Supplementary material

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| ***Table A1. : Abbreviations and vegetation type correspondences.*** | | | |
| **Vegetation number** | **Abbreviation vegetation** | **Type of vegetation** | **Type of area** |
| 1 | 000Magua | Continental water | / |
| 18 | Ag+Pahs | Agropastoralism + Pioneer formation with fluvial and/or lacustrine herbaceous influence without palm trees | Dominant Anthropic Area |
| 25 | Ag+Vss+Db | Agropastoralism + Secondary vegetation without palm trees + Lowlands | Dominant Anthropic Area |
| 29 | Ag+Vss+Pa.D | Agropastoralism + Secondary vegetation without palm trees + Vegetation with a dense fluvial and/or lacustrine influence | Dominant Anthropic Area |
| 60 | Ap+Pa+Vss.F | Cattle (grazing) + Vegetation with fluvial and/or lacustrine influence + Secondary vegetation without palm trees + Seasonal semi-deciduous forest | Dominant Anthropic Area |
| 76 | Ap+Vss+Db | Cattle (pasture) + Secondary vegetation without palms + Lowlands | Dominant Anthropic Area |
| 78 | Ap+Vss+Ds | Cattle (grazing) + Secondary vegetation without palms + Dense submontane rainforest | Dominant Anthropic Area |
| 79 | Ap+Vss+Fb | Livestock (grazing) + Secondary vegetation without palms + Seasonal semi-deciduous lowland forest | Dominant Anthropic Area |
| 91 | Da+Vss | Dense alluvial rainforest + Secondary vegetation without palms | Dominant Natural Vegetation |
| 92 | Db+Vss | Lowland + Secondary vegetation without palms | Dominant Natural Vegetation |
| 94 | Db+Vss+Ap | Lowlands + Secondary vegetation without palms + Livestock (grazing) | Dominant Natural Vegetation |
| 105 | Dm+Vss | Dense rainforest + secondary vegetation without palms | Dominant Natural Vegetation |
| 106 | Dm+Vss+Ar | Dense rainforest + secondary vegetation without palms + rocky outcrops | Dominant Natural Vegetation |
| 113 | Ds+Vss | Dense submontane rainforest + Secondary vegetation without palms | Dominant Natural Vegetation |
| 119 | Fb+Vss | Seasonal lowland semi-deciduous forest + Secondary vegetation without palms | Dominant Natural Vegetation |
| 121 | Iu.D | Urban influence. Densa rainforest | Dominant Anthropic Area |
| 124 | Iu.P | Urban influence + Palm trees | Dominant Anthropic Area |
| 175 | Pahs+Iu | No palm trees + Urban influence | Dominant Anthropic Area |
| 180 | Pfm | Pioneer formation with fluvial influence - arboricultural | Dominant Natural Vegetation |
| 186 | Pma | Pioneer formation with marine arboreal influence | Dominant Natural Vegetation |
| 247 | Vss+Da | Secondary vegetation without palms + Dense alluvial rainforest | Dominant Anthropic Area |

Une image contenant capture d’écran, conception

Description générée automatiquement

B plot\_anth <- ggplot(presence\_anth, aes(x = presence, fill = presence)) +

geom\_bar(position = ‘dodge’) +

scale\_fill\_manual(values = c(‘lightgreen’, ‘darkgreen’),

labels = c(‘Dominant anthropic area’, ‘Dominant natural vegetation’)) +

labs(x = ‘Type of vegetation’, y = ‘Frequency’) +

ggtitle("Distribution of marmosets according to vegetation type: anthropic or natural") +

theme\_classic() +

guides(fill = guide\_legend(title = NULL)) + # Supprimer le titre de la légende

theme(legend.position = ‘right’) # Positionner la légende en dessous

plot\_anth

A

**Fig.A1***: Histograms showing the presence (black) or absence (grey) of marmosets as a function of vegetation type (A), and the origin of the vegetation occupied (B) : dominant anthropic area (grey) or dominant natural vegetation (black) .*

Une image contenant conception

Description générée automatiquement avec une confiance faibleUne image contenant texte, capture d’écran, diagramme

Description générée automatiquementUne image contenant texte, capture d’écran, affichage, conception

Description générée automatiquement

**Fig.A4***: Means of probabilities of presence of marmosets (A) and capuchins (B) in each forest fragment.*

A

B

**Fig.A3***: Graph of correlations between the probabilities of presence of marmosets and capuchins at each pixel*

**Fig.A2***: Histograms illustrating the presence of the capuchin monkey according to vegetation type: area with dominant anthropogenic influence (1) or area with dominant natural vegetation (4).*