

Summary analysis of REDD+ projects, 2018-2020

V. 4.1

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Note to readers:

This report was made based on the IDRECCO v.4.1 database, except noted otherwise. The IDRECCO database was last updated December 2020, with minor corrections made in February 2021. Data sources are noted in the reference section. Please contact author prior to citing, or if you have any questions/suggestions. Thank you!

Suggested citation

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<http://www.reddprojectsdatabase.org>.

1 Overview of forest carbon projects per country + region

1.1 Number of projects and area coverage, by country and region, by project type (with rank), 2020

1.1.1 Number of projects globally, 2020

1.1 .1 Number of projects globally, 2020				
Filter:	n/a			
Total population:	624 projects			
Missing data:	0 projects			
Total observation :	624 projects			
	Count of Project (2020)			
Dominant project type*	Planned	Ongoing	Inactive	Grand Total
ARR	1	204	76	281
IFM		18	11	29
Jurisdictional		38	0	38
other		1	0	1
REDD	1	155	119	275
Grand Total	2	416	206	624

Note: Jurisdictional refers to jurisdictional REDD+ programs; REDD refers to REDD+ projects

1.1.2 Area coverage, by country and region, by project type (with rank), 2020

Filter:	Ongoing projects as of 2020
Total population:	416 projects
Missing data:	12 projects
Total observation	404 projects

Country	Size (in hectare)						Rank	
	Dominant Project type*						Total area	Total REDD
	ARR	IFM	Jurisdictional	other	REDD	Grand Total		
Brazil	917,472		627,860,316		14,190,032	642,967,820	1	1
Colombia	139,535	4,124	8,896,500		10,897,008	19,937,167	6	2
Indonesia	15,000	12,800	86,306,650		5,936,444	92,270,894	2	3
Myanmar	6,646				3,888,200	3,894,846	9	4
Kenya	119,011				2,646,810	2,765,821	11	5
Peru	33,586		63,225,200		2,073,021	65,331,807	3	6
Zambia					1,272,803	1,272,803	14	7
Cameroon					1,247,391	1,247,391	15	8
Madagascar	12,696	1,200			1,017,439	1,031,335	16	9
Cambodia					894,115	894,115	17	10
Guatemala	16,371				852,026	868,397	18	11
Bolivia, Plurinational State of	6,000	200			832,500	838,700	19	12
Zimbabwe					784,987	784,987	20	13
Ecuador	17,000		2,964,280		632,810	3,614,090	10	14
Papua New Guinea					620,356	620,356	22	15
Congo, the Democratic Republic of the	9,129		32,904,600		501,371	33,415,100	5	16
Tanzania, United Republic of	30,476				467,780	498,256	23	17
Ethiopia	7,637				333,924	341,561	24	18
Lao People's Democratic Republic	1,047				240,000	241,047	26	19
Guinea-Bissau					181,200	181,200	27	20
Malawi	717				169,136	169,853	28	21
Mexico	20,686		41,167,350		166,816	41,354,852	4	22
Mozambique	7,710		10,500,800		152,799	10,661,309	7	23
Paraguay	81				70,317	70,398	32	24
Sierra Leone					69,714	69,714	33	25
Liberia					47,000	47,000	34	26
India	248,512				31,312	279,824	25	27
Belize					19,378	19,378	38	28

Country	Size (in hectare)						Rank	
	Dominant Project type*						Total area	Total REDD
	ARR	IFM	Jurisdictional	other	REDD	Grand Total		
Panama					13,915	13,915	41	29
Chile	6,061				1,273	7,334	45	30
Viet Nam	365				1,238	1,603	51	31
Fiji	7,347				1,135	8,482	42	32
Solomon Islands					856	856	54	33
Ghana	15,000				800	15,800	40	34
Vanuatu					166	166	57	35
South Africa	16,998				-	16,998	39	n/a
Argentina	6,927					6,927	46	n/a
Burkina Faso	1,607					1,607	50	n/a
China	509,883	163,625				673,508	21	n/a
Congo		92,530				92,530	29	n/a
Costa Rica	2,248					2,248	48	n/a
Côte d'Ivoire			1,810,900			1,810,900	13	n/a
Egypt	210					210	55	n/a
Honduras	150					150	58	n/a
Malaysia		25,000	7,390,400			7,415,400	8	n/a
Mali	3,339					3,339	47	n/a
Mongolia				77,000		77,000	31	n/a
Nicaragua	7,488					7,488	44	n/a
Niger	8,472					8,472	43	n/a
Nigeria			2,146,130			2,146,130	12	n/a
Philippines	177					177	56	n/a
Senegal	30,826					30,826	35	n/a
Sri Lanka	2,000					2,000	49	n/a
Timor-Leste	20,863					20,863	37	n/a
Togo	1,000					1,000	53	n/a
Trinidad and Tobago	1,339					1,339	52	n/a
Uganda	28,627	113				28,740	36	n/a
Uruguay	78,377					78,377	30	n/a
Grand Total	2,358,616	299,592	885,173,126	77,000	50,256,072	938,164,407	.	.

Note: Jurisdictional refers to jurisdictional REDD+ programs; REDD refers to REDD+ projects

1.1.3 Area, project, and average project size by country, for ongoing REDD+ dominant projects

Filter:	Dominant type = REDD+, Status: Ongoing (2020)
Total population:	155 projects
Missing data:	8 projects
Total observation :	147 projects

Region/Country	Total Size (in hectare)	Count of Project	Average Project Size (in hectare)	Rank by region (Area)
Africa	8,893,154	34	286,876	N/A
Cameroon	1,247,391	2	623,696	3
Congo, the Democratic Republic of the	501,371	2	250,686	6
Ethiopia	333,924	1	333,924	8
Ghana	800	1	800	14
Guinea-Bissau	181,200	1	181,200	9
Kenya	2,646,810	8	378,116	1
Liberia	47,000	1	47,000	13
Madagascar	1,017,439	4	339,146	4
Malawi	169,136	1	169,136	10
Mozambique	152,799	1	152,799	11
Sierra Leone	69,714	1	69,714	12
South Africa	ND	1	ND	ND
Tanzania, United Republic of	467,780	5	93,556	7
Zambia	1,272,803	4	318,201	2
Zimbabwe	784,987	1	784,987	5
Asia & Oceania	11,613,822	35	341,583	N/A
Cambodia	894,115	4	223,529	3
Fiji	1,135	1	1,135	8
India	31,312	3	10,437	6
Indonesia	5,936,444	18	349,203	1
Lao People's Democratic Republic	240,000	1	240,000	5
Myanmar	3,888,200	1	3,888,200	2
Papua New Guinea	620,356	4	155,089	4
Solomon Islands	856	1	856	9
Vanuatu	166	1	166	10
Viet Nam	1,238	1	1,238	7
South America	29,749,096	86	362,794	N/A
Belize	19,378	3	6,459	9
Bolivia, Plurinational State of	832,500	2	416,250	5
Brazil	14,190,032	27	591,251	1
Chile	1,273	1	1,273	11
Colombia	10,897,008	28	403,593	2
Ecuador	632,810	3	210,937	6
Guatemala	852,026	2	426,013	4
Mexico	166,816	3	55,605	7
Panama	13,915	1	13,915	10
Paraguay	70,317	3	23,439	8
Peru	2,073,021	13	159,463	3
Grand Total	50,256,072	155	341,878	

1.2 Status changes between 2018 and 2020 updates

Note: 2018 status is based on IDRECCO v.3.0 (Simonet et al., 2018)

Filter:	n/a		
Total population:	624	projects	
Missing data:	0	projects	
Total observation :	624	projects	

	Status in 2018				
Status in 2020	NEW in 2020	Ongoing	Other	Planned	Grand Total
Ongoing	127	285		4	416
Other	6	85	91	24	206
Planned	2				2
Grand Total	135	370	91	28	624

Filter:	REDD+ -dominant projects		
Total population:	275	projects	
Missing data:	0	projects	
Total observation :	275	projects	

	Status_2018_simple				
Status_2020_simple	NEW in 2020	Ongoing	Other	Planned	Grand Total
Ongoing	43	112			155
Other	2	45	51	21	119
Planned	1				1
Grand Total	46	157	51	21	275

Status: Planned, Ongoing, Other (Abandoned, Terminated ahead of schedule, Ended, Temporarily Paused, Cannot be confirmed)

2 Characteristics of REDD+ projects globally, 2020

2.1 Total area (ha) of projects, globally

Filter:	Dominant project type = REDD+ AND Status 2020 = Ongoing		
Total population:	155	projects	
Missing data:	8	projects	
Total observation :	147	projects	
Total area:	50,256,072	ha	

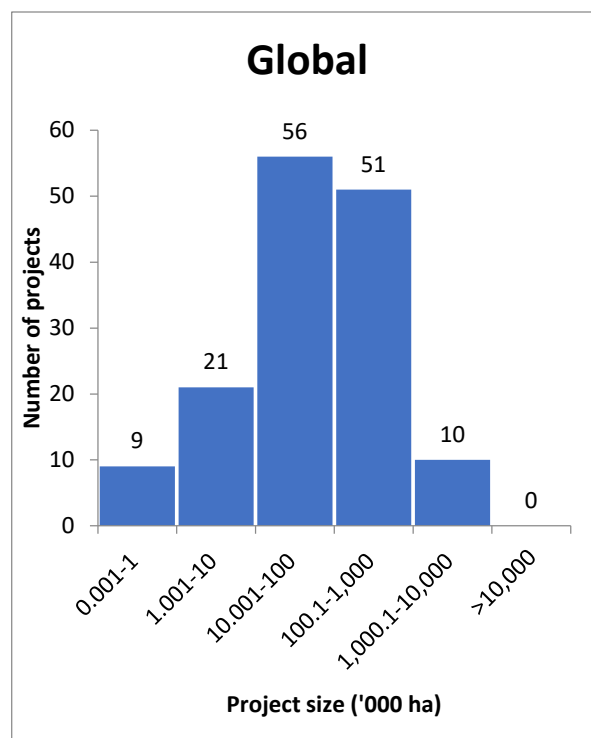
2.2 Distribution of area (ha) of projects

2.2.1 Global

Filter:		Dominant project type = REDD+ AND Status 2020 = Ongoing
Total population:	155	projects
Missing data:	8	projects
Total observation :	147	projects
Project size ('000 ha)	Number of projects	Cumulative %
0.001-1	9	6.12%
1.001-10	21	20.41%
10.001-100	56	58.50%
100.1-1,000	51	93.20%
1,000.1-10,000	10	100.00%
>10,000	0	100.00%
Statistic	Value	Unit
Mean	341,878	ha
Standard Error	83,916	ha
Median	64,977	ha
Kurtosis	57.84*	n/a
Skewness	6.84**	n/a
Minimum	65	ha
Maximum	10,000,000	ha

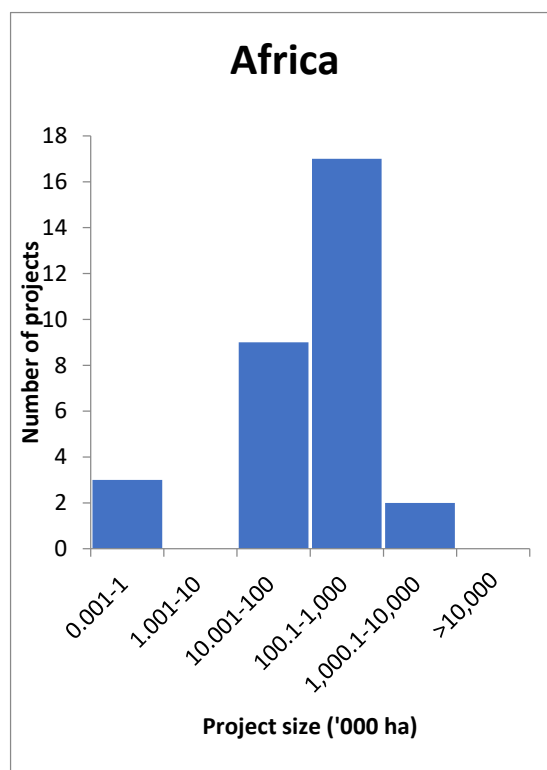
* Many outliers consisting of very large projects

** Highly skewed to the right



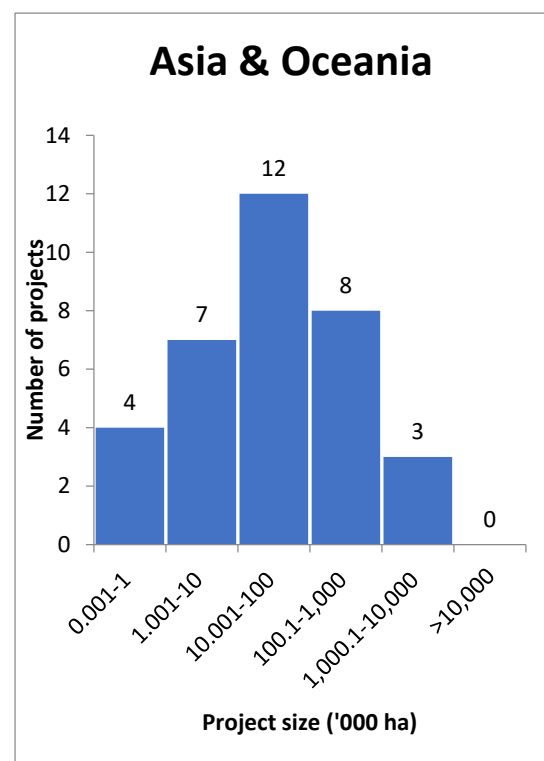
2.2.2 Africa

Filter:	Dominant project type = REDD+ AND Status 2020 = Ongoing AND Region = Africa	
Total population:	34	projects
Missing data:	3	projects
Total observation :	31	projects
Project size ('000 ha)	Number of projects	Cumulative %
0.001-1	3	9.68%
1.001-10	0	9.68%
10.001-100	9	38.71%
100.1-1,000	17	93.55%
1,000.1-10,000	2	100.00%
>10,000	0	100.00%
Statistic	Value	Unit
Mean	286875.9355	ha
Standard Error	77048.12948	ha
Median	165000	ha
Kurtosis	8.730654106	n/a
Skewness	2.792373708	n/a
Minimum	117	ha
Maximum	2015790	ha



2.2.3 Asia and Oceania

Filter:	Dominant project type = REDD+ AND Status 2020 = Ongoing AND Region = South America	
Total population:	86	projects
Missing data:	4	projects
Total observation :	82	projects
Project size ('000 ha)	Number of projects	Cumulative %
0.001-1	4	11.76%
1.001-10	7	32.35%
10.001-100	12	67.65%
100.1-1,000	8	91.18%
1,000.1-10,000	3	100.00%
>10,000	0	100.00%



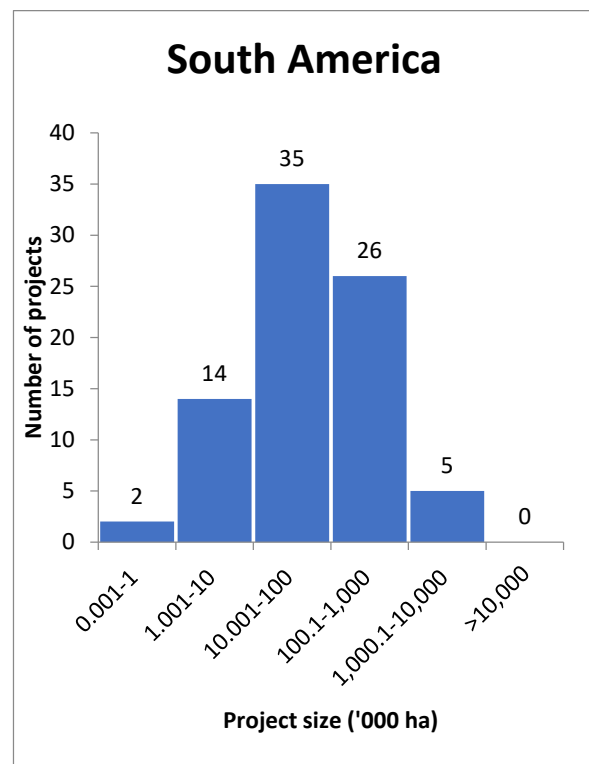
<i>Statistic</i>	<i>Value</i>	<i>Unit</i>
Mean	341,583	ha
Standard Error	141,141	ha
Median	24,257	ha
Kurtosis	11.33	n/a
Skewness	3.32	n/a
Minimum	65	ha
Maximum	3,888,200	ha

2.2.4 South America

Dominant project type = REDD+ AND Status 2020 = Ongoing AND Region = South America	
Filter:	
Total population:	86 projects
Missing data:	4 projects
Total observation :	82 projects

<i>Project size ('000 ha)</i>	<i>Number of projects</i>	<i>Cumulative %</i>
0.001-1	2	2.44%
1.001-10	14	19.51%
10.001-100	35	62.20%
100.1-1,000	26	93.90%
1,000.1-10,000	5	100.00%
>10,000	0	100.00%

<i>Statistic</i>	<i>Value</i>	<i>Unit</i>
Mean	362,794	ha
Standard Error	136,155	ha
Median	62,361	ha
Kurtosis	47.91	n/a
Skewness	6.53	n/a
Minimum	500	ha
Maximum	10,000,000	ha



3 References

Simonet G., Agrawal A., Bénédet F., Cromberg M., de Perthuis C., Haggard D., Jansen N., Karsenty A., Liang W., Morel, A., Newton P., Sales A-M, Schaap B., Seyller C., Vaillant G., (2018) ID-RECCO, International Database on REDD+ projects and programs: Linking Economics, Carbon and Communities, Version 3.0. <http://www.reddprojectsdatabase.org>

Simonet G., Atmadja, S., Agrawal A., Bénédet F., Cromberg M., de Perthuis C., Haggard D., Jansen N., Karsenty A., Liang W., Morel, A., Newton P., Sales A-M, Satwika, A., Schaap B., Seyller C., Silviana, V., Vaillant G., (2021) ID-RECCO, International Database on REDD+ projects and programs: Linking Economics, Carbon and Communities, Version 4.1. <http://www.reddprojectsdatabase.org>