

## ***Interactive comment on “Application of a laser-based spectrometer for continuous insitu measurements of stable isotopes of soil CO<sub>2</sub> in calcareous and acidic soils” by Jobin Joseph et al.***

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While the introduction section discussing soil CO<sub>2</sub> measurement techniques does include some discussion of chamber and tower sampling, it should also include references that made use of soil gas wells to sample CO<sub>2</sub> for d13C and d18O values, as that is more similar to the work the paper describes. I suggest you include these references, both of which are relevant to arid and semi-arid soils, as that is the focus of the manuscript under discussion:

Breecker, D., & Sharp, Z. D. (2008). A field and laboratory method for monitoring the concentration and isotopic composition of soil CO<sub>2</sub>. Rapid Communications in Mass

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Spectrometry, 22(4), 449-454.

Oerter, E. J., & Amundson, R. (2016). Climate controls on spatial and temporal variations in the formation of pedogenic carbonate in the western Great Basin of North America. *GSA Bulletin*, 128(7-8), 1095-1104.

Interactive comment on SOIL Discuss., <https://doi.org/10.5194/soil-2018-9>, 2018.

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