

Interactive comment on “Impacts of rice varieties and management on yield-scaled greenhouse gas emissions from rice fields in China: a meta-analysis” by H. Zheng et al.

Anonymous Referee #1

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The study did not provide enough information to understand whether different rice varieties were evaluated side-by-side in the same season to exclude environmental influences, such as soil properties and temperature. Furthermore, wetland rice fields are generally considered as CO₂ sinks. Rice varieties and management are able to influence the rates of carbon sequestration and loss, and further the net GWP. However, there is no information provided with this regard. The authors suggested that rice variety selection can be done by simply evaluating the yield-scaled CH₄ and N₂O production, which is not convincing and could be wrong.

Interactive comment on Biogeosciences Discuss., 10, 19045, 2013.

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