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Interactive comment on "Carbon stocks and soil sequestration rates of riverine mangroves and freshwater wetlands" *by* M. F. Adame et al.

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Thank you for your comment regarding Figure 2.

The format of Figure 2 was intended to facilitate the visualisation of the above and belowground carbon stocks. As the belowground stocks are usually one or two orders of magnitude greater than the aboveground stocks, this format allows relative comparisons among groups. This formatting has been used in many publications of C stocks in coastal wetlands (e.g. Donato et al. 2012, Adame et al. 2013, Kauffman et al. 2014).

I agree that C stocks in mangroves and other wetlands are highly variable, but I don't think they are chaotic. In fact, wetland types, such as forest structure, species composition and/or elevation have distinctive and consistently similar C stocks (see Adame et

al. 2013, Kauffman et al. 2014).

FInally, each data point in Figure 2 is the mean value for 6 plots within each site. Thus, I am confident that the quality and representability of the data is high and accurately represents each sampling location.

Adame et al. Carbon stocks of tropical coastal wetlands within the karstic landscape of the Mexican Caribbean. PlosOne Donato et al. 2012. Mangroves amongs the most carbon rich forests in the tropics. Nature Geoscience Kauffman et al. 2011 Ecosystem carbon stocks of Micronesian mangroves. Wetlands Kauffman et al. 2014. Carbon stocks of intact mangroves and carbon emissions arising from their conversion.Ecological Applications

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Interactive comment on Biogeosciences Discuss., 12, 1015, 2015.