



EGUsphere, author comment AC3
<https://doi.org/10.5194/egusphere-2022-581-AC3>, 2022
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Reply on RC2

Conor M. O'Sullivan et al.

Author comment on "Tectonostratigraphic evolution of the Slyne Basin" by Conor M. O'Sullivan et al., EGU Sphere, <https://doi.org/10.5194/egusphere-2022-581-AC3>, 2022

Re: Manuscript Revision

Dear Editor,

My co-authors and I thank you for securing two excellent reviewers for our manuscript. We are very appreciative of the feedback our manuscript has received from both. We have found this feedback both positive and constructive and feel it has greatly refined our original submission. Please see below a summary of the changes we have made to the manuscript, alongside an attached table outlining the specific responses to reviewer comments in detail.

In general, we have:

- Improved detail, clarity and information on all figures.
- Revised the text to remove typos and make arguments more focused.
- Refined the terminology when referring to particular tectonic events to avoid confusion.
- Added more quantification regarding post-rift salt-related fault movement.
- Added more detail, both in-text and in figures, to describe the basement structure in the study area.

With these revisions in mind, we hope this manuscript has suitably addressed the shortcomings of our previous submission and satisfies the reviewers' comments. The co-authors and I are still confident this manuscript will be an important contribution to the understanding of salt tectonics and salt distribution on the European Atlantic margin. We look forward to hearing from you and please do not hesitate to contact me if you require any additional material or clarification.

Yours sincerely,

Dr. Conor O'Sullivan (on behalf of the co-authors)

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Please also note the supplement to this comment:

<https://egusphere.copernicus.org/preprints/2022/egusphere-2022-581/egusphere-2022-581-AC3-supplement.pdf>