

Responses to referee comments

egusphere-2025-2180

BORIS-2 – a benthic ecosystem model based on allometry

Martin et al.

Dear Prof Kim

Many thanks for your positive appraisal. We would also like to thank both referees for their positive responses to our revised manuscript. We appreciate the willingness of Referee 2 to identify themselves and have modified the manuscript to acknowledge our thanks to both referees (lines 760-761). Below we give our response to the remaining issue highlighted by Referee 2.

Best regards,

Adrian Martin

Referee 2

Regarding the sensitivity analyses (Fig 5): I was struck at the overall consistency in response across the different sites, with the exception of the activation energy E. Was this something the authors expected? Perhaps it's just because the plot shows the fractional change in the set of metrics? It is also interesting that changes in g_0 were not symmetrical around zero.

Re-reading our description of the sensitivity analysis (lines 381-399 in revised m/s) we agree that it is not as clear as it could be on these points, and we thank the referee for pointing this out. This section (lines 381-412 in new version) has been revised accordingly.