

Interactive comment on “A restructured and updated global soil respiration database (SRDB-V5)” by Jinshi Jian et al.

Anonymous Referee #1

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General comments: The authors report the update of global soil respiration database (SRDB), which has been used in soil carbon studies and has played important roles in the research field. The update is not only increased records but also some restructuring of the database. The paper clearly describes the update of the database and changes in data base structures. I recommend the publication of this paper.

Below are some minor comments.

Line 196: Table 2, 3, “Number of rows” “Number of rows” sounds very operational term. Should be replaced with “records” or something.

Line 231: “did not change the distribution of annual Rs” I agree, but how about regional averages (e.g. south America, Africa etc.)? I guess in some areas, the new records in

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SRDB-V5 substantially increased the number of observations and probably changed the annual R_s average and distribution.

Line 325: “Tang et al. n.d., Yao et al. n.d.” Please include the year for these two papers.

Line 371: “interoperability” Does your team have any plan to start “data standardization, submission/acceptance, curation, data base construction, and distribution of raw data” platform for soil respiration, like Fluxnet?

Line 379: “providing flexible R scripts in a Github repository for end users”. It is not clear that the R scripts are for what?

Fig. 1 Can you improve the appearance of this figure?

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