

Interactive comment on “Hydrogeological responses to the 2016 Gyeongju earthquakes, Korea” by Jaeyeon Kim et al.

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Dear Editor and Reviewers,

Please find attached file in this response report. This file is the revised manuscript to reflect the reviewer's main/minor comments. We would like to thank the reviewers for their considerable comments which were useful to improve our paper. We carefully responded to all the questions and comments. As the reviewer 1 pointed out, we considered the time scale and the number of significant digits more accurately and rigorously. In addition, as the two reviewers commented, we have reorganized the paper (Results and Discussion sections), and some figures were redrawn and one figure (Supplementary figure 1) was added in new manuscript. Especially, we have re-

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vised the Discussion sections with more focus on the hydrogeochemical analysis. The novelty of this paper is to combine the hydrologic, hydrogeochemical, and lithostratigraphic characteristics by applying the neural network method 'SOM'. We are confident that provided changes are sufficient for reconsidering our manuscript. Please see the revised manuscript carefully. Please contact me if you have any further comments, or if anything is missing from the revised manuscript.

Best regards,

Please also note the supplement to this comment:

<https://www.hydrol-earth-syst-sci-discuss.net/hess-2018-360/hess-2018-360-AC3-supplement.pdf>

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., <https://doi.org/10.5194/hess-2018-360>, 2018.

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