

Dear authors,

I want to acknowledge that the quantitative investigation of how benthos drives morphological changes in tidal-dominated systems is a valuable contribution to the community. I especially highlight the approach of multiple functional groups individually and collectively influencing morphological changes.

Minor comments:

- L125-130: What species was attributed to the stabilizer functional group? It might be obvious, but there is no mention of the species attributed to the seagrass functional group either.

- The sinusoidal behavior of the seasonality shown in Table 3 is unclear. Is the lowest seasonal value no biomass (complete die-off)? or certain minimal critical biomass remains?

- There is no discussion on how seagrass can alter the composition of the sediment by organic sediment accumulation beyond the hydrodynamic behavior.

- L550: I suggest the authors include a brief description of the conceptual model introduced in Figure 10. I recommend making the arrow nomenclature consistent. For instance, deposition/erosion is not clearly identified in the sketch. The subfigures also lack alphabetic labeling.