Reproducible Research Repository

A Global Incentive Scheme to Reduce Carbon Emissions

First Submission: RR_WLD_2024_119-v01
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This review verifies the reproducibility of the exhibits included in the paper *"A Global Incentive Scheme to Reduce Carbon Emissions"*.

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Main findings

- The code was successfully executed on a new computer after:

  1. Installing tinytex

- The output demonstrates consistent stability across multiple runs. Specifically, executing the code two times consecutively yielded identical results.

- The code takes approximately 2 minutes to run.

- We conducted our reproducibility analysis based on the paper shared by the author by mail on April 2nd,2024.

- Every exhibit has been reproduced accurately.

- **Reproducibility Summary**:

  - **Data**: All data sources are publicly available and included in the package.
  - **Code**: All code files (from cleaning to analysis) are included in the package
  - **Outputs**: All outputs are generated by code included in the reproducibility package.
  - **Reproducibility verification**: Reviewers had access to the same materials in the public reproducibility package.

List of exhibits and reproducibility status

Results in the Main Section of the Paper

- **Table 1** Reproduced

- **Table 2** Reproduced

- **Table 3** Reproduced

  Results in the Annex

- **Table 1** Reproduced

- **Table A** Reproduced

- **Table B** Reproduced

- **Table C** Reproduced

- **Table D** Reproduced

Reproduction Environment

- Paper exhibits were reproduced in a computer with the following specifications:

  - OS: Windows 11 Enterprise

  - Processor: Intel(R) Core(TM) i5-1145G7 CPU @ 2.60GHz

  - Memory available: 15.7 GB

  - Software version: R version 4.3.2