

**Comments to the author:**

Dear Authors Thank you very much for choosing SOIL as an outlet for your work and for working with the editor and reviewers to improve this manuscript. We apologise for the length of time taken. Unfortunately, the Topic Editor originally assigned was unable to continue handling the paper and this caused delays. I am sorry we didn't resolve this more quickly. The only issue to resolve for the manuscript is on data availability of the R script and data. Please see our data policy here [https://www.soil-journal.net/policies/data\\_policy.html](https://www.soil-journal.net/policies/data_policy.html). In summary it states that "Authors are required to provide a statement on how their underlying research data can be accessed. The best way to provide access to data is by depositing them (as well as related metadata) in FAIR-aligned reliable public data repositories, assigning digital object identifiers, and properly citing data sets as individual contributions. If the data are not publicly accessible at the time of final publication, the data statement should describe where and when they will appear and provide information on how readers can obtain the data until then."

**Answer to Executive editor**

Dear Executive editor, we appreciate your comments. Following your recommendation, we uploaded the R code that we developed for this automatic chamber system and data used to compare it against the manual chamber system to Zenodo repository. (L447-450). Moreover, in this revised version of the manuscript, the corresponding author has been changed from Samuel Franco-Luesma to Jorge Álvaro-Fuentes. This change was made because Samuel Franco-Luesma recently moved to another institution and, due to the policies of the Spanish National Research Council, can no longer serve as the corresponding author.

### **“Code and data availability**

The R code and notebooks of the automatic chamber system and the data used to compare and validate the function of the automatic chamber system can be found at <https://zenodo.org/records/15189414>. (Franco-Luesma et al., 2025).”