

## ***Interactive comment on “Active tectonic field for CO<sub>2</sub> Storage management: Hontomín onshore study-case (SPAIN)” by Raúl Pérez-López et al.***

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Sorry for the first post... the mathematical calculations were automatically changed by the letter font

here you are a clear text:

We have used the expression  $M_0(\text{max}) \text{ (Nm)} = G \times V$  (McGarr 2014, eq. 13) Where G for the upper limit is  $3 \times 10^{10} \text{ Pa}$  and V is  $5.56 \times 10^3 \text{ m}^3$  for the total injected volume (room conditions). The result is  $1.65 \times 10^{14} \text{ Nm}$  (Joules), which corresponds to  $M_{\text{max}} = 6.025$  of the maximum Richter magnitude by applying the equation  $\text{Log } E = 11.8 + 1.5 \times M$ ; where Log is the logarithm to the base 10, E is the seismic released energy in Joules, and M the Richter magnitude.

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Interactive comment on Solid Earth Discuss., <https://doi.org/10.5194/se-2019-196>, 2020.

C2