



EGUsphere, referee comment RC2  
<https://doi.org/10.5194/egusphere-2022-604-RC2>, 2022  
© Author(s) 2022. This work is distributed under  
the Creative Commons Attribution 4.0 License.

## **Comment on egusphere-2022-604**

Anonymous Referee #2

---

Referee comment on "Review article: Potential of nature-based solutions to mitigate hydro-meteorological risks in sub-Saharan Africa" by Kirk B. Enu et al., EGU sphere, <https://doi.org/10.5194/egusphere-2022-604-RC2>, 2022

---

The manuscript represents a good contribution to the understanding of the natural hazards and their consequences, resulting interesting and quite relevant as a general overview about NBS in SSA countries.

Title and abstract are pertinent, concisely reflecting the content of the paper. The review process is valid and is discussed in a balanced way, with appropriate references, different supporting and readable figures and tables and a good level of technical language.

Methods and results are well-organized and outlined clearly.

Discussion and conclusions are presented in a well-structured way and sufficiently supported by the previous chapters. Quality and number of references are appropriate. Finally, supplementary materials are useful to better understand and clarify some issues about the content of the paper.

I have appreciated the reading of this work and I suggest the publication of the manuscript on Natural Hazards and Earth System Sciences journal after minor revision. In the following my requests:

Page 3 line 15 – here biodiversity is mentioned, but why not say something more specific about flora and fauna?

Page 3 line 23-24 – I suggest to mark the number of categories as follows: (i) green, (ii) blue, (iii) hybrid....

Page 4 line 7 – Go a bit deeper on Ecosystem Services (ES) theme.

Page 4 line 23-24 – I suggest to integrate Evans et al. (2022) "Ecosystem service delivery by urban agriculture and green infrastructure – a systematic review" as citation.

Page 5 line 1-6 – please, check if paper answers all questions.

Page 10 line 6 – How many SSA States are there in which there is not even a studio? Are they particularly concentrated in a specific area? If yes, why?

Page 12 Figure 4 – Is part of this caption not transferable into the text?

Page 22 Figure 7 – Define ESS acronym.

Page 23 Line 9 – What about some regulatory services on water cycle?

Page 27 Line 12 – please deepen the part about Global North, also included in the conclusions.

Supplementary Table 4 – typo, it should be "open spaces" instead of "opens paces" to define parks as NBS practice.

I also suggest a whole review of the paper to improve communication effectiveness and, for the future, to work on on research activities that can overcome the study limitations set out in sub-chapter 2.5.