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Our manuscript entitled “The impact of seismic interpretation methods on the analysis of faults: A case study from the Snøhvit Field, Barents Sea” has now undergone the public review and we were delighted to receive such constructive and informative reviews by experts in the field of fault analysis.

All of the suggested changes and improvements to the manuscript and figures have been implemented with the exception of two.

- In the methods it was suggested that all references to the time taken for each seismic interpretation should be moved to results. Since we feel this very small aspect of the interpretation would disrupt the flow of the paper, we have left it in the methods section.
- There was a comment suggesting there should not be too much “own-citation” in the introduction. Since we only reference papers from our group that are relevant to the topic, we have opted to leave them in. Also, new key references from other groups make this section more balanced. The papers we are referring to are:
  - Cunningham, J., Cardozo, N., Townsend, C., Iacopini, D. and Wærum, G. O.: Fault deformation, seismic amplitude and unsupervised fault facies analysis: Snøhvit Field, Barents Sea, *J. Struct. Geol.*, 118, 165–180, doi:10.1016/j.jsg.2018.10.010, 2019.
  - Cunningham, J., Cardozo, N., Weibull, W. W. and Iacopini, D.: Investigating the seismic imaging of faults using PS data from the Snøhvit field, Barents Sea and forward seismic modelling (in review at *Petroleum Geoscience*)

The updated manuscript and figures have now been submitted to *Solid Earth*. We look forward to hearing from you in due course

Yours sincerely,

**Jennifer Cunningham, Nestor Cardozo, Chris Townsend and Richard Callow**