

## ***Interactive comment on “Hydrocarbon accumulation in basins with multiple phases of extension and inversion: examples from the Western Desert (Egypt) and the Western Black Sea” by William Bosworth and Gábor Tari***

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Dear Editor/Authors

This is a well written paper by Bosworth and Tari features the inversion history of the Western Desert of Egypt and the NW part of the Black Sea. The authors line up several examples to highlight the impact of inversion on the petroleum system and the exploration pitfalls that may occur due to poor understanding of the timing and magnitude of the tectonic events and associated sedimentary facies. Then, the similarities - and

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differences - in structural style between the two studies are used to draw conclusions at global scale, useful to anyone interested exploring in inverted extensional systems. I recommend publishing the paper with minor modifications as outlined below. Best regards Csaba

Lines 50-55. Can you please specify the size of the discovered fields? Line 222 and others. Change reference Krezsek et al (2018) to Krezsek et al (2017) throughout the paper Line 255. The exact position of the break-up unconformity at basin scale is still debated being younger on the Romanian margin. Any comments to this? Line 330. Are there any clear geochemical evidences for the Lower Cretaceous SR? Alternatively, could the deeper, Tauric series be the origin of the gas/condensate?

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