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Photo Gallery

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FIRST-EVER COMPLETE LIST OF AMAZONIAN TIMBER TREE SPECIES

Ximena Herrera-Alvarez, Juan A. Blanco, Oliver L. Phillips, Vicente Guadalupe, Leonardo D. Ortega-López, Hans ter Steege, and Gonzalo Rivas-Torres

Study Description

We compiled and presented a dataset (named "MADERA") for all timber species reported in the Amazon region from all nine South American Amazonian countries. This work was based on official information from every country and on two substantial scientific references. Our final Amazonian timber species dataset contains 1,112 unique species records, which belong to 337 genera and 72 families from the lowland Amazonian rainforest, with associated information related to population, conservation (IUCN Red list categories), and trade status (ITTO/CITES) of each species. The authors of this research expect that the information provided will be useful to strengthen sustainable forest management and scientific research in the Amazonian region.

Herrera-Alvarez, X., J. A. Blanco, O. L. Phillips, V. Guadalupe, L. D. Ortega-López, H. ter Steege, and G. Rivas-Torres. 2023. First-Ever Complete List of Amazonian Timber Tree Species. Bull Ecol Soc Am 00(00):e02104. https://doi.org/10.1002/bes2.2104

Photo 1. A typical view of an Amazonian hyperdiverse forest: the Tiputini Biodiversity Station situated inside the Yasuní Biosphere Reserve, Ecuador. Photo credit: Gonzalo Rivas – Torres.

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Photo 2. Amazonian timber species are part of the complex multilayered canopy of the tropical forest, creating complex light environments in the forest: Adult *Ceiba pentandra* tree, Caxiuana National Forest, Brazil. Photo credit: Oliver L. Phillips.

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Photo 3. Amazonian rivers define most of the forest ecosystems: view of the Tiputini River at the Tiputini Biodiversity Station, situated inside the Yasuní Biosphere Reserve, Ecuador. Photo credit: Gonzalo Rivas – Torres.

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Photo 4. Only a fraction of all Amazonian tree species are considered as timber species: stem of an adult *Calycophyllum spruceanum* tree. Tambopata National Reserve, Perú. Photo credit: Oliver L. Phillips.

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Photo 5. Aerial view of the highly diverse tree canopy typical of Amazonian forests: trees in the Tiputini Biodiversity Station, situated inside the Yasuní Biosphere Reserve, Ecuador. Photo credit: Gonzalo Rivas – Torres.

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These photographs illustrate the article "MADERA: A standardized Pan-Amazonian dataset for tropical timber species" by Ximena Herrera-Alvarez, Juan A. Blanco, Oliver L. Phillips, Vicente Guadalupe, Leonardo D. Ortega-López, Hans ter Steege, and Gonzalo Rivas-Torres published in *Ecology*. https://doi.org/10.1002/ecy.4135

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