Ecography

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Supplementary material

Appendix 1

Table A1. Localities sampled in the research and their respective coordinates.

Sample type	Locality	Coordinates
Gabon		
Tree plots	Djidji I	00°08'23.3"N 12°43'36.9"E
	Djidji I Slope	00°08'28.2"N 12°43'32.2"E
	Djidji II Level	00°10'24.6"N 12°45'59.3"E
	Djidji II Slope	00°10'17.2"N 12°45'03.4"E
	Kongou	00°16'53.0"N 12°33'44.6"E
	Kongou Slope	00°16'45.8"N 12°33'49.1"E
	Langoue	00°10'48.7"S 12°32'18.3"E
	Lope, Angak	00°10'24.5"S 11°34'27.1"E
	Lope I Slope	00°10'22.8"S 11°34'27.8"E
	Lope II Slope	00°12'00.4"S 11°34'18.2"E
	Mondah	00°34'31.8"N 09°20'04.6"E
Strips	Djidji I	00°09'38.9"N 12°43'44.7"E
	Djidji II	00°09'38.9"N 12°43'44.7"E
	Djidji III	00°09'38.9"N 12°43'44.7"E
	Langoue I	00°10'45.7"S 12°32'18.4"E
	Langoue II	00°10'48.4"S 12°32'21.7"E
	Langoue III	00°10'45.4"S 12°32'21.5"E
	Lope I	00°12'44.8"S 11°34'56.0"E
	Lope II	00°12'58.1"S 11°34'57.0"E
	Lope III	00°10'05.2"S 11°34'38.2"E
	Lope IV	00°10'12.4"S 11°34'23.4"E
	Lope V	00°10'17.1"S 11°34'25.8"E
	Mondah I	00°34'31.8"N 09°20'04.6"E
	Mondah II	00°34'32.6"N 09°20'04.8"E
	Mondah III	00°34'33.9"N 09°20'02.8"E
	Mondah IV	00°34'31.8"N 09°20'04.6"E
	Mondah V	00°34'33.3"N 09°20'03.7"E
	Omboue I	01°51'08.2"S 09°20'07.9"E
	Omboue II	01°51'11.6"S 09°20'12.3"E
	Rabi I	01°55'40.9"S 09°52'50.1"E
	Rabi II	01°55'28.2"S 09°52'45.0"E
	Rabi III	01°55'37.3"S 09°52'49.2"E
Perú		
Tree plots	Altos de Maizal	11°48'S 71°28'W
	Barranco	11°53'S 71°23'W
	Diamante	12°19'S 70°56'W
	Pariamanu	12°23'S 69°21'W
	Rio Acre	10°58'S 69°40'W
	Río Amigos	12°32'S 70°05'W
	Rio Piedras	12°21'S 69°14'W
	Tambopata TF	12°49'S 69°19'W
	TM-Ravine	11°54'14.3"S 71°24'08.2"W
	TM-Terrace	11°54'03.4"S 71°24'03.5"W
Strips	TM-Terrace I	11°54'02.5"S 71°24'04.1"W
	TM-Terrace II	11°54'03.4"S 71°24'03.5"W
	TM-Ravine I	11°54'18.3"S 71°24'08.5"W
	TM-Ravine II	11°54'14.3"S 71°24'08.2"W
	T-M Barranco I	11°53'56."S6 71°25'26.1"W
	T-M Barranco II	11°53'56.6"S 71°25'28.7"W
	CM Terrace I	11°59'16.0"S 71°14'09.9"W
	CM Terrace II	11°59'14.3"S 71°14'03.5"W
	CM Barranco I	11°58'54.7"S 71°14'15.6"W
	CM Barranco II	11°58'48.7"S 71°14'07.4"W

Table A2. Mean numbers of stems/m^2 for seedlings and small stems <1m tall in Peruvian and Gabonese forests.

	No.	Seedlings	Herbs	Lianas	Trees
Locality	samples	Ht ≤10 cm	Ht ≥10 cm, <1 m		
Perú					
T-M Terrace	4	3.8	2.6	3.0	1.8
TM-Ravine	4	9.5	2.7	3.7	2.3
TM-Barranco	4	3.0	3.4	3.9	3.2
CM Terrace	4	9.2	5.9	2.2	2.4
CM Barranco	4	4.6	2.5	2.9	1.6
Mean Perú		**6.0**	**3.4**	**3.1**	**2.3**
Gabon					
Langoue	8	4.0	1.1	0.9	3.8
Lope	6	1.7	0.5	0.3	0.8
Rabi	6	7.7	2.6	1.6	3.7
Djidji	6	3.0	3.2	1.0	4.8
Omboue	4	6.7	0.3	2.1	6.3
Mondah	10	3.1	8.9	0.7	2.8
Mean Gabon[1]		**4.4**	**2.8**	**1.1**	**3.7**

1. Values are weighted means of m^2 sampling units by site to give equal weight to each locality.

Table A3. Mean numbers of small (≥1 m tall, <1 cm dbh) and large (≥1 cm, <10 cm dbh) tree and liana saplings/100 m^2 in successive height and diameter classes in Peruvian and Gabonese forests.

Locality	No. samples	Small saplings ≥1 m ht, <1 cm dbh	Small lianas ≥1 m ht, <1 cm dbh	Large saplings ≥1 m ht, <1 cm dbh	Large lianas ≥1 m ht, <1 cm dbh
Perú					
T-M Terrace	2	55.5	22.5	29.5	5.5
TM-Ravine	2	72.5	28.0	50.5	7.5
TM-Barranco	2	79.5	35.0	37.5	1.5
CM Terrace	2	69.0	44.5	40.5	11.5
CM Barranco	2	69.5	47.0	37.0	8.5
Mean Perú		**69.2**	**35.4**	**39.0**	**6.9**
Gabon					
Langoue	3	40.3	12.7	31.3	6.3
Lope	5	10.6	5.6	29.4	3.4
Rabi1	3	87.7	42.3	82.0	20.3
Djidji	3	99.3	7.0	51.7	2.0
Mondah	5	36.8	15.2	39.6	3.4
Omboue	2	56.0	6.5	56.5	3.0
Mean Gabon2		**54.9**	**16.6**	**46.8**	**7.1**

1. Rabi = old secondary forest

2. Weighted means by site to correct for unequal sample sizes.

Figure A1. Comparison of tree diversity at sites in Gabon and Perú as calculated by Fisher's alpha and the Chao and Jost method.