



Bridging Conflicts and Biodiversity Protection The Critical Role of Reliable and Comparable Data

Third Submission: RR_WLD_2025_288

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This review verifies the reproducibility of the exhibits included in the paper " *Bridging Conflicts and Biodiversity Protection The Critical Role of Reliable and Comparable Data*".

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Main findings

- **Every exhibit has been reproduced accurately.**
- The code was successfully executed on a new computer after:
 1. Open the Rproject, recover the environment and run the main script.
- The output demonstrates consistent stability across multiple runs. Specifically, executing the code two times consecutively yielded identical results.
- The code takes approximately 25 minutes to run.
- We conducted our reproducibility analysis based on the paper shared by the authors on April 4th, 2025.
- **Reproducibility Summary:**
 - **Data:** Some data is restricted and has not been included in the reproducibility package. For more details, please refer to the README file.
 - **Code:** All code files (from cleaning to analysis) are included in the reproducibility package.
 - **Outputs:** Some outputs are generated by code that is not included in the reproducibility package.
 - **Reproducibility verification:** Reviewers used data provided directly by the authors to conduct the reproducibility verification, and this is not included in the public reproducibility package. The reviewers did not verify if publicly available data matches the data provided by the authors.
 - **Dependencies environment:** The reviewers created a new environment for dependencies using the latest versions available for each dependency at the moment of the review.

List of exhibits and reproducibility status

Results in the Main Section of the Paper

- **Figure 1** Reproduced, but figure was created manually. Figure was created manually in master_data_for_wheel_diagram.
- **Figure 2** Reproduced.
- **Figure 3** Reproduced.
- **Figure 4** Reproduced.
- **Figure 5** Reproduced.
- **Figure 6** Reproduced.
- **Figure 7** Reproduced, but figure was created manually. Figure was created manually in master_fisto7.
- **Figure 8** Reproduced, but figure was created manually. Figure was created manually in master_fisto7.
- **Table 1** Reproduced.
- **Table 2** Reproduced.
- **Table 3** Reproduced.

Reproduction Environment

- Paper exhibits were reproduced in a computer with the following specifications:
 - OS: Windows 10 Enterprise
 - Processor: Intel(R) Core(TM) i5-1145G7 CPU @ 2.60GHz
 - Memory available: 15.7 GB
 - Software version: R version 4.2.1