

Supplementary Information

Table S1. Average number of individuals (N) per diameter class (DC). These values were used as estimates of tree richness per hectare.

DC (cm)	N
10-20	428
20-30	192
30-40	121
40-50	75
50-60	43
60-70	33
>70	55

Table S2. Selection statistics of the different rank-abundance models for each of the land uses.

AIC = Akaike Information Criterion, BIC = Bayesian Information Criterion and D = Deviation.

Land Use	Statistics	Broken-stick	Lognormal	Preemption	Zipf	Zipf-Mandelbrot
AGRI	AIC	405.13	244.32	376.73	217.68	217.74
	BIC	405.13	248.81	378.98	222.18	224.49
	D	202.57	37.76	172.17	11.12	9.18
RF	AIC	2334.69	788.39	1947.14	852.63	854.63
	BIC	2334.69	794.52	1950.21	858.76	863.82
	D	1771.9	221.6	1382.35	285.84	285.84
SF	AIC	1395.2	495.03	880.07	535.74	390.78
	BIC	1395.2	500.45	882.78	541.16	398.91
	D	1038.51	134.33	521.37	175.04	28.09
SFF	AIC	1589.62	826.75	1047.87	1224.39	730.23
	BIC	1589.62	833.28	1051.13	1230.92	740.02
	D	909.17	142.3	365.42	539.94	43.78
LF	AIC	11242.07	1444.38	5604.59	1405.64	1029.81
	BIC	11242.07	1450.46	5607.63	1411.72	1038.92
	D	10668.73	867.05	5029.26	828.31	450.48
PAST	AIC	1040.04	368.17	646.57	443.95	344.08
	BIC	1040.04	373.26	649.11	449.03	351.71
	D	723.63	47.76	328.16	123.54	21.67
AFC	AIC	290.5	230.77	275.82	251.66	245.16
	BIC	290.5	235.12	278	256	251.68
	D	90.76	27.03	74.08	47.91	39.42

Figure S1. Common tree species of the Catacamas landscape and their abundance by land use.

