

Solid Earth Discuss., author comment AC3  
<https://doi.org/10.5194/se-2021-77-AC3>, 2021  
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## Reply on RC3

Zbyszek Remin et al.

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Author comment on "Deep vs shallow – two contrasting theories? A tectonically activated Late Cretaceous deltaic system in the axial part of the Danish-Polish Trough; a case study from SE Poland" by Zbyszek Remin et al., Solid Earth Discuss.,  
<https://doi.org/10.5194/se-2021-77-AC3>, 2021

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I like the paper very much, because a new inversion structure was discovered - with really good arguments.

**Thank you.**

Is would suggest, to separate the interpretation of facies from the provenance chapter. This is too much and not necessary; additionally not well-supported by data.

***This is done to make the paper more reader-friendly. We even considered skipping some provenance data as suggested by the Reviewer – indeed they start a completely new story and are not so necessary for the general output and the present manuscript.***

Please add some general notes to the basin which starts to my knowledge not with the Campanian...

***It is done – such informations are provided in the final version. Similar comments were provided by Anonymous Referee so these comments are conspecific and necessary information is already added.***

figures are nice; the last figure should be polished, because the distribution of land and sea is not in a modern way.

**It is done.**

The english is good from my (German) side, I found only few mistakes, but the paper will be checked finally by an english expert.

***In any way the manuscript was corrected by the native speaker – Jordan Todes (University of Chicago).***

Interpretation of the depositional environment is to much focused on a delta. I would suggest to take also a normal shelf environment into consideration.

***We accept this suggestion and in the discussion part we provided additional data and other opportunities – not only delta but also the comparison is made to some near-shore or shelf-type deposits.***

***We have also addressed all additional, more precise suggestions provided in the annotated pdf.***