

Supplementary Materials

Figure S1. Sampling points from 25 countries.

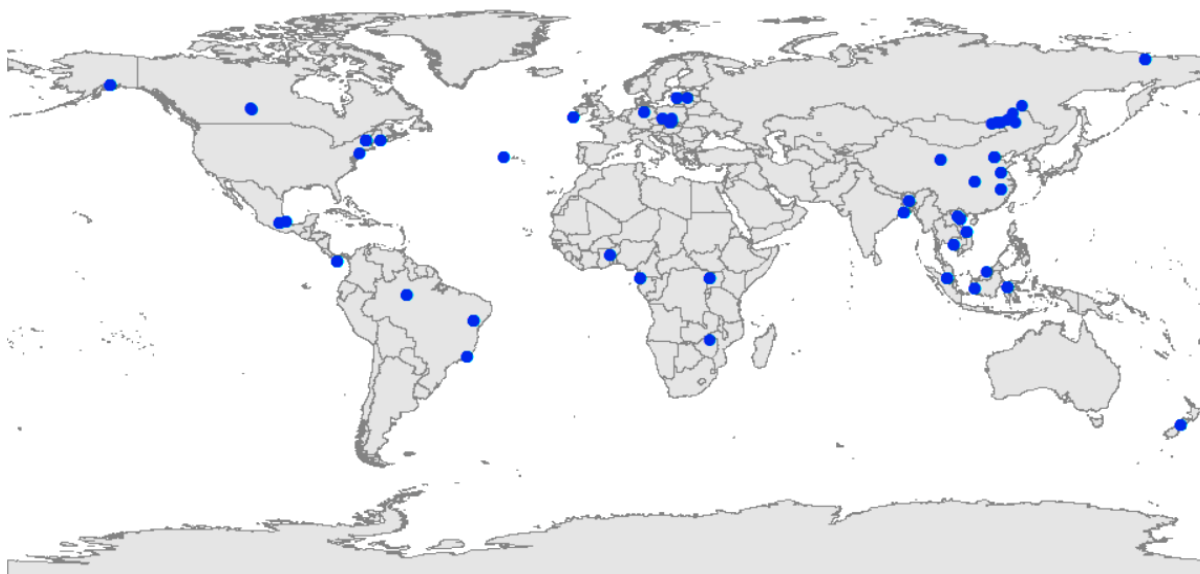


Table S1. Datasets from 25 countries.

Country	Location	MAT	MAP	Tree Density	DBH	Basal Area	AGB
		(°C)	(mm)	(trees/ha)	(cm)	(m ² /ha)	(Mg/ha)
Mexico	Veracruz	23.3	946	520	20.7	24.8	188.7
Mexico	Veracruz	23.3	1147	830	20.9	49.3	398.4
Mexico	Veracruz	12.1	1077	1015	23.4	51.9	353.5
Mexico	Veracruz	9.7	1478	1800	18.3	48.2	175.6
India	Assam	14.6	3144	1630	77.7	24.9	125.4
India	Assam	14.6	3144	995	119.1	23.0	120.2
India	Assam	14.6	3144	920	98.6	16.2	115.4
Canada	Venables	3.5	403	233	—	35.1	419.0
Canada	Two-bit Creek	7.7	653	332	—	42.0	456.8
Canada	Peterhope Lake	4.1	398	188	—	24.3	285.6
Canada	Jaffray	5.3	618	297	—	35.6	352.8
Canada	Redfish Creek	6.8	868	206	—	50.0	609.6
Canada	Alex Fraser	4.4	532	357	—	40.3	435.6
Canada	John Prince	2.3	593	411	—	53.8	642.2
Canada	Narrows Creek	5.1	1059	494	—	58.0	781.6
Canada	Malcolm Knapp	8	2701	320	—	79.1	970.6
Germany	North plain	9.1	691	252	41.8	29.1	147.2
Germany	North plain	9.1	693	406	31.0	27.5	86.8
Germany	North plain	9.1	692	541	26.4	28.1	72.0

Latvia	–	5	700	676	33.1	45.3	271.6
America	Vermont	5.4	1082	163	13.8	8.9	128.6
America	Vermont	5.5	1074	189	10.4	14.2	123.4
America	Vermont	5.8	1047	229	12.7	9.3	155.4
America	Vermont	3.7	1339	123	11.5	12.8	186.8
America	Vermont	5.5	1095	558	24.1	6.7	217.6
America	Vermont	5.7	1078	72	13.8	6.0	161.8
America	Vermont	6.5	1069	163	11.5	11.0	160.8
America	Vermont	6.5	1069	156	6.9	7.3	94.0
America	Vermont	5.7	1162	349	15.0	8.8	145.0
America	Vermont	5.7	1162	254	23.0	9.3	235.2
America	Vermont	4.7	1196	215	17.3	8.6	233.6
America	Vermont	4.6	1201	248	23.0	10.3	285.6
America	Vermont	5.1	1145	176	19.5	8.5	211.4
America	Vermont	5.6	1158	103	23.0	12.1	273.6
America	Vermont	5.4	1185	414	20.7	8.2	206.0
America	Vermont	6	1068	131	10.4	14.3	136.2
America	Vermont	6.3	1018	500	8.1	4.8	87.4
America	Vermont	6.3	1060	175	17.3	12.2	185.2
America	Vermont	6	1109	712	23.0	9.8	228.8
America	Vermont	6	996	339	13.8	8.5	173.4
America	Vermont	5.9	1027	383	13.8	6.4	159.6
America	Vermont	4.2	1189	262	18.4	7.3	224.0
America	Vermont	4.5	1115	335	13.8	10.9	210.0
America	Vermont	4.4	1146	166	19.5	8.2	241.8
America	Vermont	5.8	1117	174	8.1	9.2	130.2
America	Vermont	5.8	1117	431	11.5	6.1	122.8
America	Vermont	5.4	1131	357	17.2	10.3	228.0
America	Vermont	5.4	1131	1146	11.5	8.1	140.0
America	Vermont	5.6	1098	778	15.0	3.8	133.6
America	Vermont	5.6	1098	109	10.4	5.7	129.6
America	Vermont	6	1137	1496	13.8	4.6	136.8
America	Vermont	5.8	1170	292	11.5	8.6	129.2
America	Vermont	4.7	1181	683	19.5	8.2	191.4
America	Vermont	4.3	1248	75	10.4	8.1	164.8
America	Vermont	4.3	1246	174	15.0	7.7	158.2
America	Vermont	5.6	1192	285	20.7	8.7	254.4
America	Vermont	5.7	1167	261	9.2	9.1	119.4
America	Vermont	5.4	1085	157	19.5	8.9	232.4

America	Vermont	5.2	1109	209	19.5	7.9	213.8
America	Vermont	6.1	1121	51	10.4	15.1	192.4
America	Vermont	6.1	1121	275	12.7	12.0	180.8
America	Vermont	4.9	1172	57	12.7	6.4	210.4
America	Vermont	4.9	1172	79	12.7	9.9	204.8
America	Vermont	3.7	1347	170	14.9	9.2	205.6
America	Vermont	3.6	1345	267	12.7	11.0	144.4
America	Vermont	7	1040	610	34.4	41.6	206.1
America	Vermont	8	920	800	26.1	34.2	190.7
America	New York	5	1079	744	28.0	35.0	213.8
America	Vermont	5	1410	709	19.3	21.5	109.1
America	Vermont	7	1040	677	27.3	27.6	127.3
America	Vermont	8	920	1190	20.2	28.5	150.6
America	New York	5	1079	729	28.0	35.8	212.9
Brazil	Bahia	24	2000	197	23.0	—	164.0
Brazil	Bahia	24	2000	65	38.0	—	84.0
Brazil	Bahia	24	2000	898	16.0	—	366.0
Brazil	Bahia	24	2000	840	16.0	—	204.0
Brazil	Bahia	24	2000	596	14.0	—	66.0
Germany	Brocken	2.9	1600	3568	19.5	24.8	84.0
Germany	Brocken	2.9	1600	1267	18.7	23.3	82.0
Germany	Brocken	2.9	1600	662	28.6	37.8	366.0
Germany	Brocken	2.9	1600	1273	35.2	48.5	428.0
Germany	Brocken	2.9	1600	1310	44.6	96.7	406.0
Brunei Darussalam	Kuala Belalong	30.1	4582	6914	—	44.6	524.5
Mexico	Chiapas	24	1600	338	—	14.6	105.2
Mexico	Chiapas	24	1600	538	—	13.0	94.4
Mexico	Chiapas	24	1600	331	—	20.6	169.5
Mexico	Chiapas	24	1600	613	—	17.1	119.6
Mexico	Chiapas	24	1600	419	—	26.7	214.5
Mexico	Chiapas	24	1600	769	—	21.6	148.6
Ecuador	Napo	23	4119	576	21.8	27.4	246.8
Ecuador	Napo	23	4119	676	22.1	34.1	320.9
Ecuador	Napo	23	4119	772	20.7	34.5	307.1
Ecuador	Napo	23	4119	732	20.5	31.2	291.9
Vietnam	Thai Binh	24.15	1770	12167	7.4	—	15.4
Vietnam	Thai Binh	24.15	1770	13333	6.7	—	14.9
Vietnam	Thai Binh	24.15	1770	10067	8.7	—	21.0

Vietnam	Thai Binh	24.15	1770	22575	5.3	—	33.8
Vietnam	Thai Binh	24.15	1770	26500	5.4	—	38.0
Vietnam	Thai Binh	24.15	1770	26400	5.7	—	42.8
Vietnam	Nam Dinh	24.15	1770	20633	5.0	—	111.0
Vietnam	Nam Dinh	24.15	1770	20067	5.2	—	115.4
Vietnam	Nam Dinh	24.15	1770	17367	5.7	—	111.9
Panama	Veraguas	27	2800	1521	7.4	4.3	17.9
Panama	Veraguas	27	2800	919	18.9	11.8	159.2
Panama	Veraguas	27	2800	381	16.0	5.3	40.6
Panama	Veraguas	27	2800	1408	15.5	6.0	25.4
Panama	Veraguas	27	2800	2188	16.7	9.3	67.8
Panama	Veraguas	27	2800	2625	10.9	5.8	19.1
Panama	Veraguas	27	2800	858	11.5	5.1	43.1
Panama	Veraguas	27	2800	563	14.1	5.5	44.1
Panama	Veraguas	27	2800	200	13.1	2.3	27.3
China	Hubei	10.6	1514	540	—	13.0	66.9
China	Hubei	10.6	1514	750	—	25.7	139.8
China	Hubei	10.6	1514	1065	—	39.1	219.7
Brazil	Rio de Janeiro	17.8	2821	3150	10.9	42.6	369.2
Brazil	Rio de Janeiro	17.8	2821	2500	13.8	66.4	663.5
Brazil	Rio de Janeiro	17.8	2821	2300	10.9	34.0	276.4
Benin	Djougou	28	1200	286	35.8	17.9	86.0
Benin	Djougou	28	1200	247	31.3	11.5	66.1
Benin	Djougou	28	1200	224	31.5	9.1	50.6
China	Gansu	0.5	368	957	7.7	—	42.0
China	Gansu	0.5	368	1215	7.2	—	38.8
China	Gansu	0.5	368	1161	7.0	—	30.8
Vietnam	Ta Dung	22.5	2513	199	—	2.2	8.2
Vietnam	Ta Dung	22.5	2513	274	—	4.3	21.4
Vietnam	Ta Dung	22.5	2513	262	—	9.5	76.9
Vietnam	—	18.1	1768	629	—	34.9	260.9
Vietnam	—	18.4	1836	471	—	25.7	199.0
Vietnam	—	20.1	1964	329	—	31.1	241.0
Vietnam	—	21.8	2052	542	—	39.0	320.2
Vietnam	—	18.9	1924	495	—	28.9	214.9
Vietnam	—	21.9	1804	533	—	29.4	224.4
Malaysia	Melaka	31	2000	3538	18.1	10.7	127.6
Malaysia	Melaka	31	2000	3453	10.5	9.8	75.6
Malaysia	Melaka	31	2000	3921	8.1	9.2	49.3

Malaysia	Melaka	31	2000	3222	11.6	9.6	66.0
Malaysia	Melaka	31	2000	3118	12.7	8.6	69.7
Malaysia	Melaka	31	2000	6565	4.0	5.8	37.8
China	Jiangsu	14	867	796	18.4	31.7	26.3
China	Jiangsu	14	867	540	18.4	48.3	45.8
China	Jiangsu	14	867	423	21.3	58.0	53.1
America	Alaska	-3	260	49000	1.1	6.2	67.5
America	Alaska	-3	260	30000	1.4	7.1	122.0
America	Alaska	-3	260	71000	1.4	9.4	141.0
America	Alaska	-3	260	37000	2.0	12.2	270.6
America	Alaska	-3	260	26000	2.8	20.2	518.1
Bangladesh	Sundarbans	24	1800	8083	3.9	17.6	115.8
Bangladesh	Sundarbans	24	1800	7616	5.2	35.6	300.2
Bangladesh	Sundarbans	24	1800	8516	4.1	21.2	146.7
Bangladesh	Sundarbans	24	1800	8304	5.5	43.4	389.3
Bangladesh	Sundarbans	24	1800	7801	5.5	42.0	357.5
Bangladesh	Sundarbans	24	1800	22595	4.4	49.0	221.7
Bangladesh	Sundarbans	24	1800	23216	4.7	58.7	298.4
Bangladesh	Sundarbans	24	1800	22883	4.8	60.8	300.8
Bangladesh	Sundarbans	24	1800	7683	4.2	25.0	225.8
Bangladesh	Sundarbans	24	1800	9103	4.9	30.7	205.4
Bangladesh	Sundarbans	24	1800	10350	4.6	27.0	140.2
Bangladesh	Sundarbans	24	1800	3350	8.5	29.4	271.8
Bangladesh	Sundarbans	24	1800	4767	6.4	32.0	277.5
Bangladesh	Sundarbans	24	1800	4666	6.5	31.6	280.8
Bangladesh	Sundarbans	24	1800	7867	3.7	21.9	180.5
Bangladesh	Sundarbans	24	1800	9196	3.6	25.0	196.6
Bangladesh	Sundarbans	24	1800	7117	3.6	21.1	172.6
Bangladesh	Sundarbans	24	1800	8317	4.0	19.4	131.9
Latvia	—	5	700	—	41.2	37.9	233.6
Latvia	—	5	700	—	32.9	32.7	193.6
Latvia	—	5	700	—	31.1	33.4	204.8
Indonesia	Sulawesi	21.3	1894	—	35.4	23.5	299.1
Indonesia	Sulawesi	19.1	1975	—	37.1	22.7	293.4
Indonesia	Sulawesi	17.9	1891	—	36.0	21.9	286.5
Indonesia	Sulawesi	14.1	2131	—	46.5	22.2	306.9
Cambodia	Kampong Thom	28	1700	288	—	6.9	59.9
Cambodia	Kampong Thom	28	1700	68	—	16.1	213.4
Cambodia	Kampong Thom	28	1700	356	—	23.0	273.3

New Zealand	—	12	618	625	24.3	—	49.4
New Zealand	—	12	618	1250	19.3	—	56.8
New Zealand	—	12	618	2500	14.8	—	59.9
Indonesia	West Kalimantan	26	4125	500	24.7	41.4	660.0
Indonesia	West Kalimantan	26	4125	503	24.6	40.3	641.0
Indonesia	West Kalimantan	26	4125	550	23.4	37.8	577.0
Indonesia	West Kalimantan	26	4125	521	24.1	39.6	622.0
Peru	Manaus	31	2286	5093	—	37.6	85.4
Peru	Manaus	31	2286	3827	—	39.0	114.6
Peru	Manaus	31	2286	3620	—	25.1	63.4
Peru	Manaus	31	2286	2263	—	25.8	83.5
Cameroon	—	25	2875	453	—	33.9	557.4
Cameroon	—	25	2875	728	—	49.7	643.2
Cameroon	—	25	2875	433	—	1.8	10.9
Cameroon	—	25	2875	359	—	1.7	8.9
Congo	Ituri	28	2000	6828	—	40.0	611.0
Congo	Ituri	28	2000	7765	—	36.0	460.0
Congo	Ituri	28	2000	8001	—	33.0	422.0
Congo	Ituri	28	2000	6173	—	33.0	421.0
America	Oregon	16	1100	18177	3.7	19.5	56.0
America	Oregon	16	1100	864	18.0	34.0	186.0
America	Oregon	16	1100	3134	48.0	37.0	302.0
America	Oregon	16	1100	1665	62.5	47.0	437.0
Canada	Saskatchewan	0.4	467	980	20.5	—	245.0
Canada	Saskatchewan	0.4	467	1190	12.9	—	104.2
America	Maine	7.2	1070	6743	9.0	42.6	165.2
America	Maine	7.2	1070	6491	9.2	41.0	172.6
America	Maine	7.2	1070	6779	9.1	42.0	158.4
America	Maine	7.2	1070	6667	9.1	41.8	165.4
Sakha	Cherskii	-7.6	210	200	1.4	1.9	71.9
Sakha	Cherskii	-7.6	210	4333	3.3	5.9	39.9
Sakha	Cherskii	-7.6	210	14600	2.2	7.5	403.2
Sakha	Cherskii	-7.6	210	21267	3.0	17.8	1027.3
Sakha	Cherskii	-7.6	210	1900	6.1	8.2	424.0
Poland	—	6.4	600	5521	6.4	15.0	32.9
Poland	—	6.4	600	3965	10.9	42.0	128.9
Poland	—	6.4	600	1852	15.9	41.8	117.3
Poland	—	6.4	600	1110	21.3	43.8	261.9
Poland	—	6.4	600	574	24.6	30.5	159.4

Poland	—	6.4	600	544	30.0	42.2	253.9
Poland	—	6.4	600	581	29.1	41.4	223.3
Poland	—	6.4	600	407	34.3	42.3	293.6
Poland	—	6.4	600	301	37.9	36.0	250.1
Poland	—	6.4	600	235	42.0	35.5	261.5
Poland	—	6.4	600	212	46.5	37.0	277.6
China	Guitianshan	15.3	1964	9274	—	46.0	5.6
China	Guitianshan	15.3	1964	15202	—	35.1	7.1
China	Guitianshan	15.3	1964	7221	—	33.4	6.5
China	Guitianshan	15.3	1964	7513	—	39.1	3.2
Portugal	—	17	2250	494	—	—	128.7
Portugal	—	17	2250	90	—	—	77.0
Portugal	—	17	2250	90	—	—	183.6
Zimbabwe	Harare	20	750	816	—	—	46.2

“—” indicates a missing data in the original literature.