

Interactive comment on “Accretion, retreat and transgression of coastal wetlands experiencing sea-level rise” by Angelo Breda et al.

Anonymous Referee #2

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General comments: This is an interesting manuscript that investigates how accretion and migration affect wetland response to SLR by using a numerical tool that includes hydrodynamic and sediment transport mechanisms as well as vegetation and landscape dynamics. The paper is very well written and provides important insights regarding wetland evolution under climate change conditions.

Specific comments: [95-105] The description of experiments is not clear. This part would be clearer if you included the reference to Fig.1c in line [103] when starting the description of experiment 2. Even so, the best thing would be to include a figure with the conditions of each experiment. [126-218] The model framework description can be improved by including a figure/flowchart/diagram/etc. showing the interaction between models. [Discussion] Your experiments use a sinusoidal wave of constant amplitude,

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however the real tide often presents a neap spring tide cycle. How would your results be different if you included that variability?

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