

Nat. Hazards Earth Syst. Sci. Discuss., referee comment RC1  
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## **Comment on nhess-2022-72**

Anonymous Referee #1

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Referee comment on "Model Comparisons for Predicting Grassland Fire Occurrence Probability in Inner Mongolia Autonomous Region, China" by Chang Chang et al., Nat. Hazards Earth Syst. Sci. Discuss., <https://doi.org/10.5194/nhess-2022-72-RC1>, 2022

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This manuscript focused on grassland fire occurrence probability in Inner Mongolia Autonomous of China. Previous research mainly focused on fire occurrence probability in forest ecosystem in China, the fire occurrence probability research in China was very limited., so this manuscript will give some implications for grassland fire management in China. The results showed that geographically weighted logistic regression model and random forest model could well predict fire occurrence in this area. The scientific data, results and conclusions presented in a clear, concise, and well-structured, the only concern of this manuscript is the language need to polish by a native speaker. After carefully consideration, I think this manuscript could be published after minor revision.