



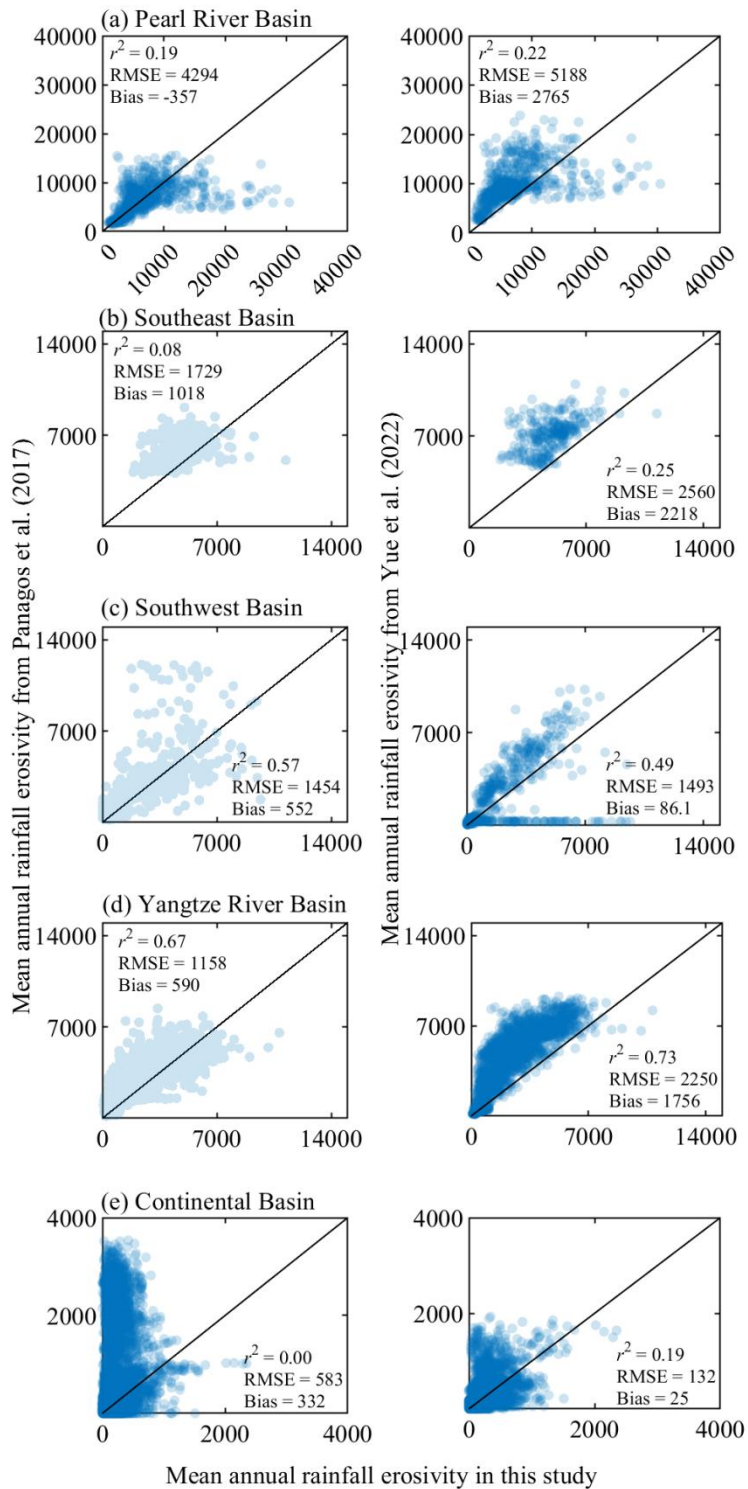
Supplement of

Gridded rainfall erosivity (2014–2022) in mainland China using 1 min precipitation data from densely distributed weather stations

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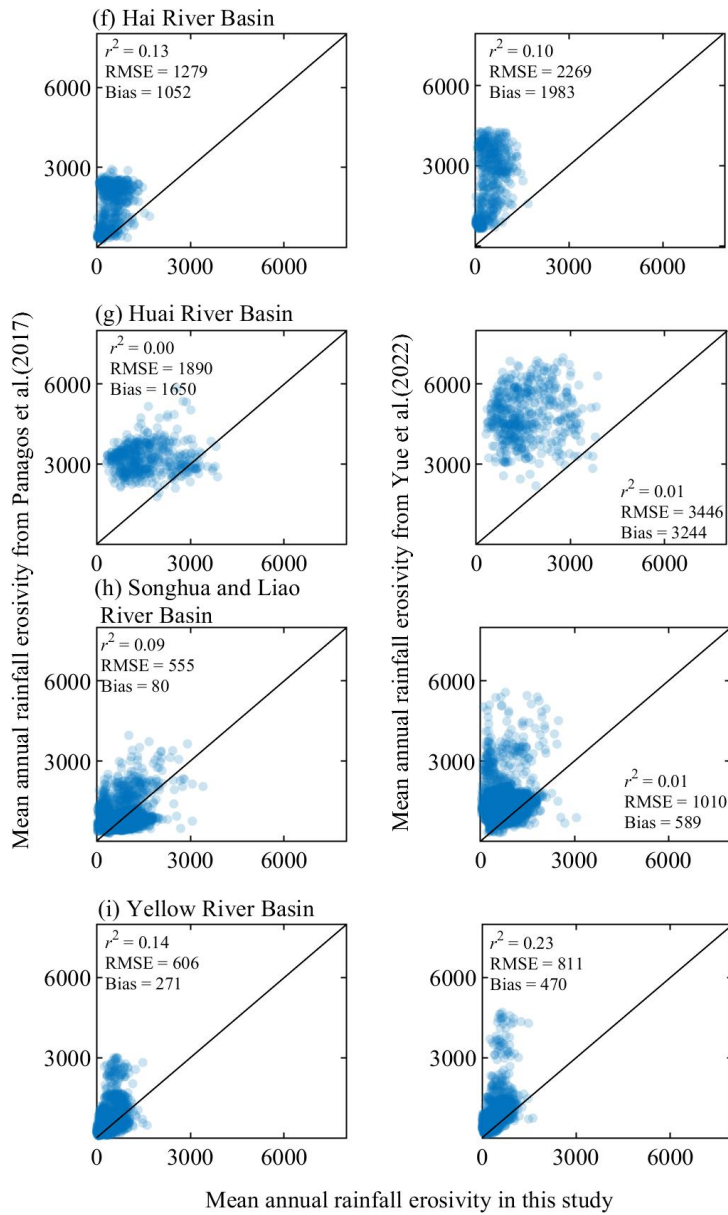


Figure S1. Comparisons between the newly developed mean annual rainfall erosivity map and existing maps (Panagos et al., 2017; Yue et al., 2022) by basin (Unit: $\text{MJ}\cdot\text{mm}\cdot\text{ha}^{-1}\cdot\text{h}^{-1}\cdot\text{yr}^{-1}$).

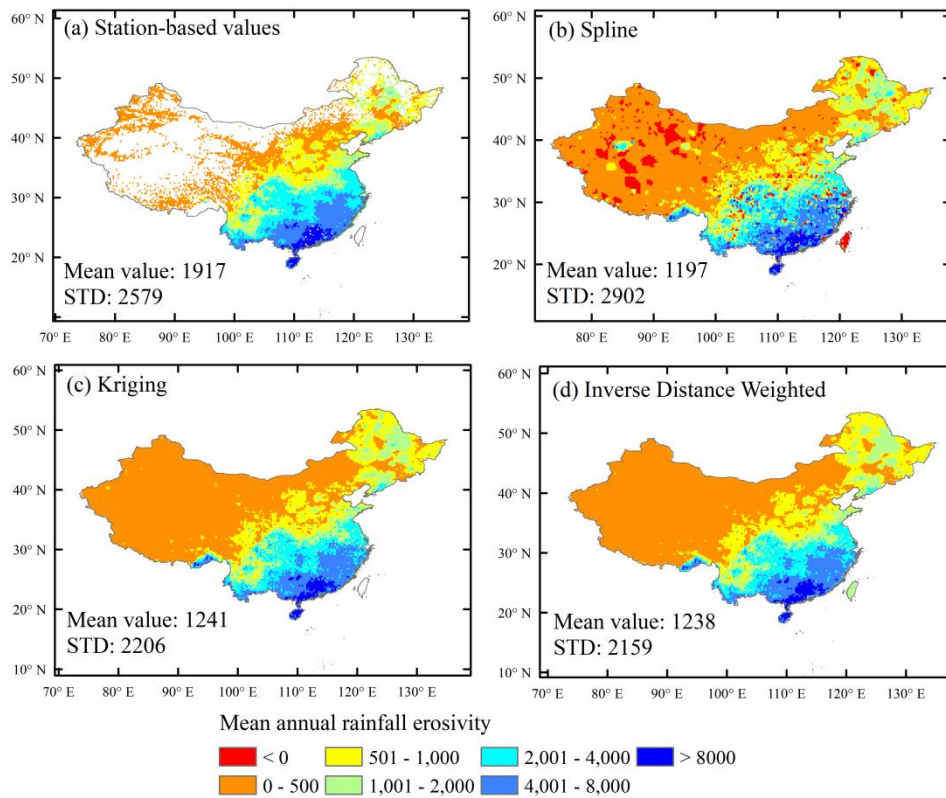


Figure S2. (a) Station-based mean annual rainfall erosivity map for mainland China; mean annual rainfall erosivity map generated using the Spline interpolation method (b), the Kriging interpolation method (c) and the Inverse Distance Weighted interpolation method (d) (Unit: $\text{MJ}\cdot\text{mm}\cdot\text{ha}^{-1}\cdot\text{h}^{-1}\cdot\text{yr}^{-1}$). STD represents the standard deviation.