

## *Interactive comment on* "Factors influencing CO<sub>2</sub> and CH<sub>4</sub> emissions from coastal wetlands in the Liaohe Delta, Northeast China" *by* L. Olsson et al.

## Anonymous Referee #2

Received and published: 6 May 2015

The paper is very good showing first time that deep-rooting aerenchymatous plants (Phragmites) can increase CH4 emission even in saline conditions. In that condition, it would be interesting to add some expectations what would be the impact of reed harvesting which will stop the plant-mediated transport at least for some periods. Probably, the impact is not large because in Liaohe, only the dried-up reed for paper production (not green shoots) is harvested. What about using the green biomass of reed as a bioenergy source? Anyway, some discussion about possible mitigation of CH4 emission (beside the water table management and saline water flooding which are already mentioned) is recommended.

Interactive comment on Biogeosciences Discuss., 12, 3469, 2015.

C1889