The Global Importance of Amazon Freshwaters

Amazon freshwaters are incredibly diverse and dynamic, consisting of rivers, floodplain wetlands, lakes, groundwater, glaciers, and atmospheric moisture. The Amazon's distinct freshwater rhythms give life to an integrated socio-ecological system that spans from the high Andes mountains, to lowland Amazon rainforest, to the Atlantic estuary. The importance of Amazon freshwaters also goes beyond the basin's boundaries and extends to the entire world. This singular nature of Amazon freshwaters is showcased by three core aspects.



KEY

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Whitewater river

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Clearwater river Blackwater river

Wetlands

A.

Andes mountains

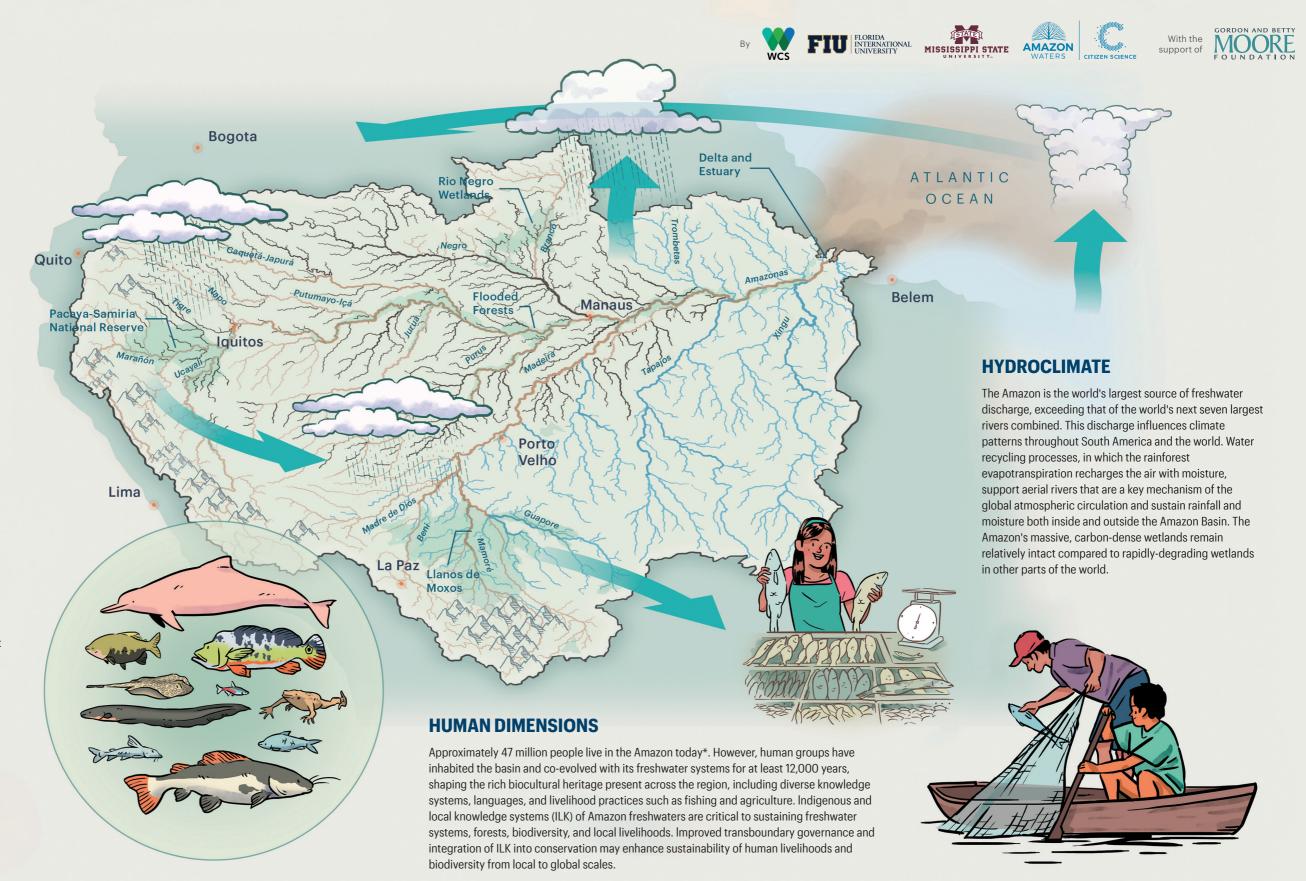
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Urban Areas

BIODIVERSITY

The Amazon is the world's largest and most biodiverse river basin. The Amazon hosts over 3,000 freshwater fish species, surpassing the fish diversity of the Congo and Mekong basins combined. Amazon fish species have various forms and functions, with many being migratory fish that connect distant Amazon ecosystems and sustain floodplain forests through seed dispersal and support people with food.

Technical Report. RAISG: São Paulo and Belém, Brazil; Lima, Perú; Santa Cruz de la Sierra, Bolivia; Bogotá, Colombia; Quito, Ecuador; Caracas, Venezuela



^{*} RAISG - Amazonian Network of Georeferenced Socio-environmental Information, 2020. Amazonia Under Pressure.