

Interactive comment on “Seismicity during and after stimulation of a 6.1 km deep Enhanced Geothermal System in Helsinki, Finland” by Maria Leonhardt et al.

Anonymous Referee #2

Received and published: 16 November 2020

Seismicity associated with the stimulation of an Enhanced Geothermal System in Finland is presented. A variety of analytical tools are used to extract as much information as possible. While I do not have expert knowledge of the tools, they seem to have been competently used and deliver plausible results

While I am not personally involved in EGS studies, I found the paper interesting because it relates to work that my group is doing with regard to seismicity induced by mining and the flooding of worked-out mines, as well as shale gas development.

I failed to meet the review deadline, for which I apologise. I downloaded a copy of the manuscript when I accepted the invitation, but found that I was unable to access the

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supplementary material when I reviewed the paper on 14 November. I hope that the supplements are of the same high standard, but I have not checked this.

Generally the paper is well-written. There are some minor grammatical errors that I have indicated on the attached annotated version of the manuscript. The referencing style is also inconsistent - some paper titles are in Sentence case, others in Title Case.

There are also a few instances where I found the discussion difficult to follow or figures difficult to interpret. I have highlighted these and offered suggestions for improvement.

Please also note the supplement to this comment:

<https://se.copernicus.org/preprints/se-2020-139/se-2020-139-RC2-supplement.pdf>

Interactive comment on Solid Earth Discuss., <https://doi.org/10.5194/se-2020-139>, 2020.

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