

## ***Interactive comment on “Redox controls on methane formation, migration and fate in shallow aquifers” by P. Humez et al.***

**P. Humez et al.**

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Dear reviewer:

Thank you for your positive feedback and your constructive comments. We have addressed your specific suggestions in the revised manuscript as follows:

- We have changed the units in Figures 6, 7 and 9 to mmol/L as suggested;
- The ordinate label for Figure 12 has been refined by using mmol/L as a unit for sulfate concentration and by changing the number increments on the x-axis of both graphs ( $\Delta x = 1$  mmol/L for the sulfate concentration axis and  $\Delta x = 2$  ‰ for  $\delta^{13}\text{CDIC}$  axis).
- Table 2 has been changed to show significant digits consistent with the stated measurement uncertainty of the respective parameters;

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We have also made additional minor changes in other figures to ensure consistency with respect to units as used throughout the text.

We hope that these changes address your concerns in a satisfactory manner.

With best regards on behalf of all co-authors,

Dr. Pauline Humez

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