

## ***Interactive comment on “Convergent modeling of past soil organic carbon stocks but divergent projections” by Z. Luo et al.***

**Anonymous Referee #2**

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This is an interesting paper illuminating the difficulties in making model projections even when past can be described accurately. Specific comments 1. Is there any reference, where the APSIM model is described in detail, see also comments below? 2. It is not clear from the manuscript if a constant CUE, independent of pools is assumed. 3. One parameter, rdhum, representing transfer to an inert pool, is used. This parameter must be better explained. Is it a ratio a fraction of other transfers? 4. Is the inert pool a constant 35% of SOC or will its size depend on the rate of transfers to this pool?

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