

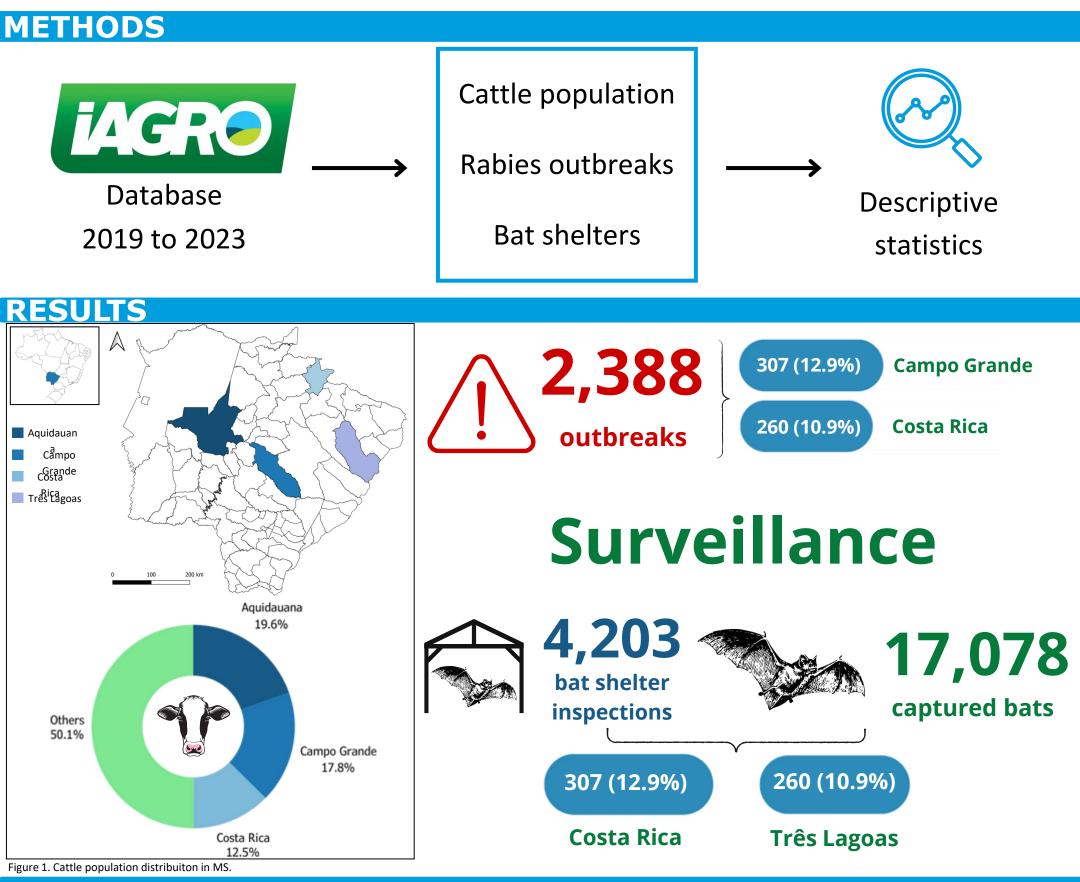
Surveillance of Hematophagous Bats and Rabies Control in the State of Mato Grosso do Sul, Brazil

Authors: Letícia da Silva Ferreira Ribeiro Mathias¹, Isaias Simoel Gimenez Miotti¹, Vinicius Oliveira Batista¹, Fábio Shiroma Araújo², Juliana Arena Galhardo¹, Leila Sabrina Ullmann¹

Thanks: Coordenação de Aperfeiçoamento de Pessoal de Nível Superior, Brasil (Finance Code 001)

INTRODUCTION

Rabies is an endemic anthropozoonosis in Mato Grosso do Sul state, mainly transmitted to livestock by **Desmodus rotundus** hematophagous bats, widely spread in the state due to the favorable topography, climate, abundance of shelters and food sources. This study aimed to analyze the number of rabies outbreaks in livestock from 2019 to 2023 and correlate them with the presence of hematophagous bat shelters.



CONCLUSION

Monitoring hematophagous bat shelters constitutes an important tool for rabies surveillance in rural cycles, as the proximity of these animals to cattle favors its occurrence. Additionally, environmental degradation (e.g., fires in the Pantanal) and changes in agricultural production, such as the establishment of pulp factories and the consequent replacement of cattle farming with eucalyptus plantations, lead to the displacement of bat colonies in search of food, favoring the emergence of rabies in livestock in other parts of the state.

References:xxxxxx

leticia.mathias@ufms.br