

Continental-scale patterns of canopy tree composition and function across Amazonia

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Supplementary information 2: Data sources

Data were gathered from large scale national resource inventories, often initiated by FAO. The minimum diameter limit of the trees inventoried in these resource inventories was 30 cm. In cases where these were not available, too incomplete or too small in tree numbers, they were replaced or supplemented by the large trees of 1-ha plots Peru, O. Phillips, R. Vásquez, N. Pitman, H. Beltrán, R. García, H. Mogollón, P. Núñez, J. Terborgh; Ecuador, N. Pitman, M. Aulestia, C. Cerón, T. DiFiore, R. García, J. Guevara, H. Mogollón, D. Neill, W. Palacios, W. Sarabia, G. Villa; French Guiana, D. Sabatier *et al.*; Venezuela, H. Castellanos). Below the information sources are given, with relevant statistics.

Supplementary Table S3. Inventory regions with relevant statistics and data sources.

Area (region)	source	N	N families	% unknown	N Genera	% unknown
Bolivia, Pando	1	24423	46	1.50	155	1.83
Brazil, Arajuai	2	2588	45	0.35	134	0.93
Brazil, Belem	3	2490	50	0.80	153	1.20
Brazil, Guapore	4	3238	46	0.15	149	0.15
Brazil, Iça	5	11504	52	0.17	204	0.20
Brazil, Javari	6	6534	52	0.03	193	0.05
Brazil, Jurua	7	11950	56	0.24	221	0.26
Brazil, Juruena	8	26867	50	0.32	188	0.36
Brazil, Macapa	9	2473	43	0.93	139	1.25
Brazil, Manaus	10	18481	50	0.24	214	0.31
Brazil, Neblina	11	6501	47	0.08	169	0.37
Brazil, Porto Velho	12	12562	50	0.72	203	1.05
Brazil, Purus	13	16101	52	1.02	209	1.06
Brazil, Rio Branco	14	6172	53	0.68	194	0.68
Brazil, Roraima	15	5128	47	0.23	178	0.41
Brazil, Santarem	16	8389	54	0.51	189	0.66
Brazil, Sao Luis	17	755	34	0.40	88	0.79
Brazil, Tapajos	18	8783	52	0.66	198	1.56
Brazil, Tumas Humac	19	2917	46	0.21	145	0.31
Colombia, Amazonas	20	3691	61	4.22	232	8.80
Ecuador, All	21	3436	65	0.96	263	4.89
French Guiana, N + C	22	20584	61	0.59	209	0.65
Guyana, C + N	23	11842	48	2.01	145	2.32
Guyana, South	24	3526	48	2.10	142	2.38
Peru, North	25	2661	62	1.01	248	19.54
Peru, South	26	4830	65	0.68	261	2.15
Suriname, N + C	27	33003	55	1.43	164	1.72
Venezuela, Guayana	28	15640	55	0.25	184	0.64
Total		277069	86	0.80	536	1.31

Legend: Source: number of literature or data source (see footnotes for information); N, number of tree individuals in the inventory sources; N families, the number of identified families in the data; % unknown, the percentage of trees listed as unknown in the inventory of for which no family could be found. N genera, the number of identified genera in the data; % unknown, the percentage of trees listed as unknown in the inventory of for which no genus name could be found.

1. **Bolivia:** Zonisig inventory; Natural Resource Inventory in the Pando region coordinated by DHL consultants, the Netherlands. (de Zuviría, M. & Weeda, W. 1997. SIBD: The Integrated Database System of Zonisig. Pp. 648 – 671 In: Beek, K.J., de Bie, K. & Driessen, P. *Proceedings of the International Conference on Geo-Information for Sustainable Land Management (SLM)*. International Institute for Geo-Information Science and Earth Observation, Enschede, The Netherlands.)
- 2-19 **Brazil :** RADAMBRASIL. (1968-1978). *Levantamento de Recursos Naturais*. Vols 1-20. Ministério de Minas e Energia, Departamento Nacional de Produção Mineral, Rio de Janeiro, Brazil.
 2. Brazil, Brazil, Radambrasil Volume 4 **Arajuaiaio**.
 3. Brazil, Radambrasil Volume 5, **Belem**.
 4. Brazil, Radambrasil Volume 19, **Guapore**.
 5. Brazil, Radambrasil Volume 14, **Iça**.
 6. Brazil, Radambrasil Volume 13, **Javari**.
 7. Brazil, Radambrasil Volume 15, **Jurua**.
 8. Brazil, Radambrasil Volume 20, **Juruena**
 9. Brazil, Radambrasil Volume 6, **Macapa**.
 10. Brazil, Radambrasil Volume 18, **Manaus**.
 11. Brazil, Radambrasil Volume 11, **Neblina**.
 12. Brazil, Radambrasil Volume 12, **Porto Velho**
 13. Brazil, Radambrasil Volume 17, **Purus**.
 14. Brazil, Radambrasil Volume 12, **Rio Branco, Acre**.
 15. Brazil, Radambrasil Volume 8, **Roraima**.
 16. Brazil, Radambrasil Volume 10, **Santarem**.
 17. Brazil, Radambrasil Volume 3, **Sao Luis**.
 18. Brazil, Radambrasil Volume 7, **Tapajos**.
 19. Brazil, Radambrasil Volume 9, **Tumac Humac**.
20. **Colombia**, Amazonas state. Natural Resource Inventory (1979 PRORADAM. *La Amazonia Colombiana y sus Recursos*. Bogota). Unpublished data of 1-ha and 0.1 ha plots of A. Duque *et al.*, P. von Hildebrand *et al.*
21. **Ecuador**. No Forest Inventory data. Large trees (>30 cm) used from large plot network of N. Pitman *et al.* and RAINFOR (<http://www.geog.leeds.ac.uk/projects/rainfor/>).
22. **French Guiana**. Forest Inventory data from Office National des Forêts and (ONF) and CIRAD (Couteron *et al.* 2003. Drawing insights from a management-oriented forest inventory in French Guiana. *Forest Ecology and Management* 172: 89-108), and large trees from the 1-ha plots of D. Sabatier *et al.* (unpublished data).
23. **Guyana, central and north**. National Forest Inventory (Milde, R. de and Groot, D. de. *Reconnaissance survey of the more accessible forest areas*. UNDP/FAO, Georgetown, Guyana): *Zone 1* (1970b); *Zone 2* (1970c) ; *Zone 3* (1970d) ; *Zone 4* (1970e); *Zone 5* (1970f). Raw data used.
24. **Guyana, south**. Milde, R. de and Groot, D. de. *Reconnaissance survey of the southern part of Guyana*. UNDP/FAO, Georgetown, Guyana (1970g). Raw data used.
25. **Peru, Northern part**: No Forest Inventory data. Large trees (≥ 30 cm) used from large plot network of N. Pitman *et al.*, RAINFOR (see Ecuador) and and plots from R. Spichiger *et al.* (Spichiger, R. *et al.* Tree species richness of a South-Western Amazonian forest (Jenaro Herrera , Peru , 73°40'W/ 4°54'S). *Candollea* **51**: 559-577 (1996)).

26. **Peru, Southern part:** No Forest Inventory data. Large trees (≥ 30 cm) used from large plot network of N. Pitman *et al.* and RAINFOR (see Ecuador).
27. **Suriname,** Forest Inventories (Milde, R. de and Inglis, C. 1974. Inventory of the Fallawatra, Nassau and Kabalebo area. FAO, Paramaribo, Suriname. ter Steege & Zondervan 2000). Raw data used.
28. **Venezuela.** Forest Inventory Data from Imataca (Rollet, B. 1969. *Etudes quantitatives d'une forêt dense humide sempervirente de plaine de la Guyane Vénézuélienne*. PhD Thesis, Faculty of Sciences, Toulouse); plus 1-ha plot data of H. Castellanos (unpublished data) of Imataca and Caura basin.