

Interactive comment on “Microbial community changes induced by Managed Aquifer Recharge activities: Linking hydrogeological and biological processes” by Carme Barba et al.

Anonymous Referee #2

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This paper studies an important problem of microbial community change under conditions of Managed Aquifer Recharges (MAR). Choosing a MAR facility located in NE Spain, the authors took water and soil samples during recharge and no recharge periods to compare the microbial community conditions. The authors reached a conclusion that the MAR is a naturally, passive, and efficient technique for biodegradation of pollutants in groundwater. I believe this work provides useful insights to improve our understanding of MAR in biochemical ways. I still have some comments:

1. Does the types of water change with wet/dry scenarios (eg., Type 1water)? This seems possible.

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2. I believe the results of microbial communities in groundwater (Results section 3.1) should also be discussed in the Discussion section. Some of the results are lack of deep interpretation or further discussions.

3. Can results and conclusions of this research be extended to other areas?

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