

***Interactive comment on “Global fire emissions and the contribution of deforestation, savanna, forest, agricultural, and peat fires (1997–2009)” by G. R. van der Werf et al.***

**Anonymous Referee #3**

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1. Abstract:

line 18: I would add "Globally" the the sentence currently begins with "Emission" as "Globally, emission during 2000-2007..." and modify the sentence in line 21 as "Regionally, emissions during 2002-2007 were highly variable..."

Also in abstract, I don't understand why the 2002-2007 period was singled out, even though the paper deals with 1997-2009 period.

2. Introduction: This section should be significantly shortened to briefly summarize previous studies (instead of reviewing) and highlight the new approaches/improvements in this study. And, most importantly, it should point out that this is the GFED version 3,

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and mention what improvements it has over GFED version 2. This can provide readers with a context of this work.

3. Tracer emissions: The emission factors from Andreae and Merlet (2001) with some recent updates were used to scale the carbon emission to the tracer emissions (other than CO<sub>2</sub>). However these emission factors do not vary with soil moisture, RH, and other environmental conditions. The uncertainties associated with tracer emissions should at least be discussed.

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