Response to the Editor and Reviewers

Manuscript title: Review Article: Rainfall-Induced Landslide Early Warning System through the Lens of the Early Warnings for All Framework: Advances, Gaps, and Perspectives

Dear Editor and Reviewers,

We sincerely thank the Editor and Reviewers for their positive assessment of our revised manuscript and for their constructive comments and suggestions. We are pleased that the substantial revisions have addressed the earlier concerns and improved the manuscript. We have carefully considered the two remaining comments and made the necessary revisions, as detailed below.

Comment 1: Despite the significant expansion of the evidence base, the restriction to English-language publications is still not acknowledged as a limitation anywhere in the revised manuscript. This is particularly important for a paper claiming global scope. Substantial LEWS literature exists in other languages. The conclusion should include at least one sentence acknowledging this constraint and noting that it may affect the representativeness of the reviewed sample.

Response: Thank you for highlighting this important limitation. We agree that restricting the review to English-language publications and supplementary sources may have excluded relevant studies and operational evidence published in other languages. We have therefore explicitly acknowledged this limitation in the Conclusion (Lines 1041–1044/clean version of the manuscript), noting its potential implications for the representativeness of the reviewed sample and the global scope of the findings.

Comment 2: Table 1 is an improvement over the original radial diagrams, but it is still extremely difficult to read due to the number of columns, the use of small percentage values across many rows, and the repetitive structure. The key findings from Table 1, i.e. that National systems are overwhelmingly operational, that forecasting-focused systems are rarely operational, and that susceptibility mapping correlates descriptively with operational status, could be stated more prominently in the main text, allowing readers to grasp the main findings without having to parse every cell. Moreover, consider whether some of the less informative rows (e.g., API use, IoT) could be moved to Appendix II with only the key patterns highlighted in the text.

Response: Thank you for this helpful suggestion. To improve the readability of Table 1, we have moved the characteristics relating to API and IoT use to Appendix C1 (Line 1426/clean version of the manuscript), while retaining the key system characteristics in the main table. We have also highlighted the three principal findings more prominently in the Results and Discussion (Lines 594–596/clean version of the manuscript), indicating that national-scale LEWS were predominantly operational, forecasting-focused systems

were rarely operational, and systems incorporating susceptibility mapping showed a higher proportion of operational systems. These findings are further summarised in the Conclusion (Lines 1015–1018/clean version of the manuscript). We have already clarified that the observed associations are descriptive and should not be interpreted as causal relationships (Lines 597–604/clean version of the manuscript).

We believe these revisions improve the readability of Table 1 and make the principal findings more accessible while preserving the additional technical information in the appendix.

Additional clarification requested from the Editor:

We would also like to seek clarification regarding the manuscript title. Could you kindly confirm whether the phrase “Review Article”, currently appearing at the beginning of the title, will be retained as part of the official title in the published paper, or whether it will be treated solely as an article-type designation?

Thank you for your guidance.

We sincerely appreciate the Editor's and Reviewers' constructive feedback and consideration of our revised manuscript.

Kind Regards,

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On behalf of **Bayes Ahmed,** and **Peter Sammonds**