

Interactive comment on “Global carbon budget 2014” by C. Le Quéré et al.

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In our original response to F. Achard we stated:

“The LUC emissions of the 2000s are consistent also with emissions based on land-cover change estimates from spatially-explicit satellite data (Achard et al., 2014; Harris et al., 2012). However, whereas the decrease in emissions from LUC between the 1990s and 2000s is also present in the DGVMs (Fig. 6), it was not found in the study of tropical deforestation of Achard et al. (2014) where the fluxes in the 1990s were similar to those of the 2000s and outside our uncertainty range.”

Investigating further we see that in the first sentence we are comparing gross emissions from Achard et al., 2014 and Harris et al., 2012 to the net emissions in Houghton and the dynamic green vegetation models this is incorrect as we are not comparing the

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same number. We have removed this sentence from the manuscript. It is still fair to say that in the 1990s and 2000s trends are similar and so the second sentence in the text above remains. References: Achard F. et al. Determination of tropical deforestation rates and related carbon losses from 1990 to 2010. *Global Change Biology* 20, 2540-2554, 2014. Harris N. et al. Baseline map of carbon emissions from deforestation in tropical regions. *Science*, 336, 1573-1576, 2012.

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