

Conservation policy and the measurement of forests

Table S1. Difference in forest area and affected carbon stock and value in REDD countries.

	Country	Area km ²	Forest (>10% tree)		Forest (>30% tree)		Forest –area difference		Affected Carbon Stock*	Affected Carbon Value**
			%	km ²	%	km ²	%	km ²	Gt C	Billion USD
Asia-Pacific	Bangladesh	122,681	64.59	79,237	64.59	20,877	17.02	58,360	0.22	5.16
	Cambodia	170,951	74.76	127,801	74.76	74,578	43.63	53,223	0.32	7.40
	Mongolia	1,544,968	5.18	80,098	5.18	31,912	2.07	48,185	no data	-
	Sri Lanka	64,752	80.62	52,205	80.62	37,246	57.52	14,959	0.09	2.13
	Vietnam	306,384	83.48	255,761	83.48	168,995	55.16	86,766	0.55	12.72
	Indonesia	1,874,123	96.88	1,815,606	96.88	1,620,701	86.48	194,904	1.32	30.28
	Papua New Guinea	459,772	99.14	455,810	99.14	427,286	92.93	28,524	0.23	5.37
	Philippines	288,889	96.83	279,742	96.83	227,365	78.70	52,377	0.35	7.97
	Solomon Islands	27,974	99.84	27,928	99.84	27,645	98.83	283	0.00	0.00
	Bhutan	39,506	78.08	30,848	78.08	27,072	68.53	3,776	0.05	1.04
	Lao PDR	228,465	92.98	212,429	92.98	185,747	81.30	26,682	0.23	5.28
	Myanmar	661,517	76.10	503,436	76.10	391,941	59.25	111,494	0.87	19.94
	Nepal	145,904	57.76	84,276	57.76	42,408	29.07	41,868	0.39	8.86
	Pakistan	862,208	3.39	29,222	3.39	7,539	0.87	21,683	0.11	2.43
Malaysia	328,417	98.69	324,114	98.69	308,768	94.02	15,346	0.15	3.36	
Latin America and the Caribbean	Argentina	2,734,289	23.10	631,596	23.10	203,109	7.43	428,487	0.92	21.06
	Bolivia	1,070,758	67.64	724,217	67.64	540,903	50.52	183,313	0.60	13.81
	Colombia	1,129,470	90.89	1,026,608	90.89	714,077	63.22	312,531	1.45	33.37
	Ecuador	254,507	87.27	222,096	87.27	145,384	57.12	76,712	0.36	8.37
	Panama	74,474	92.48	68,876	92.48	45,042	60.48	23,834	0.16	3.62
	Paraguay	397,957	79.81	317,591	79.81	109,066	27.41	208,525	0.52	12.06
	Chile	726,278	42.36	307,633	42.36	210,179	28.94	97,454	0.32	7.37
	Guyana	210,367	94.27	198,319	94.27	181,872	86.46	16,446	0.14	3.27
	Peru	1,282,078	64.70	829,452	64.70	739,188	57.66	90,264	0.50	11.56
	Suriname	143,832	99.69	143,388	99.69	139,575	97.04	3,812	0.03	0.68
	Costa Rica	51,036	99.23	50,642	99.23	44,696	87.58	5,946	0.04	0.98
	Guatemala	107,977	96.17	103,846	96.17	80,168	74.25	23,678	0.11	2.62
	Honduras	111,410	96.89	107,945	96.89	79,208	71.10	28,737	0.12	2.73
	Mexico	1,941,119	47.05	913,232	47.05	479,316	24.69	433,916	1.09	25.12
Africa	Republic of Congo	341,132	82.20	280,405	82.20	232,176	68.06	48,229	0.27	6.12
	Côte d'Ivoire	320,426	69.08	221,358	69.08	43,162	13.47	178,196	0.78	17.95
	Dem. Republic of the Congo	2,298,465	88.94	2,044,287	88.94	1,541,624	67.07	502,663	2.19	50.38
	Nigeria	903,298	21.10	190,564	21.10	39,040	4.32	151,524	0.71	16.32
	Tanzania	884,206	49.78	440,198	49.78	107,682	12.18	332,516	1.12	25.80
	Zambia	740,386	70.04	518,539	70.04	157,371	21.26	361,168	1.34	30.93
	Benin	115,463	21.82	25,193	21.82	399	0.35	24,794	0.06	1.35
	Cameroon	463,339	79.15	366,720	79.15	224,047	48.35	142,673	0.75	17.31
Central African Republic	622,036	76.07	473,157	76.07	117,596	18.91	355,561	1.47	33.77	

Chad	1,269,325	2.47	31,293	2.47	31	0.00	31,262	0.07	1.54
Equatorial Guinea	26,823	98.82	26,507	98.82	24,922	92.91	1,585	0.02	0.49
Ethiopia	1,123,760	22.45	252,304	22.45	51,238	4.56	201,066	0.72	16.62
Gabon	261,076	94.50	246,720	94.50	229,507	87.91	17,213	0.19	4.46
Ghana	233,147	41.03	95,660	41.03	31,923	13.69	63,737	0.29	6.67
Guinea Bissau	33,084	74.42	24,620	74.42	6,947	21.00	17,673	0.06	1.41
Kenya	583,922	10.85	63,372	10.85	18,649	3.19	44,723	0.13	3.05
Madagascar	588,110	39.77	233,868	39.77	139,508	23.72	94,360	0.36	8.25
Malawi	94,624	47.75	45,179	47.75	12,739	13.46	32,440	0.11	2.49
South Sudan	625,037	49.93	312,093	49.93	8,308	1.33	303,785	0.72	16.65
Republic of the Sudan	1,871,440	0.38	7,070	0.38	11	0.00	7,060	0.02	0.38
Tunisia	154,531	1.51	2,326	1.51	1,397	0.90	929	no data	-
Uganda	205,952	71.42	147,088	71.42	39,924	19.39	107,164	0.31	7.17
Zimbabwe	387,583	18.82	72,926	18.82	5,514	1.42	67,412	0.22	5.13
Total	31,509,231		16,125,400		10,345,578		5,779,822	23.17	532.80

Table S1. Area of agreement on the class *forest* among eight global, satellite-based data sets^{4,8,31-36}.

Forest “votes”	Area (10 ⁶ km ²)
0	86.6
1	11.2
2	6.2
3	5.1
4	4.8
5	4.6
6	5.4
7	7.8
8	15.6
Total	147.3