Thank you for the comments. Here is our response to the following comments:

Perhaps this sentence is a bit misleading, "All the code developed for this study can be found at https://doi.org/10.5281/zenodo.5557914" ? While the archive contains all the code specifically developed for the paper, I suspect that the point is that it also contains a lot of other code developed by others which is used, but not developed, in this work? Could the code that was actually developed for this manuscript be highlighted?

In response to this comment, we modified the text in the "Code and Data availability" to reflect the true content of the Zendo repository. In addition, we added a new paragraph to this section, to highlight the exact codes developed through this project.

I would usually expect all those whose code is first published in this manuscript to be included as authors on the manuscript, and their contribution described in the author contribution paragraph. In addition, I think it is appropriate to at least acknowledge the previous authors of code, by name, and outline their contribution in the manuscript, perhaps in the acknowledgments section - your ability to make progress rests directly on their earlier work.

In response to this comment, we added two new co-authors to the list of authors and described their contribution to the "Author contribution" section. In addition, a new paragraph was added to the "Acknowledgements" section that acknowledges the contribution of whole PEcAn developer community and a small group of top developers in this community.