

Review of: "Connection Between Climate Change and Wildfires"

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Potential competing interests: No potential competing interests to declare.

1. Change the term "mini review" used in the paper to "review".
2. The paper is brief, and it deals with the timely issue of climate change and wildfires (or forest fires). The most interesting insight of the paper is that it recognizes that large-scale vegetation burning may affect the climate. This probably would be related to the change in reflectivity of the land once it is subjected to burning and to the release of CO₂ by burning vegetation. This is a topic that could be elaborated further in the paper, for instance, to provide estimates of global annual CO₂ emissions by forest fires.
3. Another worthy insight in the paper is to recognize that human activity is now a leading cause of vegetation burning, sometimes by accidental action and in others by intentional action. Also, the paper should address the never-ending factor of population growth, which means that more people and economic activity are moved to forested areas.
4. The paper is repetitive. For instance, sections 4 and 7 repeat options for wildfire management (e.g., prescribed burning; land use management, etc.).
5. There is minimal reference in the paper to wildfire research outside the United States. Regions in Australia, South America, Europe, and Russia have experienced large forest fires.
6. The paper states that climate change creates warmer and drier conditions that exacerbate forest fires. In arid and semiarid regions, this might be the case, but a warmer lower atmosphere can hold more water vapor, which makes conditions more humid, not drier. Also, climate change does not reduce precipitation everywhere; some regions may receive more precipitation, while others less. In my opinion, the paper should address geographical variability insofar as forest fires are concerned. Perhaps a well-drawn map showing wildfire intensity might help.
7. Section 5. It is stated that: "In fact, it has been estimated that humans manage up to 90% of wildfires in the United States alone". This phrase is unclear. Do you mean: "In fact, it has been estimated that humans cause up to 90% of wildfires in the United States"? English editing is recommended to improve the paper.