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Interactive comment on "Chemical characterization of Punta de Fuencaliente CO_2 seeps system (La Palma Island, NE Atlantic Ocean): a new natural laboratory for ocean acidification studies" *by* Sara González-Delgado et al.

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The authors describe the chemistry of a "new" CO2 vent system. Due to the extreme variability at all sites and the change in alkalinity, the relevance of these sites as a laboratory for future ocean acidification seems limited. Most of the locations seems to have already been described in previous publications. Perhaps the only new location is the lagoon site but its use as a natural analogue for past and future oceans is question-

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able due to the addition of brackish and groundwater. The other locations were already reported, following the nomenclature in Figure 1:

* site H is reported in Hernández, C. A., C. Sangil, and J. C. Hernández. 'A New CO2 Vent for the Study of Ocean Acidification in the Atlantic'. Marine Pollution Bulletin 109, no. 1 (15 August 2016): 419–26. https://doi.org/10.1016/j.marpolbul.2016.05.040.

* Site A, B are reported in Viotti, Sofía, Carlos Sangil, Celso Agustín Hernández, and José Carlos Hernández. 'Effects of Long-Term Exposure to Reduced PH Conditions on the Shell and Survival of an Intertidal Gastropod'. Marine Environmental Research 152 (1 December 2019): 104789. https://doi.org/10.1016/j.marenvres.2019.104789.

* E,F,G data are not reported in this manuscript as far as I can see.

As it is not evident what data is novel, please clearly state what part of the data is unpublished and novel data and which one is not. Also please clearly highligt what does the additional chemistry data add to the previously published studies. At the moment I have difficulties in recommending this manuscript for publication.

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