Dear Dr. Thiago Orsi Laranjeiras

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Associate Editor - *Oecologia Australis*

We are submitting the revised version of the manuscript now entitled “**Amazon peatlands in peril: A warning for global warming**”.

We appreciate the comments and suggestions made by both reviewers and the editor; each one was carefully checked and considered in the new edition, certainly improving the quality of the manuscript. We are grateful for these.

In addition to the reviewers' suggestions, we made minor changes to the text to improve comprehension. We hope to meet the suggestions and we are at your disposal for any other improvements that may be necessary.

Comments list:

Reviewer: 1

**L22-29**: I understand, but it is important to present data, references, which support these statements.

Answer: We inserted the requested references. Andrade, 2019 (L23) and Abessa et al. 2019 (L27-28).

**L38-39**: Caused or related to deforestation?

Answer: We have corrected the sentence, now: L35-36 “For many scientists, there is no doubt that Brazil’s fires are related to deforestation for agriculture and pasture for cattle (Barlow *et al*. 2019, Escobar 2019).

**L54-55**: This is a newspaper report, you can search for a scientific source? INPE, INMET, NASA?

Answer: Ok, the reference was inserted, thanks. L52

**L56-61**: References?

Answer: References was inserted. Fearnside 2008 and Baker & Spracklen 2019. L58

**L62-65**: concentrated only in the Peruvian Amazon. We have peatlands and peat fire in east amazon, Amapá State, for example, in Lago Piratuba Biological Reserve.

Answer: Ok, we insert more details, we are grateful. L63-65 and L83-99.

**L74**: most recent peat fire occurred in Indonesia, which in addition to being related to deforestation and farming, are related to soil drainage, I believe there are newer references. References for Latin America and Brazil?

Answer: We added updated information on the 2015 fire events in Indonesia, and references to peatland areas for South America. L78-79 and L83-99.

**L80-81**: The majority fires in the Brazilian Amazon occur in the arc of deforestation. It is important to say in which parts of this region there are large areas of peatland and the risk of fire occurring in these places.

Importantly locates where are the great concentrations of peatands in Brazil.

I believe is important address that not all wildfires are related to deforestation, in the case of the peat fires of Lago Piratuba in Amapá, this is related to litigation with fishermen, hunters and buffalo farmers.

Answer: we inserted the suggestions. Thanks. L83-99.

**L84**: How is CBD related to your argument in this article?

Answer: We add information “and promote biodiversity conservation” in L102.

**Linhas 86-87**: which country is the leader now? Why?

Answer: The text was modified. We emphasize the importance of strength cooperative initiatives for the conservation of the Amazon. L106-110

**Linha 93**: what are the actions and practical results?

Answer: The main goals of this project are related to forest management (deforestation, land occupation, changes in land use and sustainable forest management), seeking to strengthen the common dialogue among Member Countries, as well as the development of information related to the monitoring of forest cover carried out by the National Observation Rooms installed in the countries in 2012 (OTCA, 2012). Information added in L113-118

Revisor 2:

“The present opinion article provide important information that should be warning as proposed by the author. However, more than warning for global warming, even though it's a good call for the importance of conservationist actions, It is important to give more emphasis on the economic value of maintaining the ecosystems. In recent report, the International Institute for Sustainability show that include additional protections areas would lead to an average of $250 billion in increased economic output annually and an average of $350 billion in improved ecosystem services annually compared with the status quo. Others interesting and recent information also can be take into account and I attached here some of these.”

Answer: Thanks for the excellent observation. We insert about the economic importance of ecosystem conservation, L58-61. We have also added the relevant references, thank you.