

Fire Occurrence on the Pantanal Biome in Brazil Between 1998-2020

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CONTEXT

This paper presents a statistical perspective of fire occurrence on the Brazilian Pantanal biome. The objective is to analyze the fire occurrence that happened in 2020 in the context of the pandemic COVID-19. The method focus on compare the fire occurrence, in a monthly resolution (1998-2020). The results indicate that fire occurrence in 2020, with 21,722 fires, had been the historical record registered and had increased 55% over the in the same period in 2019.

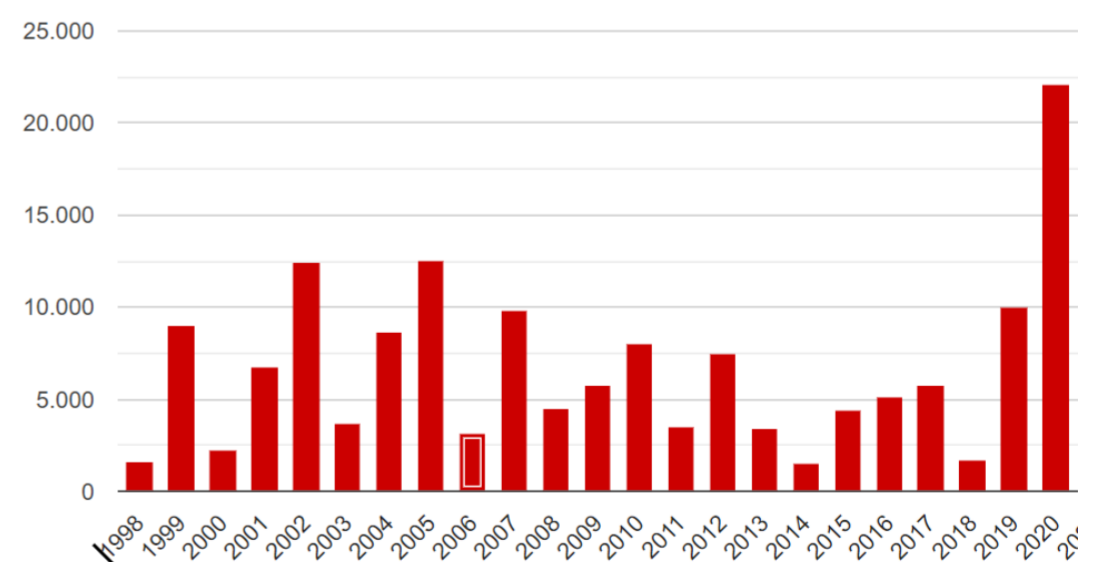


RESULTS

The fire occurrence involves socioeconomic aspects and has a great influence of climate. On the one hand, it may have its origin in natural aspects, facilitated by the increase in temperature. However, most cases result from some type of human activity.

The reason that are related this record cases of fire in the Pantanal region are the recent drought, characteristic of landscape, areas of difficult access, strong winds, environmental education aspects and political delay for firefighting. The aspects with the reducing number of inspection operations and smaller combat teams in the field may be related to the pandemic. Understand the COVID-19 as a factor that favour the occurrence of fires demonstrate the importance of policies for managing the multiple dimensions of risk.

HISTORICAL FIRE OCCURENCE ON PANTANAL BETWEEN 1998-2020 (INPE)



Source: Prepared by the author base on on data from INPE

