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Comment

Interactive comment on “Data driven components in a model of inner shelf sorted bedforms: a new hybrid model” by E. B. Goldstein et al.

E. Goldstein

ebg9@duke.edu

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I thank Dr. Lazarus for taking the time to read/review our manuscript and his supportive comment.

I agree with Dr. Lazarus that there are more Earth surface systems where data driven approaches can potentially be used. However finding the right setting (and sufficient data in that setting) remains an ongoing aspect of our work. Environments that host interactions between physical processes and biological processes (both human and nonhuman) offer a promising direction. In general, any sufficiently large dataset can be used as input for a data driven model, or hybrid model. This highlights the role of environmental monitoring in the construction of large, multifaceted datasets (e.g., Lovett et al., 2007; Lindenmayer and Likens, 2009; Cloern and Jassby, 2013).

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Again I thank Dr. Lazarus for his time and for his comments. -Evan B Goldstein (please note this comment originates solely from EB Goldstein)

References

Cloern, J. E., and A. D. Jassby (2012), Drivers of change in estuarine-coastal ecosystems: Discoveries from four decades of study in San Francisco Bay, *Rev. Geophys.*, 50, RG4001, doi:10.1029/2012RG000397.

Lindenmayer, D. B., & Likens, G. E. (2009). Adaptive monitoring: A new paradigm for long-term research and monitoring. *Trends in Ecology & Evolution*, 24, 482–486.

Lovett GM, Burns DA, Driscoll CT, et al. 2007. Who needs environmental monitoring? *Front Ecol Environ* 5: 253–60.

Interactive comment on *Earth Surf. Dynam. Discuss.*, 1, 531, 2013.

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