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Natural Hazards and Earth System Sciences
Discussions

Interactive comment on "Man-made earthquakes prevention through monitoring and discharging their causative stress-deformed states" *by* Oleg Kuznetsov et al.

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Review of the article "Man-made earthquakes prevention through monitoring and discharging their causative stress-deformed states" by Oleg Kuznetso and others. The manuscript shows a four-step approach to prevent or reduce the chance of occurrence of man-made earthquakes throughout the identification of highly anomalous zones of microseismic emission MSE due to the release of stress accumulated in the seismic dislocation zones. The four-step approach is to 1) locating the highly anomalous zones of microseismic emission (MSE), 2) Monitoring the variations and dynamics of the anomalous MSE zones over a period of one lunar month, 3) inducing a creep-

discharging of the MSE zones using a vibroseis seismic source at the ground surface, and 4) monitoring the same MSE zones following the creep-discharge to determine whether the stress-deformed state was released and the chance of potential earthquake occurrence has been eliminated or reduced. I found that the article is interesting and can be considered for publication on your journal after minor revision. My only request is that, in the discussion section the authors should analyze and discuss more deeply the high amount of results presented in previous sections. One of the most important point that should be analyzed and discussed is a synthetic scenario to validate the approach.

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