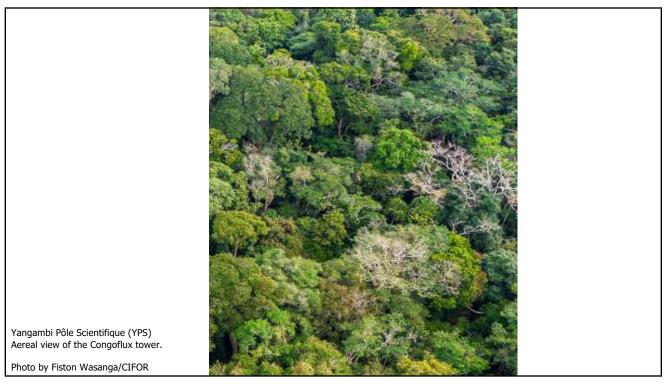


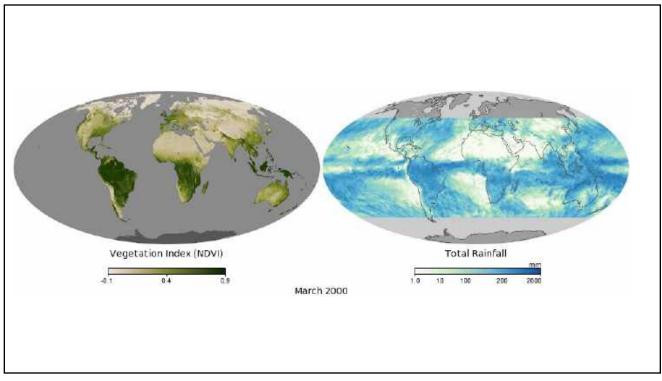


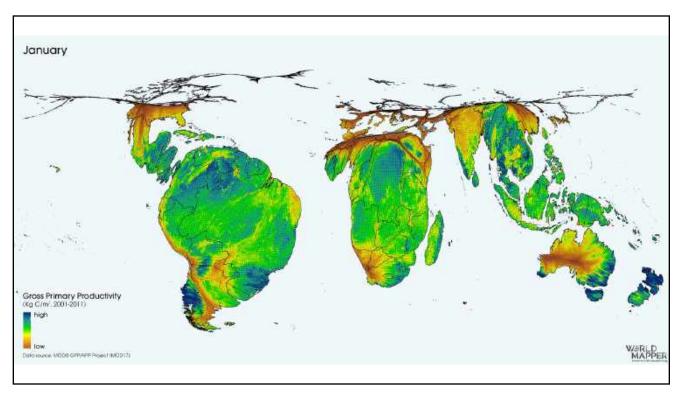












### How much rain forest is there in the world?

1.84 billion hectares

18.4 million km<sup>2</sup>

132.48 Floridas

2.27x the Continental USA



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# 1200 of Earth's land surface 500 of Terrestrial Biodiversity

