

***Interactive comment on “Revegetation in abandoned quarries with landfill stabilized waste and gravels: water dynamics and plant growth – a case study” by Cheng-liang Zhang et al.***

**Cheng-liang Zhang et al.**

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We are grateful for the recommendation.

The studies "Limitations to plant establishment on eroded slopes in southeastern Spain", "The influence of geomorphological position and vegetation cover on the erosional and hydrological processes on a Mediterranean hillslope", and "The influence of aspect and vegetation on seasonal changes in erosion under rainfall simulation on a clay soil in Spain" are relevant and insightful, we will consider them when revising the manuscript.

C1

The study of seed population is very interesting, but our experiment was conducted near farmland, and thus the study plots were invaded by many agricultural weeds. We cannot support or oppose the relationship between seed bank and successful revegetation in the abandon quarries, the site condition of which may be similar to that of badlands.

The study of vegetation recovery after fire is a long-period study and valuable . But a burnt forest is very different from an abandoned quarry or coarse gravels amended with nutritive fine particles.

Kind regards.

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Interactive comment on Solid Earth Discuss., <https://doi.org/10.5194/se-2017-72>, 2017.

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