30 Years of Post-disturbance Recruitment in a Neotropical Forest _ Supplementary Materials

Ariane MIRABEL[1*]
Eric MARCON[1]
Bruno HERAULT[2]

Abstract

[1]UMR EcoFoG, AgroParistech, CNRS, Cirad, INRA, Université des Antilles, Université de Guyane.
Campus Agronomique, 97310 Kourou, France.
[2]INPHB (Institut National Polytechnique Félix Houphoüet Boigny)
Yamoussoukro, Ivory Coast
*__Corresponding author__: ariane.mirabel@ecofog.gf, https://github.com/ArianeMirabel

Contents

Table S1: Table of pearson correlation coefficients among functional traits at species level.

	L_thickness	L_chloro	L_toughness	Brak_thickness	SLA	WD	Hmax
L_thickness	1	0.3	0.58	0.36	0.18	-0.12	0.05
L_chloro		1	0.24	0.04	-0.04	-0.05	-0.06
L_toughness			1	0.37	0.24	0.09	-0.03
L_DryMass				1	0.84	-0.23	-0.11
SLA					1	-0.23	-0.19
WD						1	0.00
Hmax							1.00

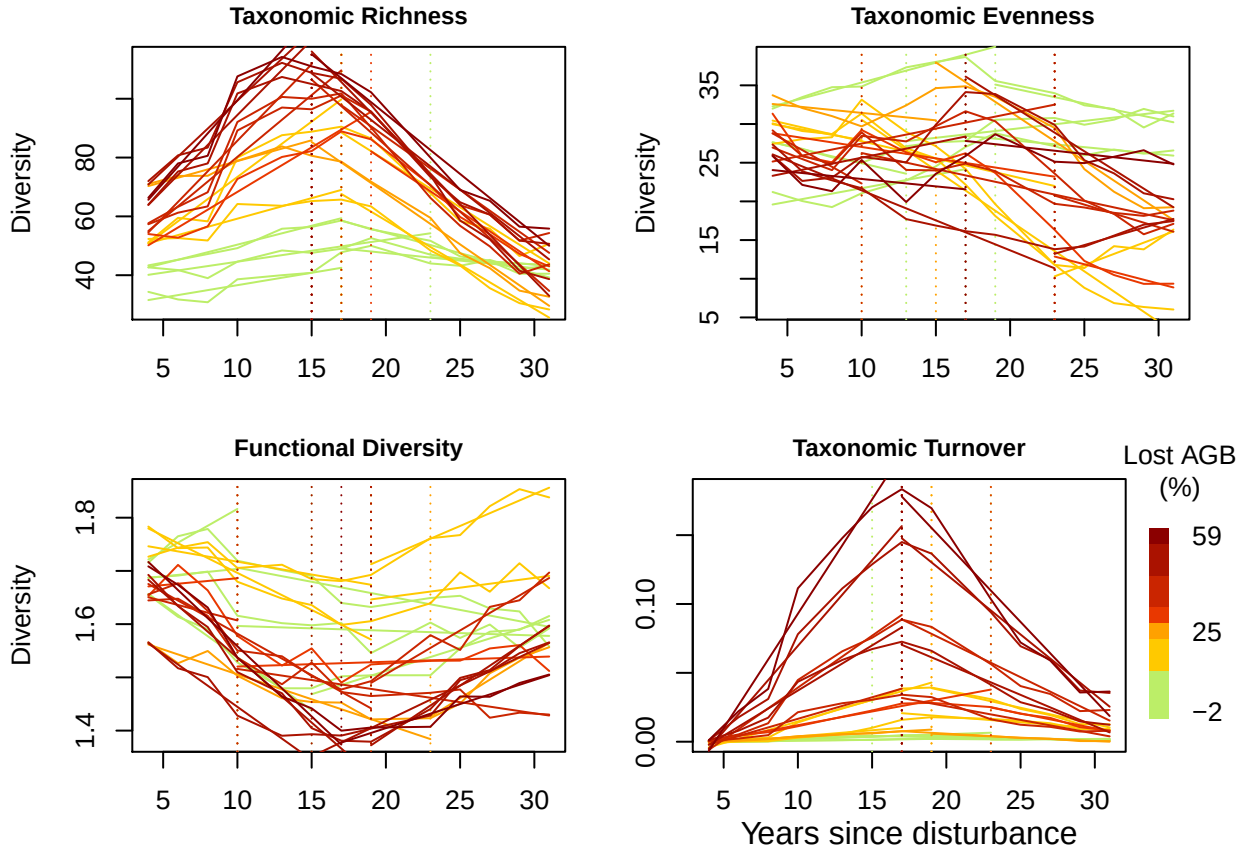

Figure S1: Breakpoint analysis of post-disturbance trajectories regarding, from left to right, taxonomic richness, taxonomic evenness, functional diversity, and taxonomic turnver of 2-years laps recuited communities. The best linear models segmented according to break points are selected based on their mean square errors. Dots are the observed trajectories, plain lines are linera model, and vertical dotted lines are the break points. Lines color correspond to initial disturbance intensity.

Table S2: List of recruited species for all plots throughout the 30 years inventoried.

Famille	Genre	Espece
Anacardiaceae	*Anacardium*	*spruceanum*
Anacardiaceae	*Tapirira*	*bethanniana*
Anacardiaceae	*Tapirira*	*guianensis*
Anacardiaceae	*Tapirira*	*obtusa*
Anacardiaceae	*Thyrsodium*	*guianense*
Anacardiaceae	*Thyrsodium*	*puberulum*
Anacardiaceae	*Thyrsodium*	*spruceanum*
Annonaceae	*Anaxagorea*	*acuminata*
Annonaceae	*Anaxagorea*	*dolichocarpa*
Annonaceae	*Annona*	*ambotay*
Annonaceae	*Annona*	*exsucca*
Annonaceae	*Annona*	*foetida*
Annonaceae	*Annona*	*prevostiae*
Annonaceae	*Duguetia*	*calycina*
Annonaceae	*Duguetia*	*yeshidan*
Annonaceae	*Fusaea*	*longifolia*
Annonaceae	*Guatteria*	*citriodora*
Annonaceae	*Guatteria*	*guianensis*
Annonaceae	*Guatteria*	*punctata*
Annonaceae	*Guatteria*	*schomburgkiana*
Annonaceae	*Oxandra*	*asbeckii*
Annonaceae	*Unonopsis*	*rufescens*
Annonaceae	*Xylopia*	*aromatica*
Annonaceae	*Xylopia*	*cayennensis*
Annonaceae	*Xylopia*	*crinita*
Annonaceae	*Xylopia*	*frutescens*
Annonaceae	*Xylopia*	*nitida*
Annonaceae	*Xylopia*	*pulcherrima*
Annonaceae	*Xylopia*	*surinamensis*
Apocynaceae	*Ambelania*	*acida*
Apocynaceae	*Aspidosperma*	*album*
Apocynaceae	*Aspidosperma*	*desmanthum*