

***Interactive comment on “The SISAL database: a global resource to document oxygen and carbon isotope records from speleothems” by Kamolphet Atsawawaranunt et al.***

**Anonymous Referee #1**

Received and published: 14 May 2018

The ms present an interesting compilation of many hundreds of speleothem isotopic records worldwide. The SISAL (Speleothem Isotopes Synthesis and AnaLysis) synthesise speleothem data globally and develop a public-access database, that can be used both to explore past climate changes and in model evaluation. The database serves the needs of speleothem scientists, statisticians and climate modellers. . . The text is clear, well written. The figures and table are of good quality.

. I have just some minor comments, -L30: I would suggest that the authors briefly introduce the others proxies used to reconstruct past changes, -Table 1: I would suggest to add countries list to the table

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In summary, I suggest accepting the paper for publication with minor changes.

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Interactive comment on Earth Syst. Sci. Data Discuss., <https://doi.org/10.5194/essd-2018-17>, 2018.

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