

Dear Editor and Reviewer:

We sincerely thank you for your valuable comments, which have helped us improve the quality of our manuscript a lot. The original comments are shown in black, our responses are shown in red, and the corresponding revisions in the manuscript are highlighted in blue.

Response to Anonymous Referee #2

Comment 1: There are some technical errors with the equations in the manuscript.

Response to Comment 1: We have addressed two issues to enhance the rigor of the manuscript: the multiplication notation (replacing \times with \cdot) in Equations (1) and (2), and potential dimensional ambiguity in Equation (1), respectively. Corresponding clarifications have been added (line 173).

Author's changes in the manuscript:

$$C = \frac{P \cdot D}{\Delta t} \quad (1)$$

Here C represents the compound event intensity, P represents the extreme rainfall intensity, D represents the drought intensity, and Δt represents the interval time between extreme rainfall and drought events. We have rendered both P and D dimensionless for the analysis.

$$Exp_{agr} = Agr \cdot f \quad (2)$$

Where f represents the frequency of compound events, Exp_{agr} represents the agricultural exposure, and Agr represents the agricultural land area.

Comment 2: It is better to use "Intensity" rather than "Strength" in Fig.3 to make it consistent with the text.

Response to Comment 1: The detailed issues identified in the figure have been corrected (line 251).

Author's changes in the manuscript:

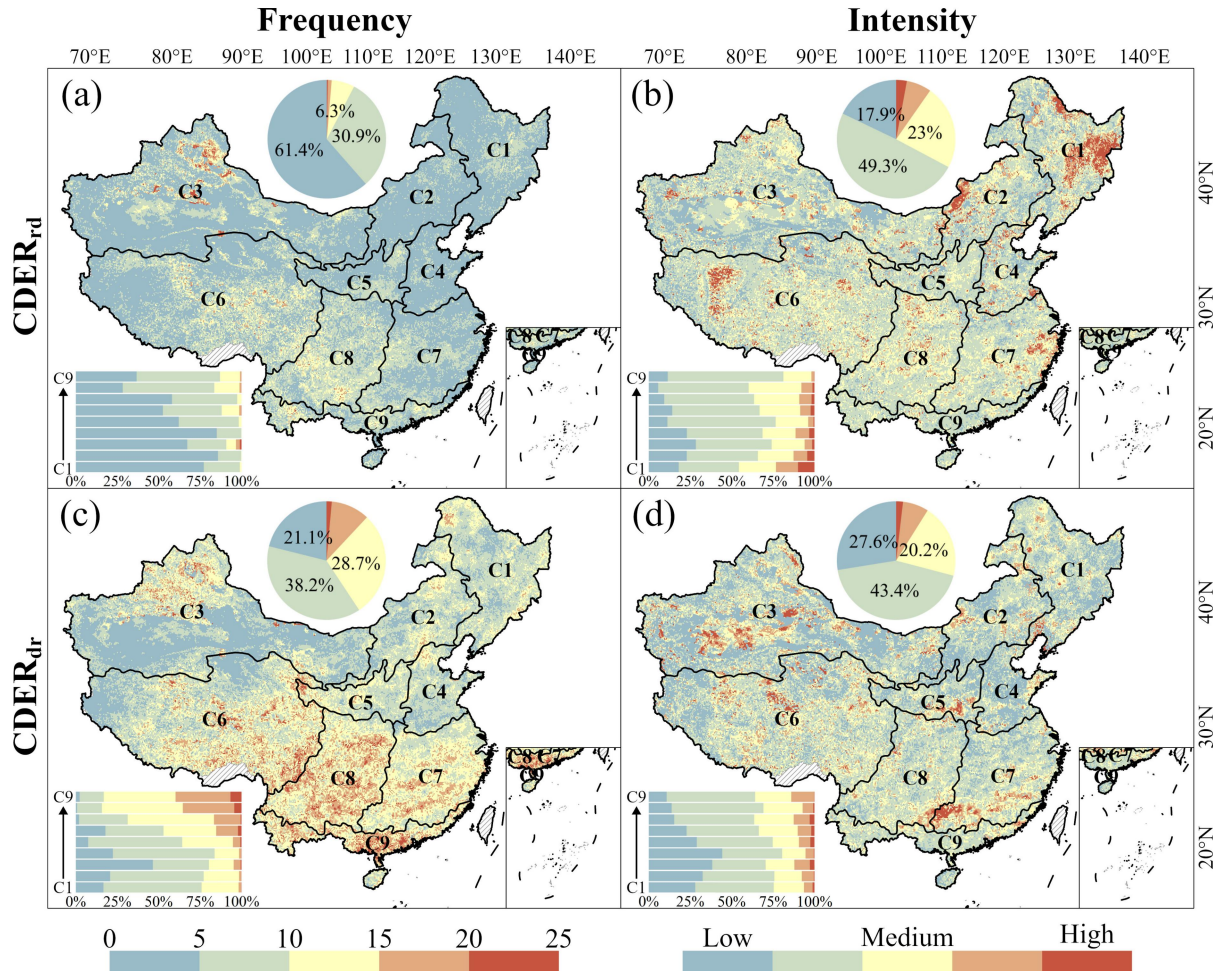


Fig.3 Spatial Distribution of Compound Drought and Extreme Rainfall Events.

(a) and (b) show the frequency and intensity of $CDER_{rd}$ respectively, while (c) and (d) depict the frequency and intensity of $CDER_{dr}$. The bar charts represent the proportion of different color values within each region, while the pie charts show the proportion of each magnitude across the entire country.