

Interactive comment on “Postglacial fire history and interactions with vegetation and climate in southwestern Yunnan Province of China based on charcoal and pollen records” by Xiayun Xiao et al.

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General comments This manuscript reports an interesting investigation of fire history combining not only charcoal but also various palynological parameters (including diversity). The results are robust and show clearly data that are different from global syntheses. This highlights the need to work also at a regional scale and understand the intricacies of climate change and vegetation types at a regional level.

My main scientific comment is why not use concentrations in addition (or even instead) of percentages for the pollen taxa (page 10, lines 18 and foll.). It could be more informative. Page 11, Lines 19-21: is not it the reverse? when there are fires only fire-adapted taxa survive?

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Technical comments Page 3, lines 8-10: add a call to reference Page 3, Line 12: I suppose you mean the Westerlies Page 4, line 10 (and elsewhere): is not Page 12, line 11: lack of inflammability, or uninflammability. Is this what you mean? Page 12, line 24: replace “correlations” by “comparisons” or “parallel”. Avoid “correlation” that suggests statistics were applied. Page 16, line 5: add italics to Latin names Figure 3: use the same major and minor ticks for a and b

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