

8TH INTERNATIONAL WILDLAND FIRE CONFERENCE

GOVERNANCE PRINCIPLES:

Towards an International
Framework

Porto - Portugal | **May 16-19th**, 2023

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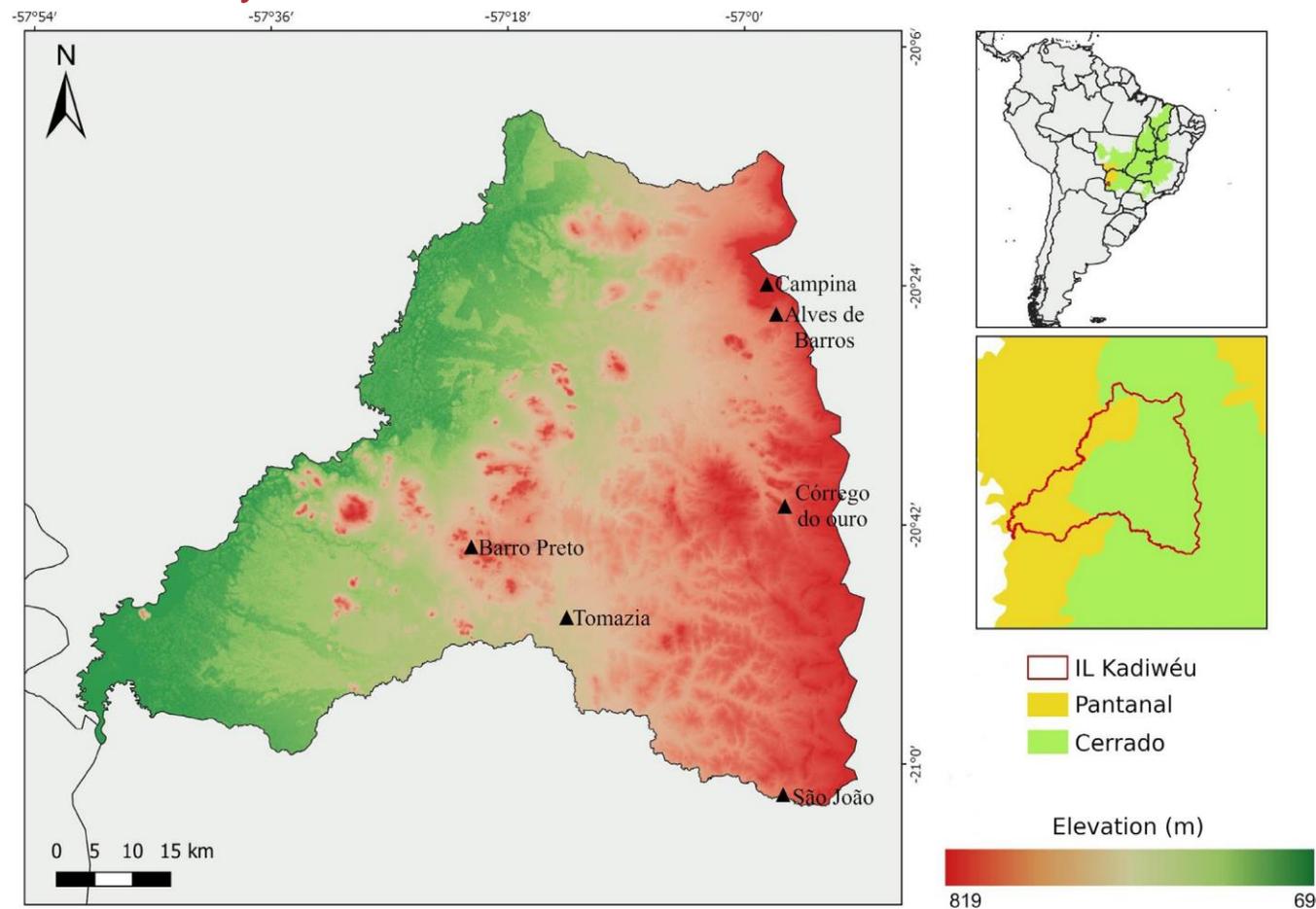
GOVERNANCE
PRINCIPLES:
Towards an
International
Framework

The Noleedi project

Effects of IFM conducted by indigenous brigades in wildfire prevention and biodiversity conservation in a Savannah/Wetland Ecotone

The Noleedi project

Effects of IFM conducted by indigenous brigades in wildfire prevention and biodiversity conservation



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The Noleedi project

Effects of IFM conducted by indigenous brigades in wildfire prevention and biodiversity conservation

- Effect of IFM on wildfires
- Effect of fire frequency and fire intensity on Biota
 - Butterflies, Mammals, Birds, Arachnids, plants

The Noleedi project

Effects of IFM conducted by indigenous brigades in wildfire prevention and biodiversity conservation

Received: 29 January 2021 | Accepted: 15 December 2021

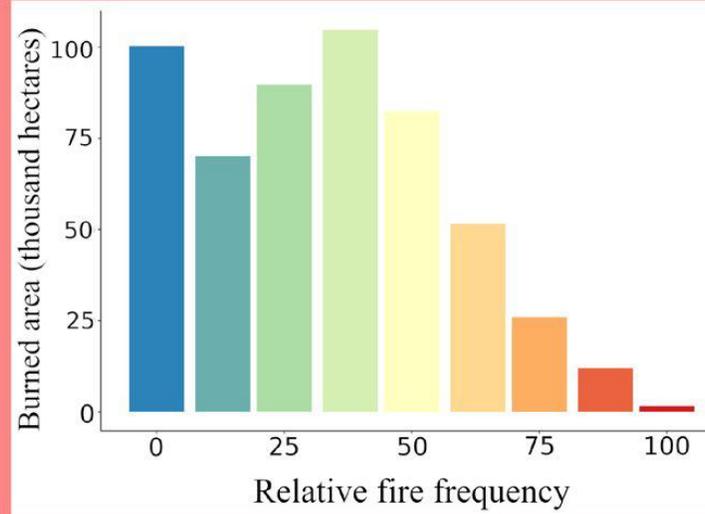
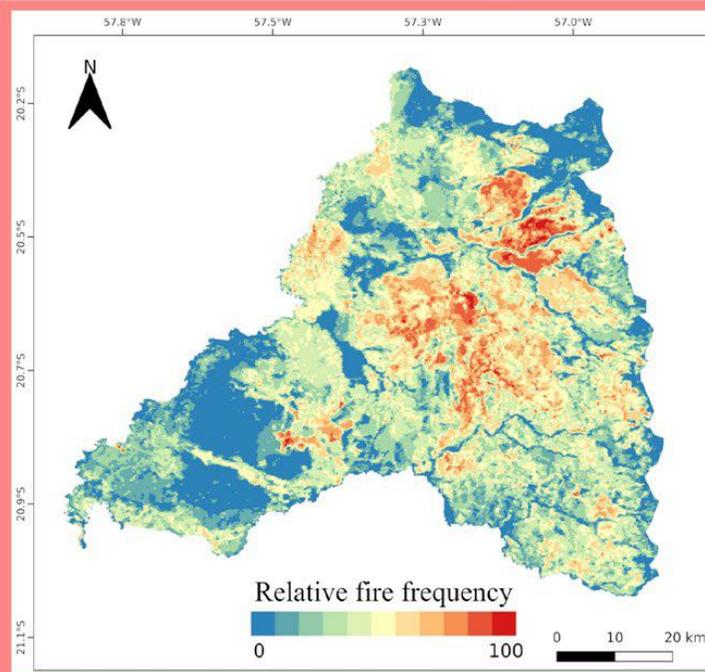
DOI: 10.1111/1365-2664.14139

RESEARCH ARTICLE

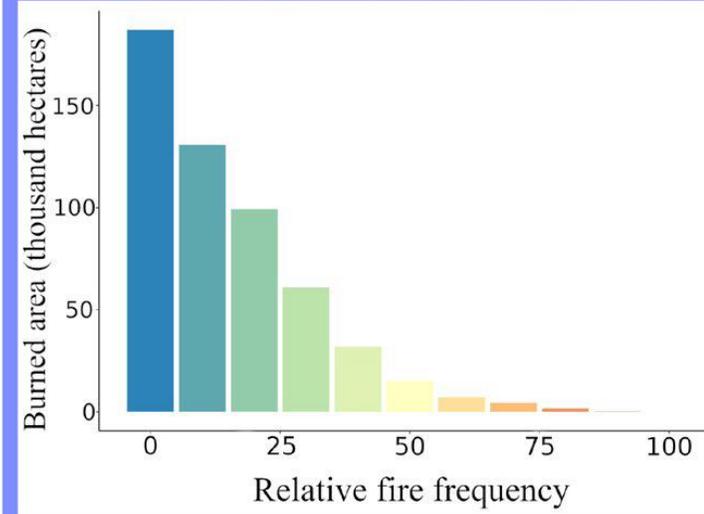
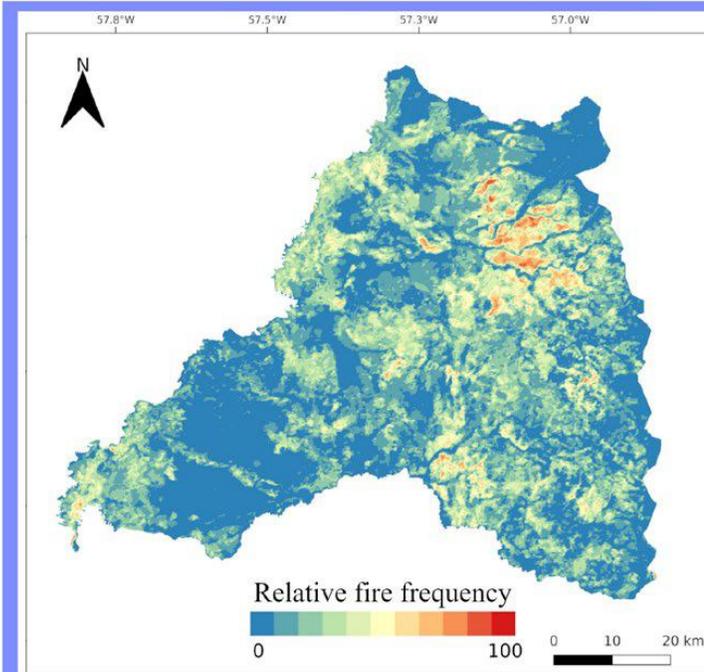
Journal of Applied Ecology  BRITISH
ECOLOGICAL
SOCIETY

Indigenous brigades change the spatial patterns of wildfires, and the influence of climate on fire regimes

Maxwell R. Oliveira¹  | Bruno H. S. Ferreira¹  | Evaldo B. Souza¹  | Aline A. Lopes² |
Fábio P. Bolzan¹  | Fábio O. Roque¹  | Arnildo Pott¹  | Alexandre M. M. Pereira³  |
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Mesaque Rocha⁴ | Silvio Xavier⁴ | Rubens A. Ferraz⁴ | Danilo B. Ribeiro¹ 

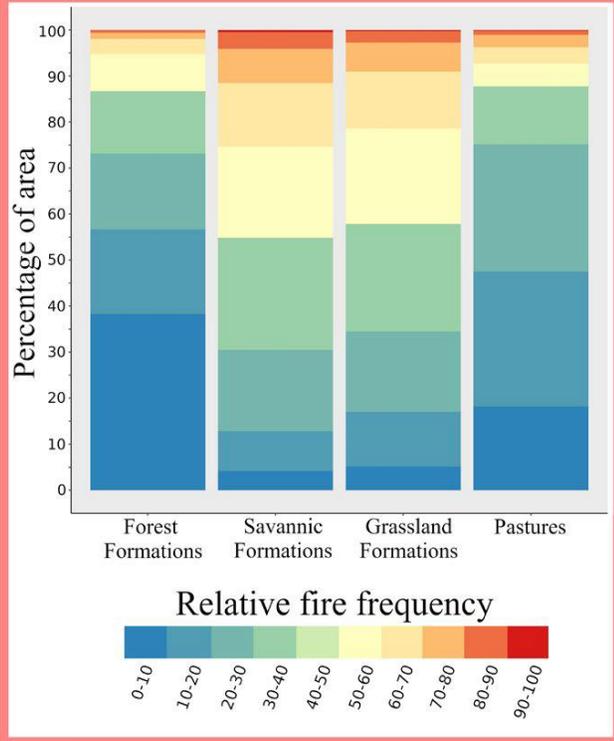


Without
indigenous brigades

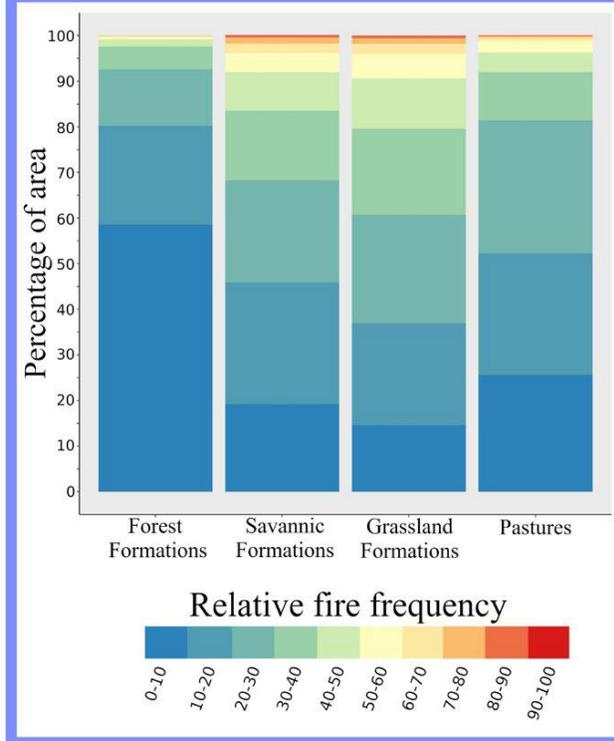


With
indigenous brigades

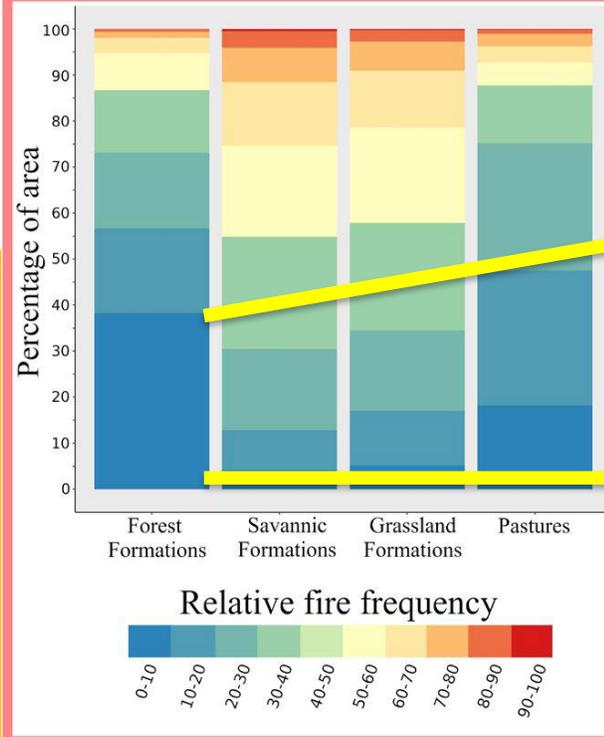
Without indigenous brigades



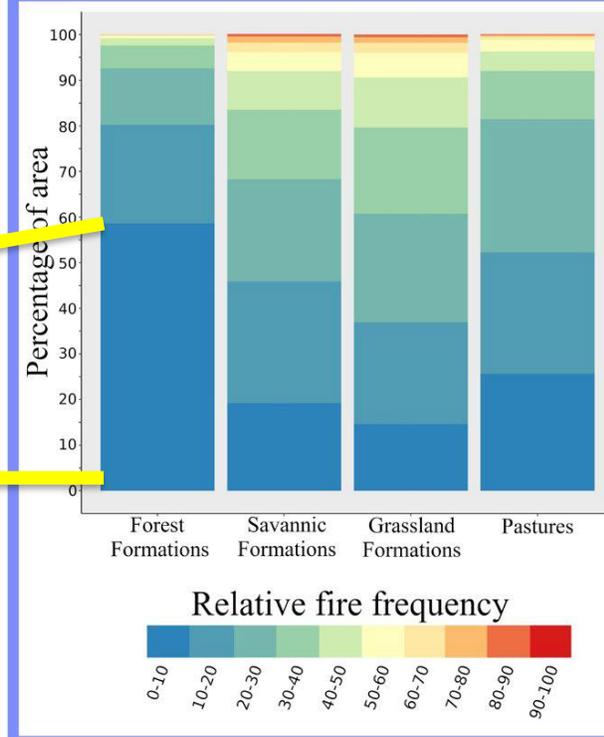
With indigenous brigades

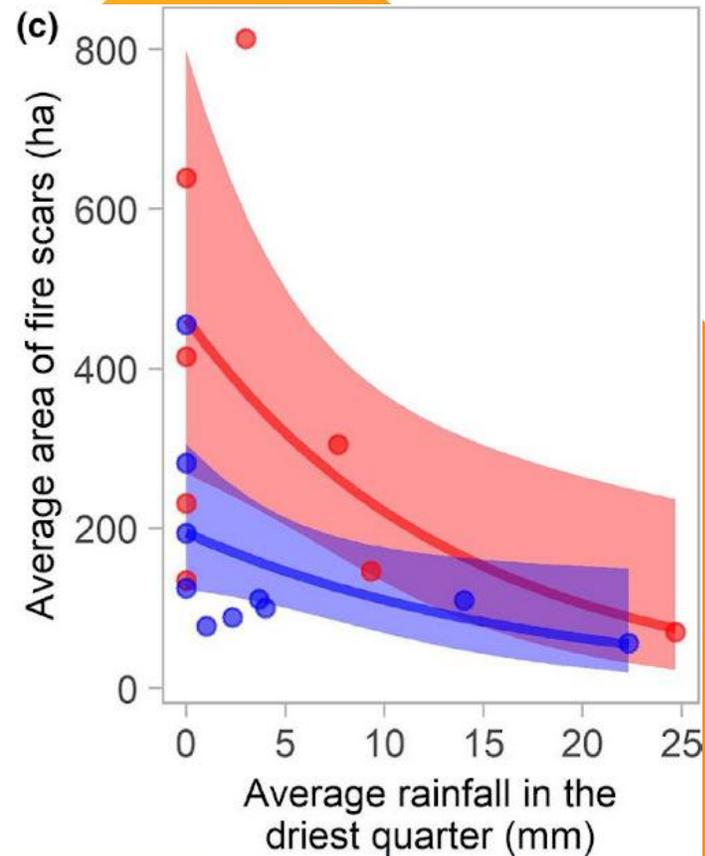
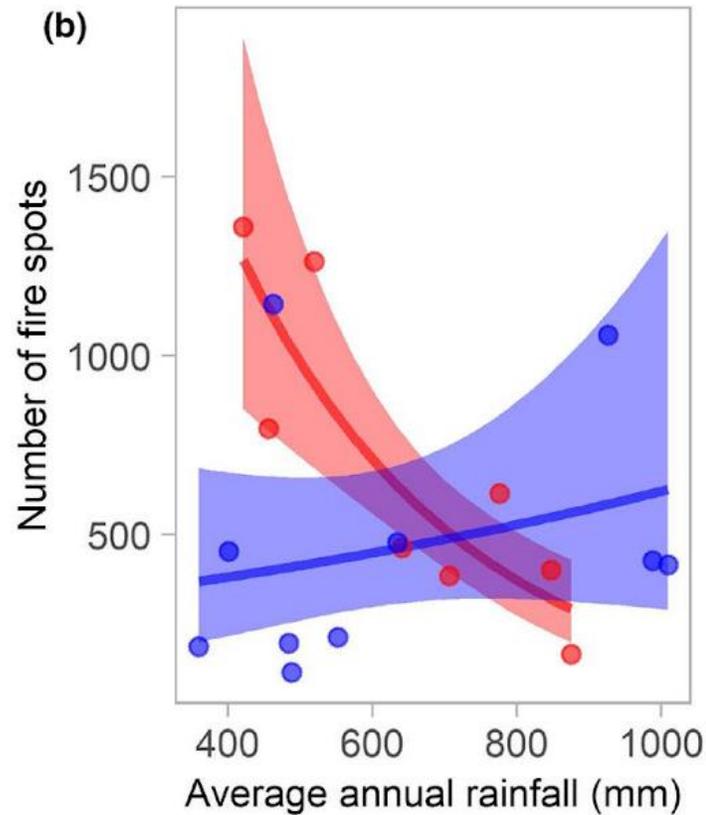
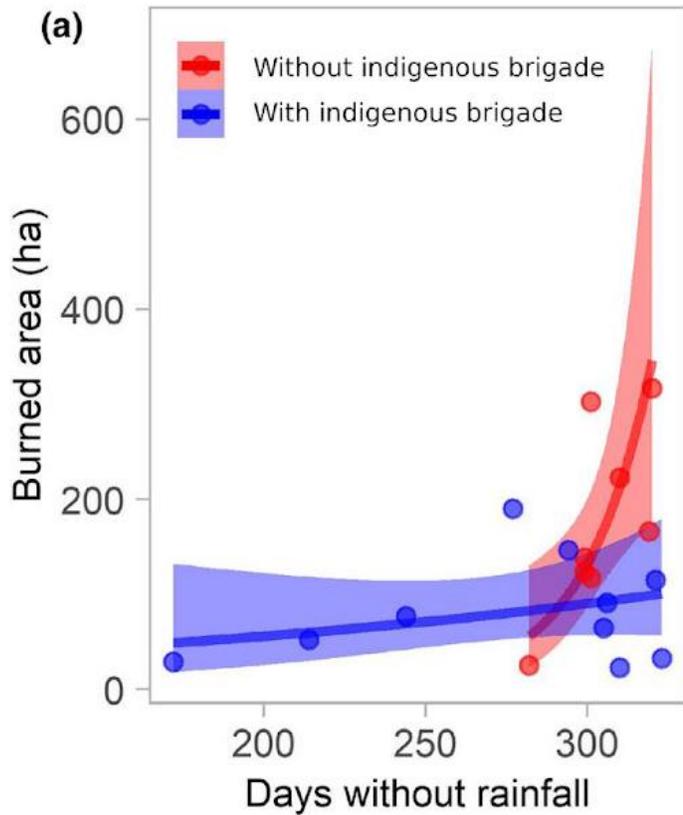


Without indigenous brigades



With indigenous brigades



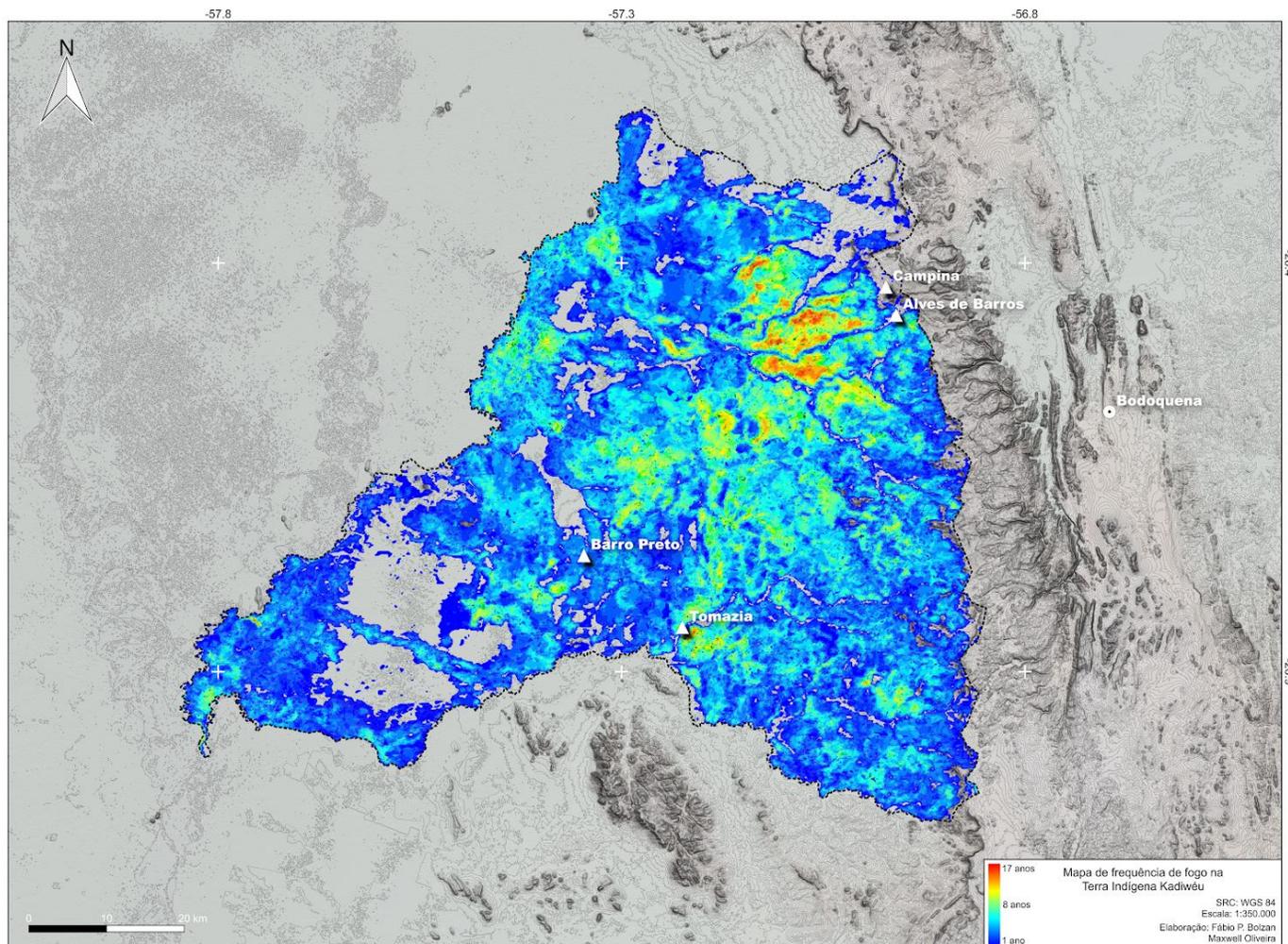


The Noleedi project

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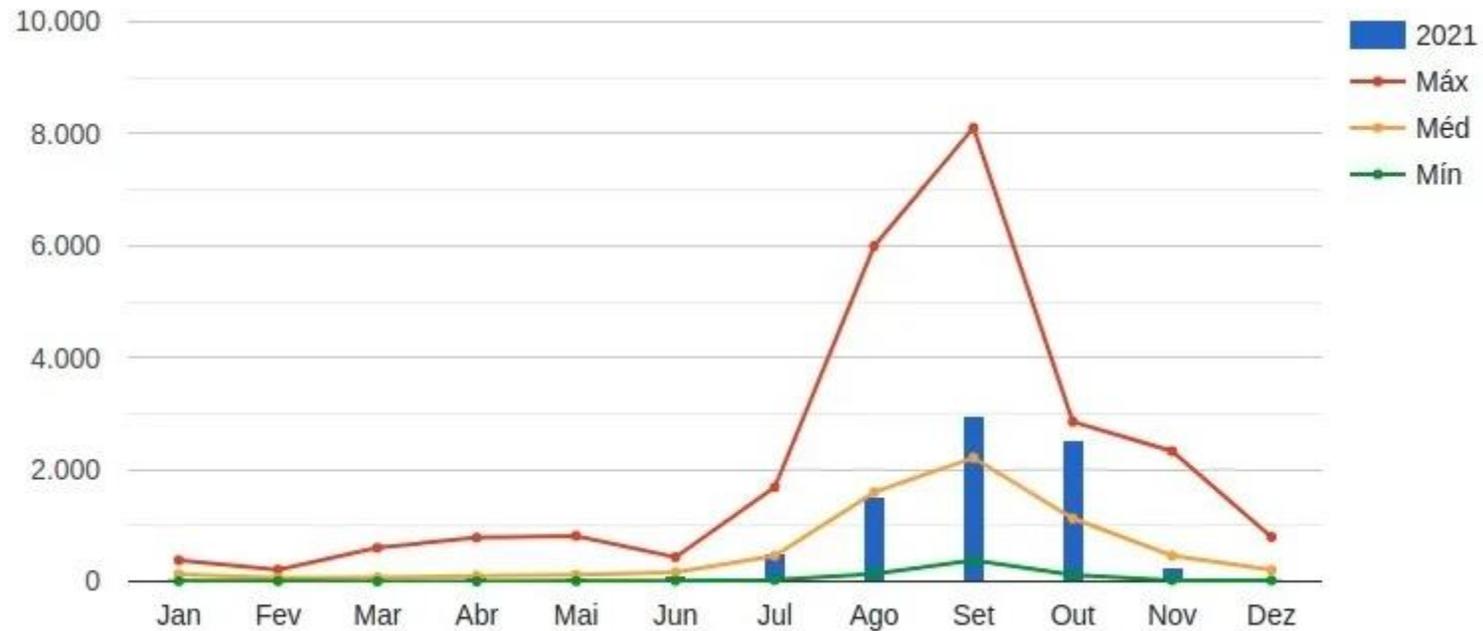
Fire Frequency



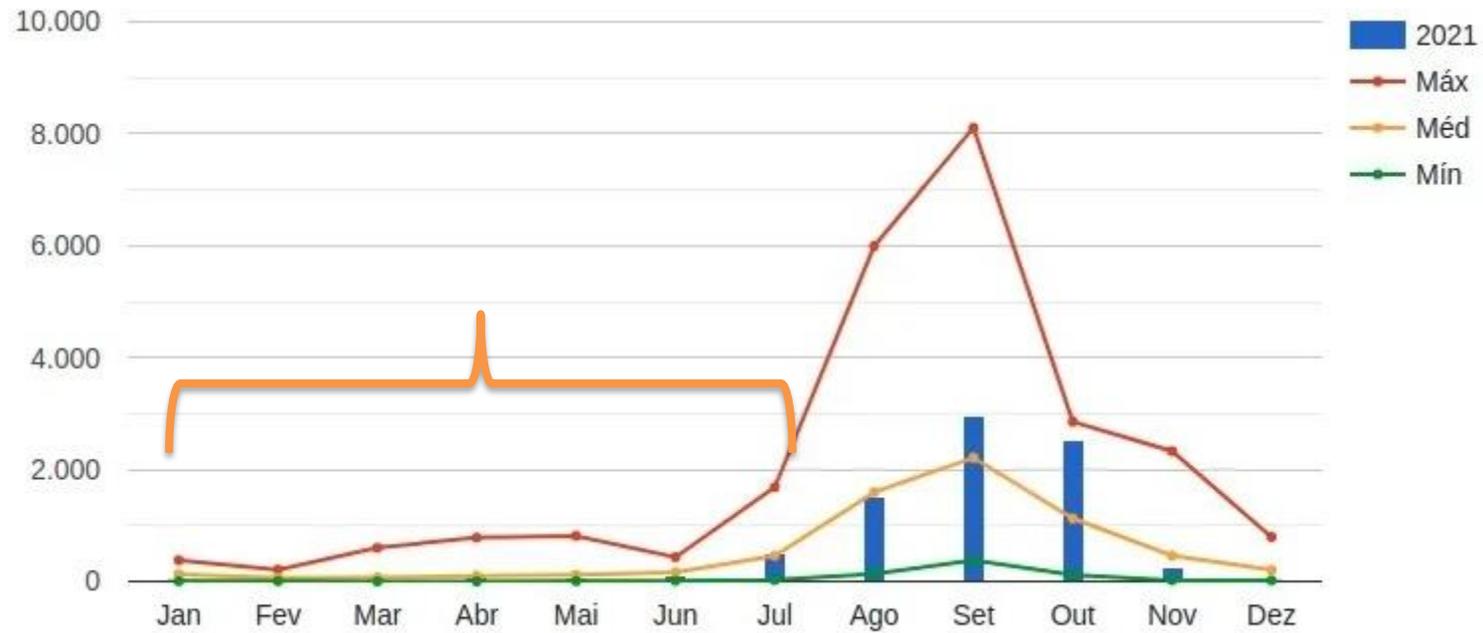
Low Frequency – 7 or less events

High Frequency – 8 or more

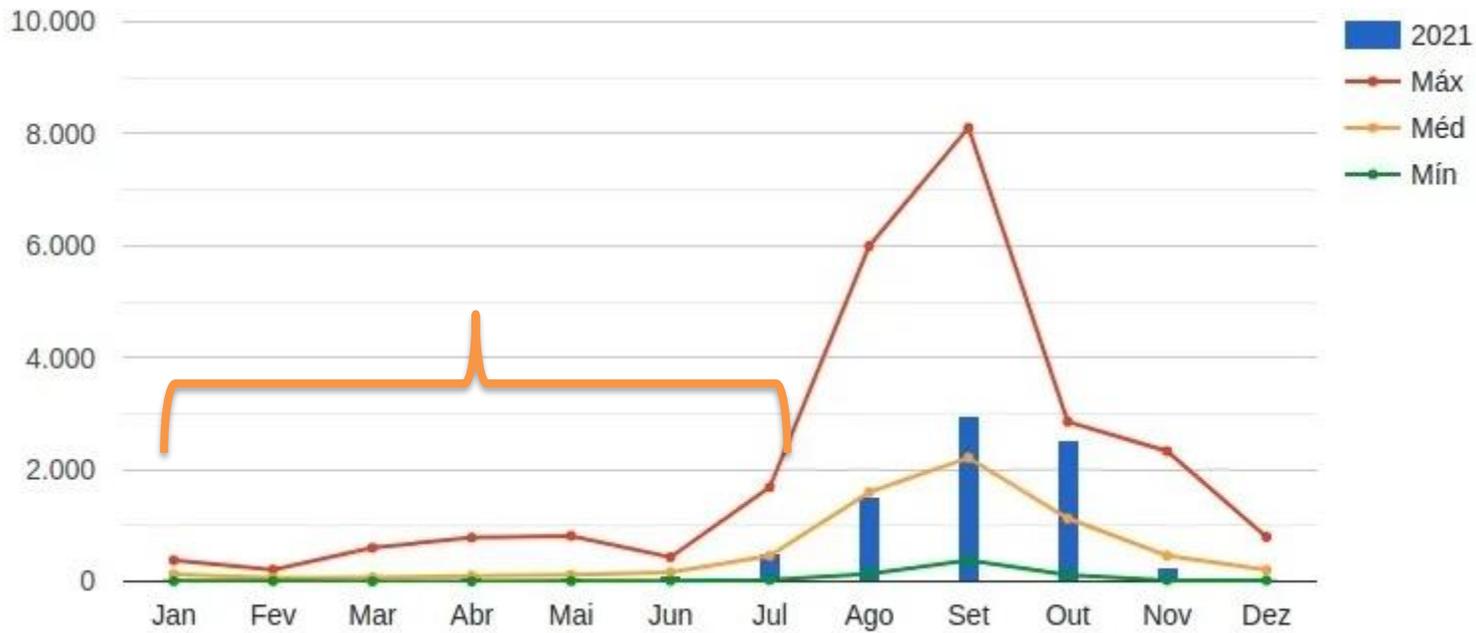
Fire Intensity



Fire Intensity

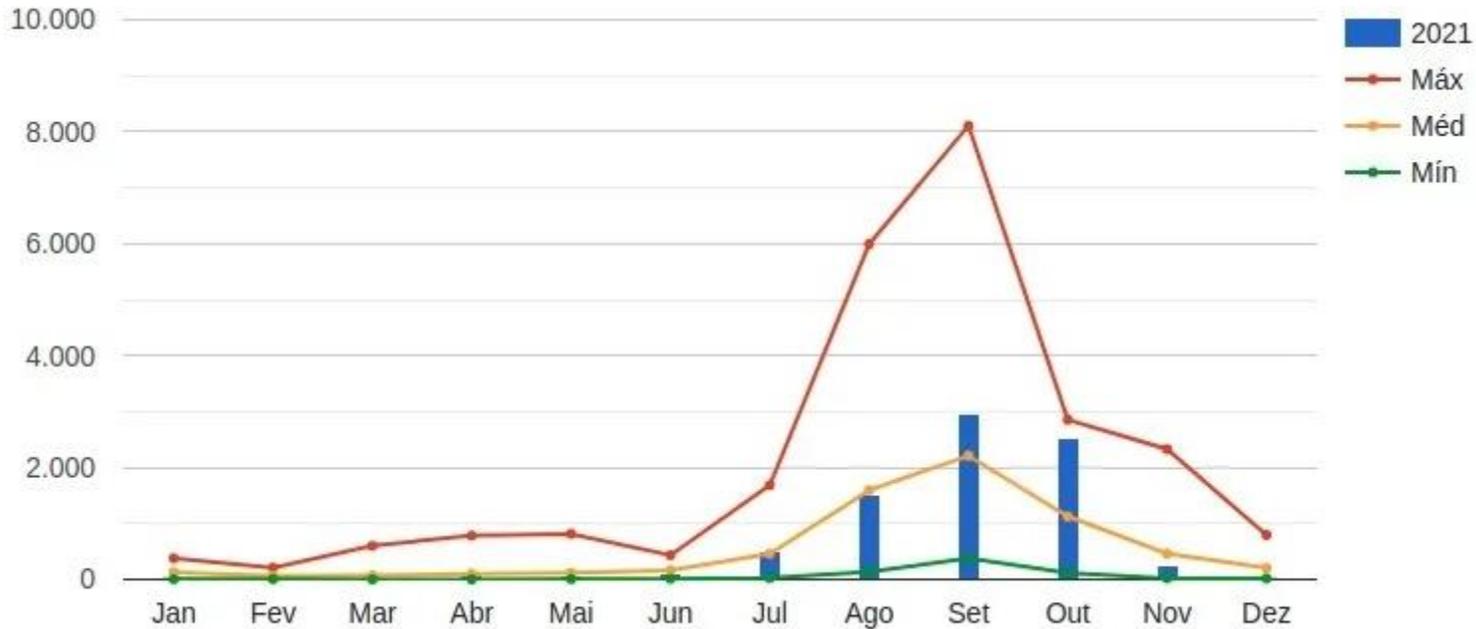


Fire Intensity



First semester - Low intensity –
“Early fires”

Fire Intensity



First semester - Low intensity –
“Early fires”

Second semester – High intensity –
“Late fires”

Flora - Phenology

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Journal of Environmental Management

journal homepage: www.elsevier.com/locate/jenvman



Research article

Flowering and fruiting show phenological complementarity in both trees and non-trees in mosaic-burnt floodable savanna

Bruno Henrique dos Santos Ferreira ^{a,d,*}, Maxwell da Rosa Oliveira ^b,
Rafaela Aparecida Mariano Fernandes ^a, Vivian Ayumi Fujizawa Nacagava ^a,
Bruno Arrua Arguelho ^a, Danilo Bandini Ribeiro ^a, Arnildo Pott ^c,
Geraldo Alves Damasceno Junior ^c, Letícia Couto Garcia ^d

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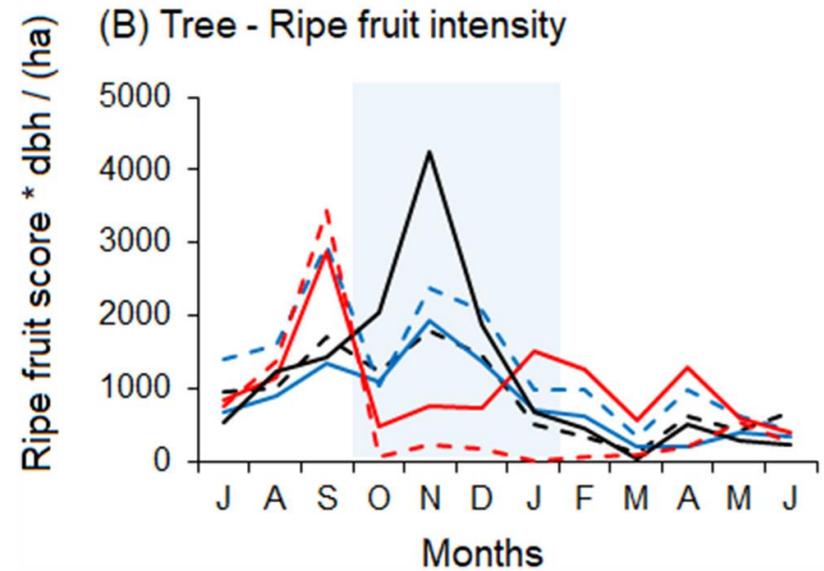
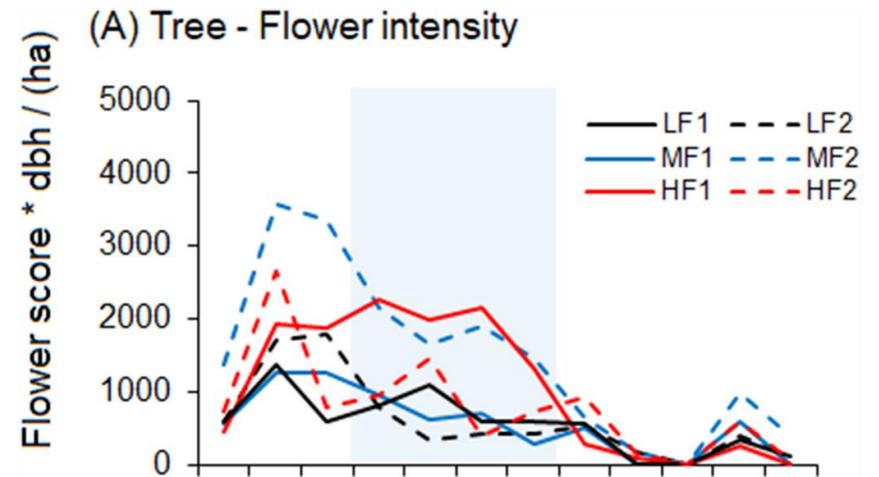
^b Programa de Pós-graduação em Biologia Vegetal, Universidade Federal de Minas Gerais, Brazil

^c Laboratório de Ecologia Vegetal, Instituto de Biociências, Fundação Universidade Federal de Mato Grosso do Sul, Brazil

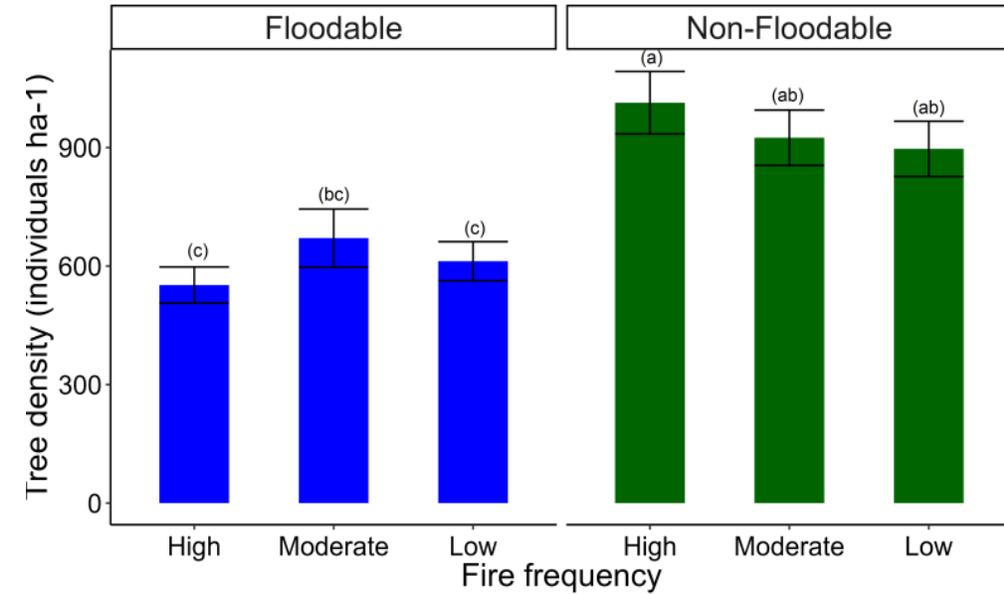
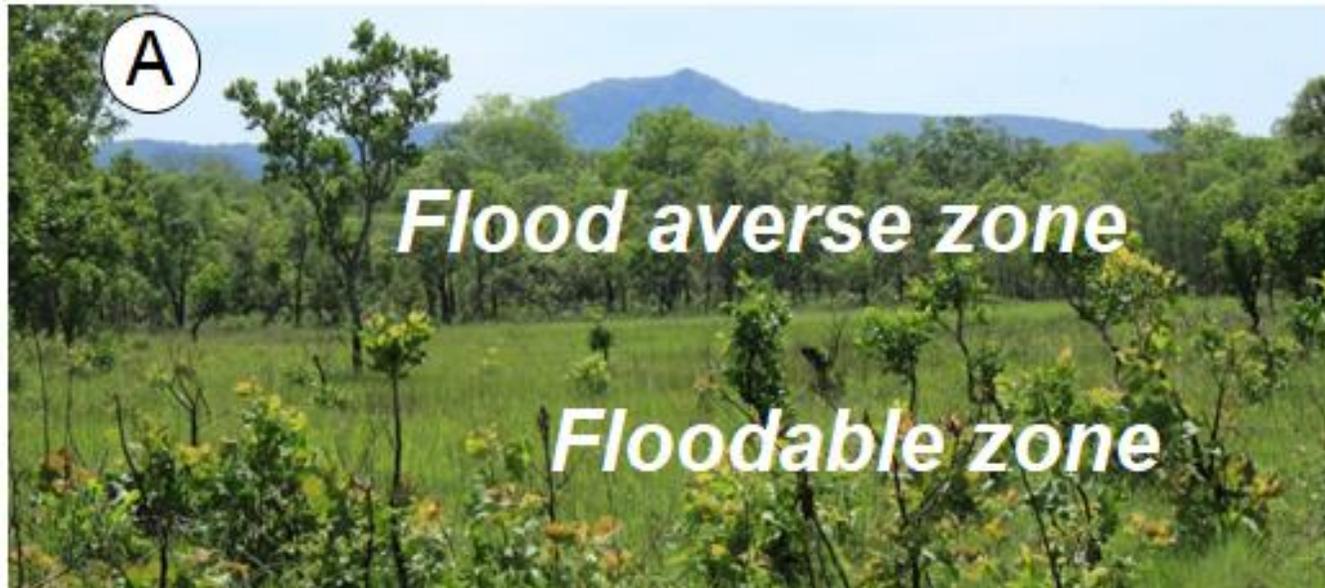
^d Laboratório Ecologia da Intervenção, Instituto de Biociências, Fundação Universidade Federal de Mato Grosso do Sul, Brazil



Flora - Phenology

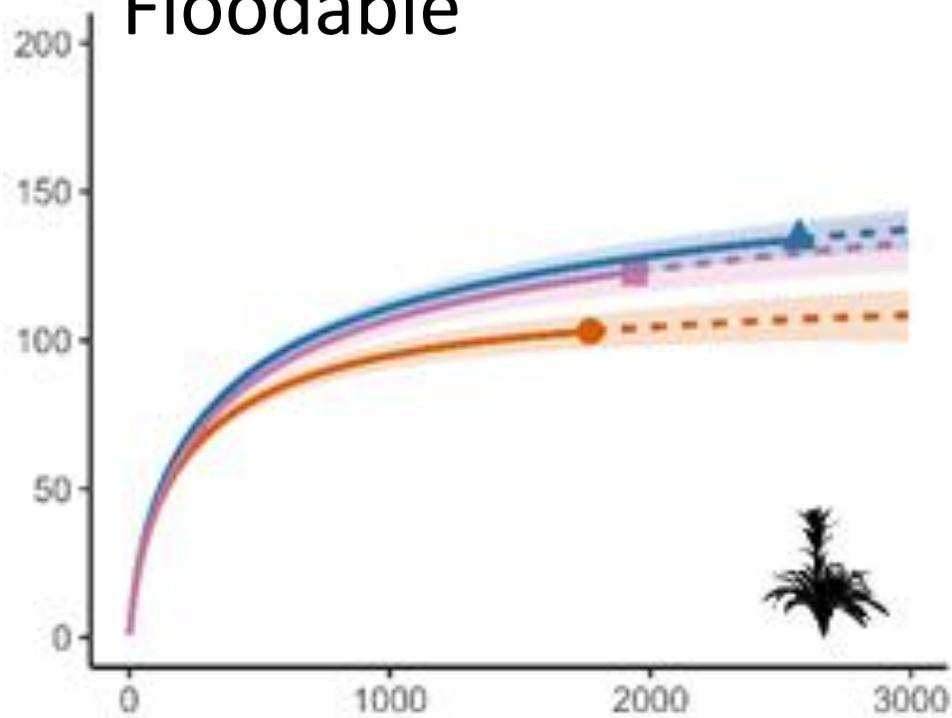


Flora Occurrence

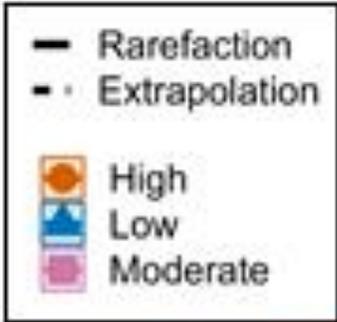
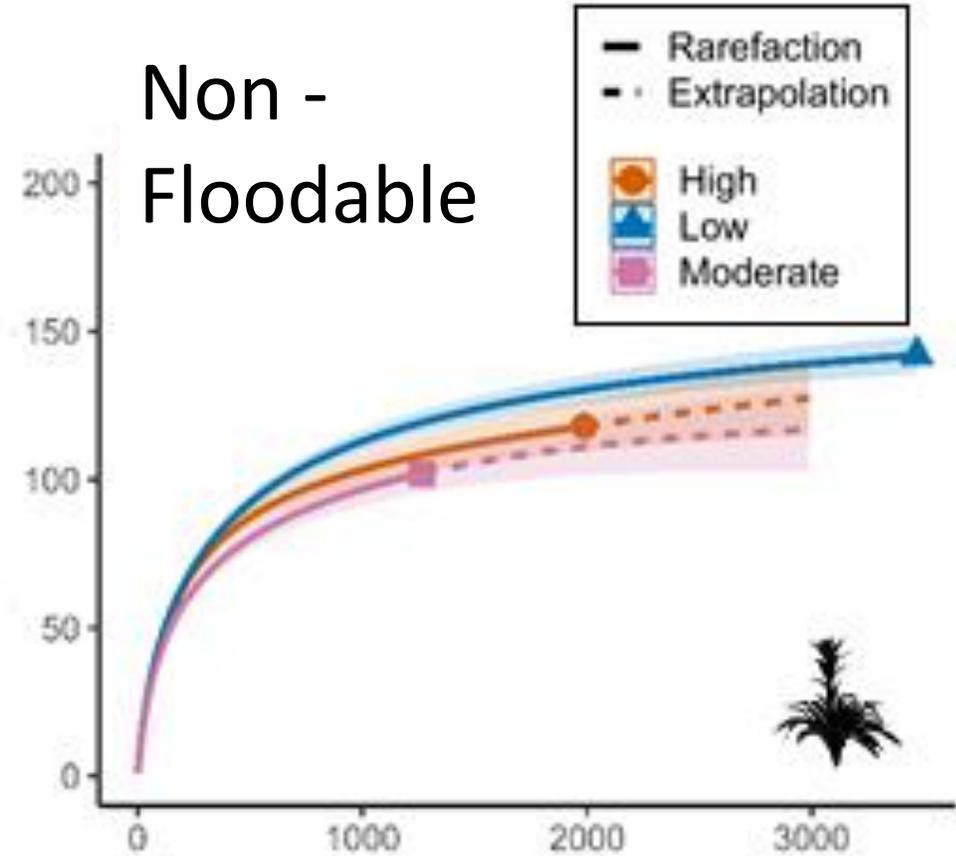


Flora Occurrence

Floodable



Non - Floodable



Number of individuals

Fauna



Fauna – Sun spiders



Technical Note

Fire Has a Positive Effect on the Abundance of Sun Spiders (Arachnida: Solifugae) in the Cerrado-Pantanal Ecotone

Bruno Arguelho Arrua ^{1,*}, Leonardo Sousa Carvalho ², Thiago Silva Teles ^{1,3}, Maxwell da Rosa Oliveira ⁴
and Danilo Bandini Ribeiro ^{1,5}

¹ Programa de Pós-graduação em Ecologia e Conservação, Instituto de Biociências, Fundação Universidade Federal de Mato Grosso do Sul, Cidade Universitária s/n, Campo Grande 79070-900, MS, Brazil

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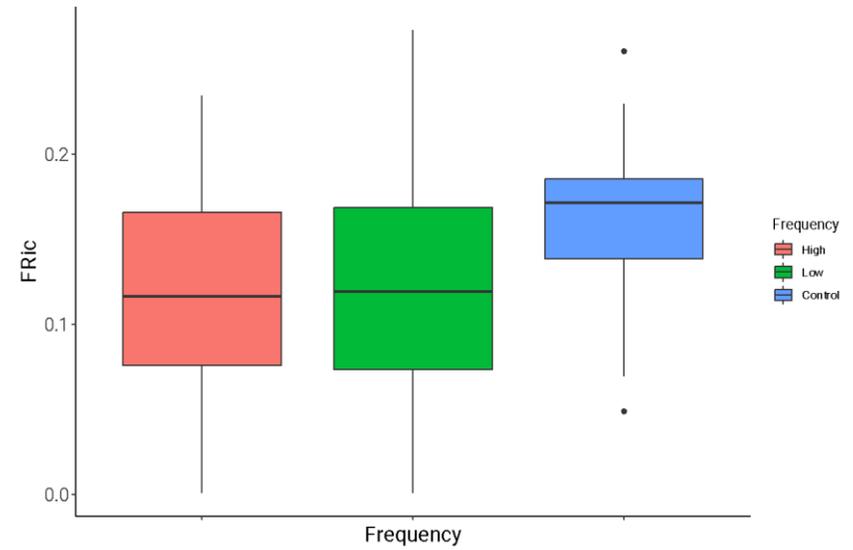
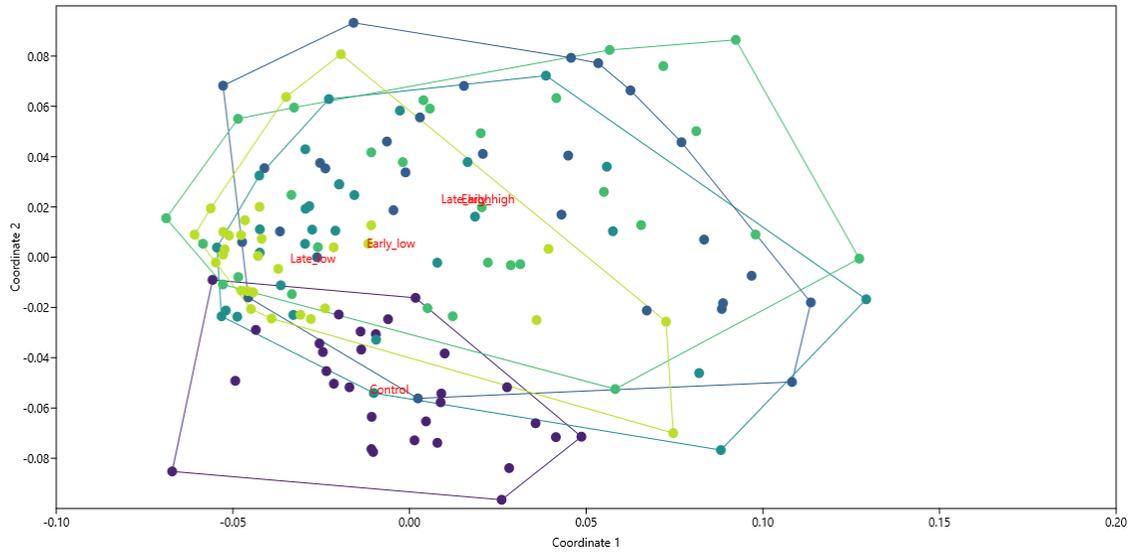
⁵ Instituto de Biociências, Universidade Federal de Mato Grosso do Sul, P.O. Box 549, Campo Grande 79070-900, MS, Brazil

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Fauna – Birds



Fauna – Birds



- Thank you!
- biodbr@gmail.com
- <https://noleedi.blogspot.com/>

Realização:



Parceiros:



GOVERNO
DO ESTADO
Mato Grosso do Sul



Terra Indígena Kadiwéu

Apoio:





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