

Supplement of

**Half a degree warming might cause doubled economic loss
and intensified affected population of flood in China**

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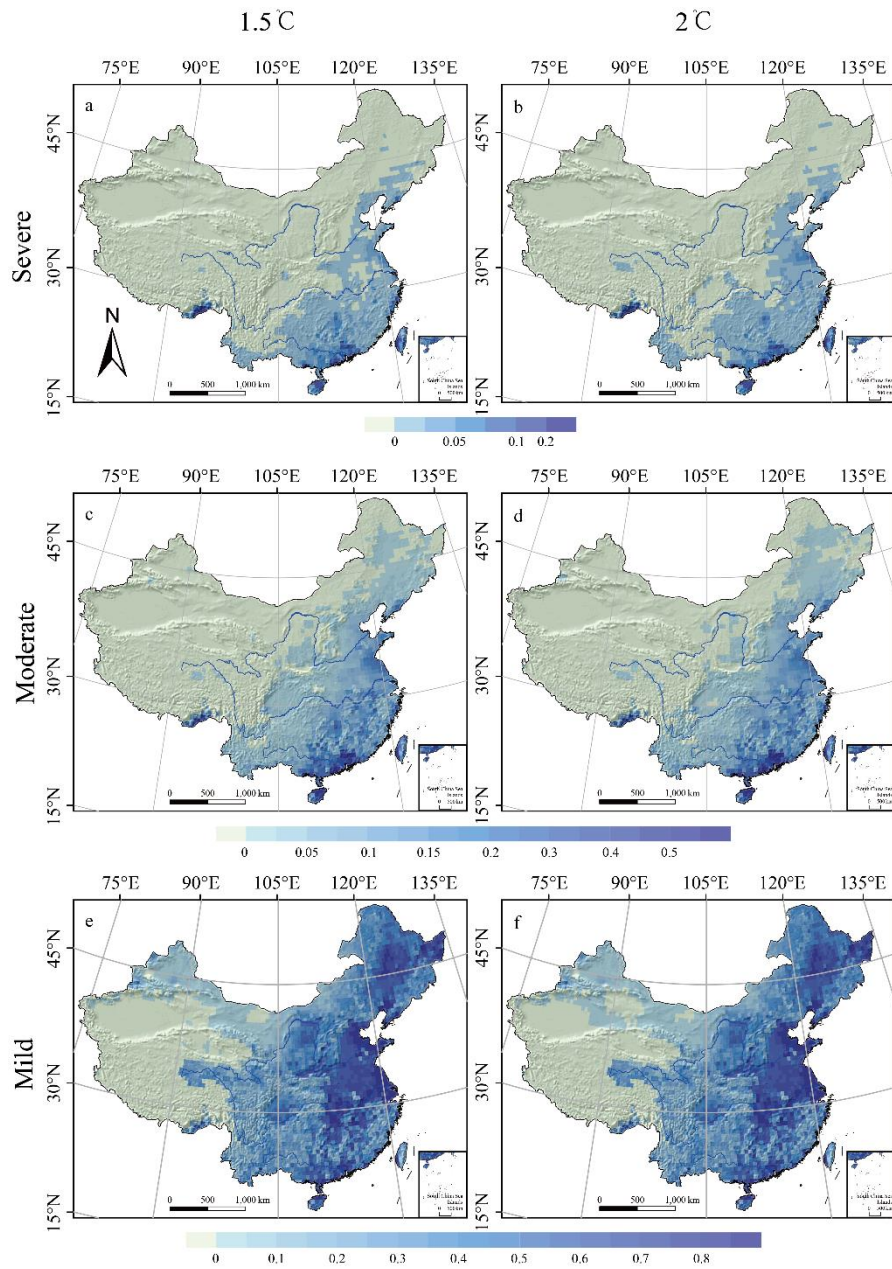


Figure S1. Spatial patterns of the hazards of floods of different levels for 1.5°C and 2°C of global warming under RCP4.5 scenario (a-b. severe floods; c-d. moderate floods; e-f. mild floods; a, c, e. 1.5°C of warming; b, d, f. 2°C of warming)

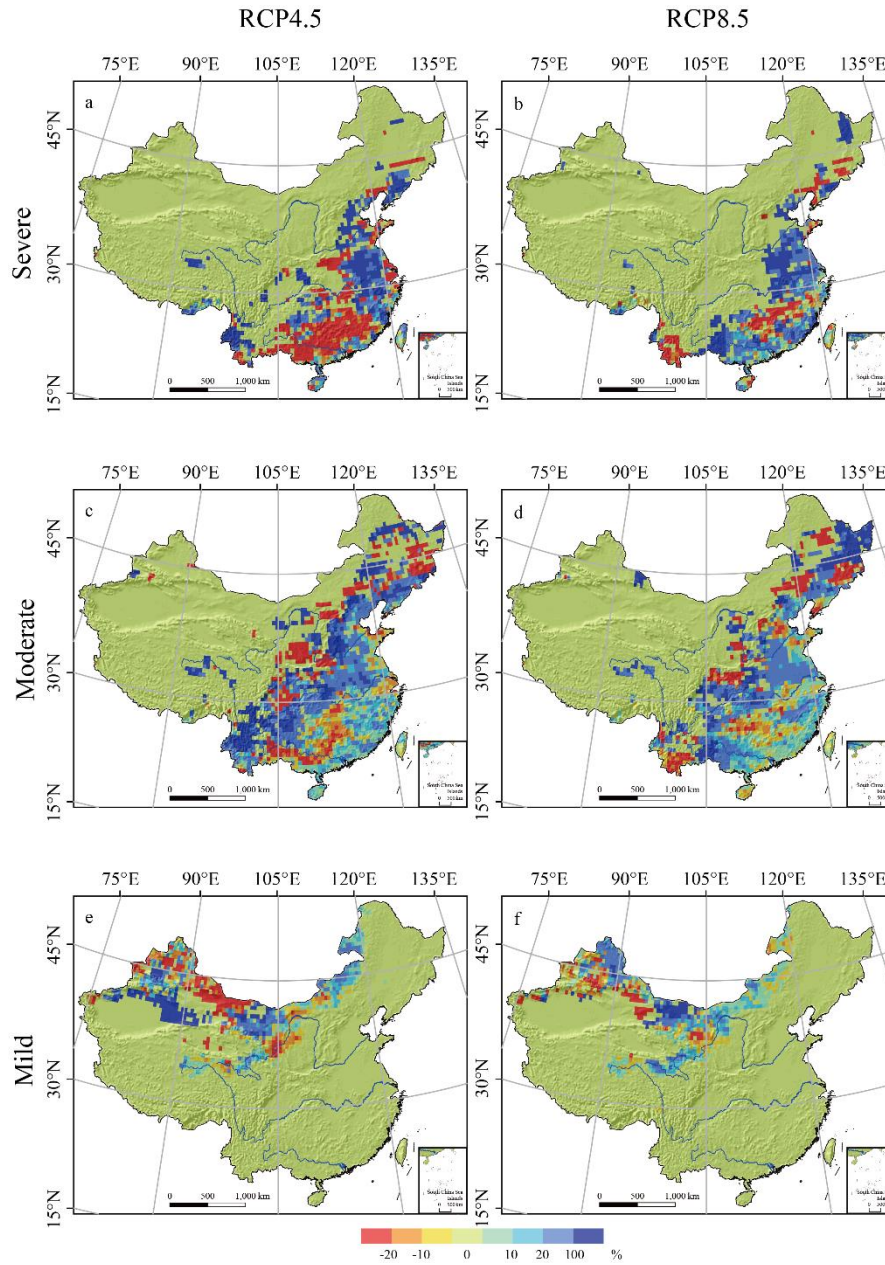


Figure S2. Spatial patterns in the variability of flood hazard indexes in China for 1.5°C and 2°C of global warming under RCP4.5 and RCP8.5 scenarios

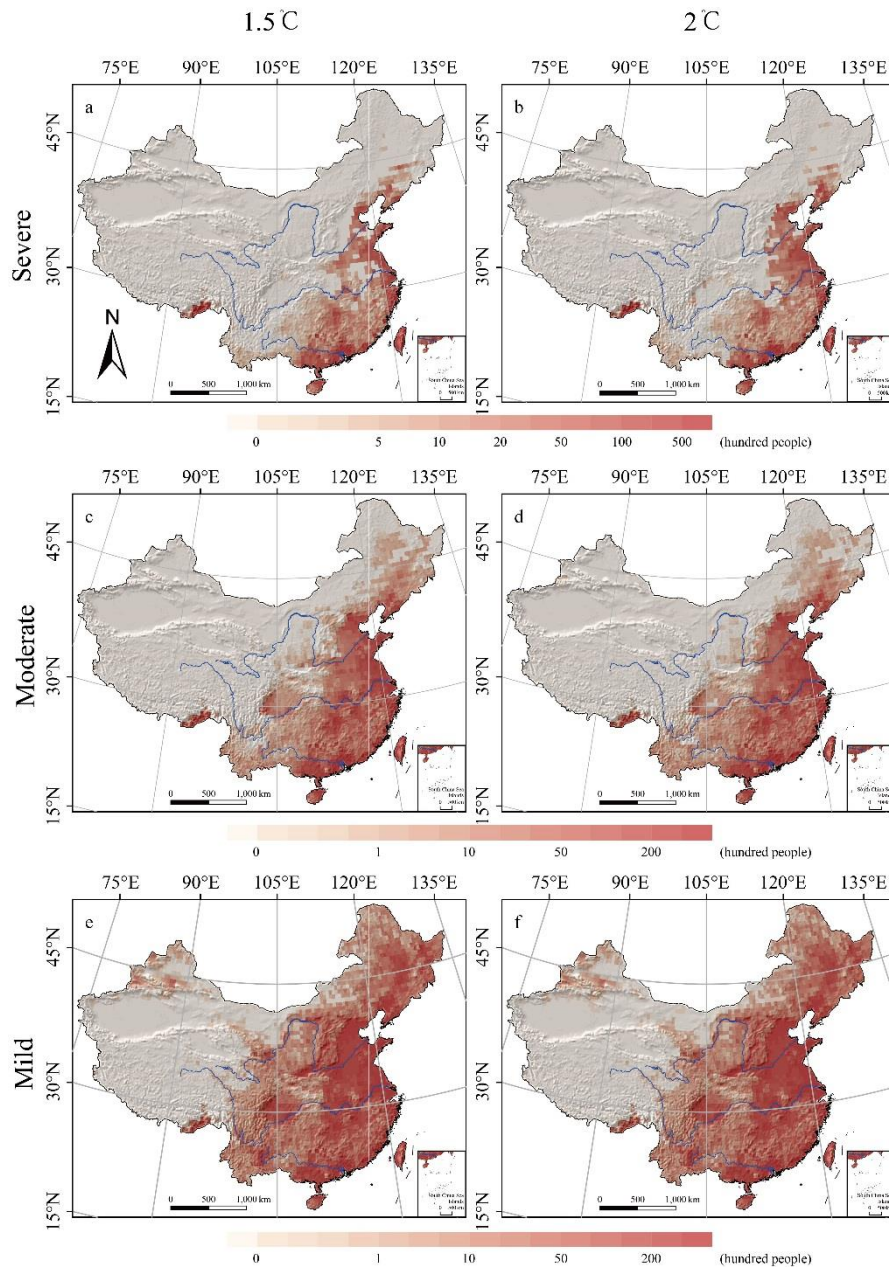


Figure S3. Spatial patterns of the population risks of floods of different levels for 1.5°C and 2°C of global warming under RCP4.5 scenario (a-b. severe floods; c-d. moderate floods; e-f. mild floods; a, c, e. 1.5°C of warming; b, d, f. 2°C of warming)

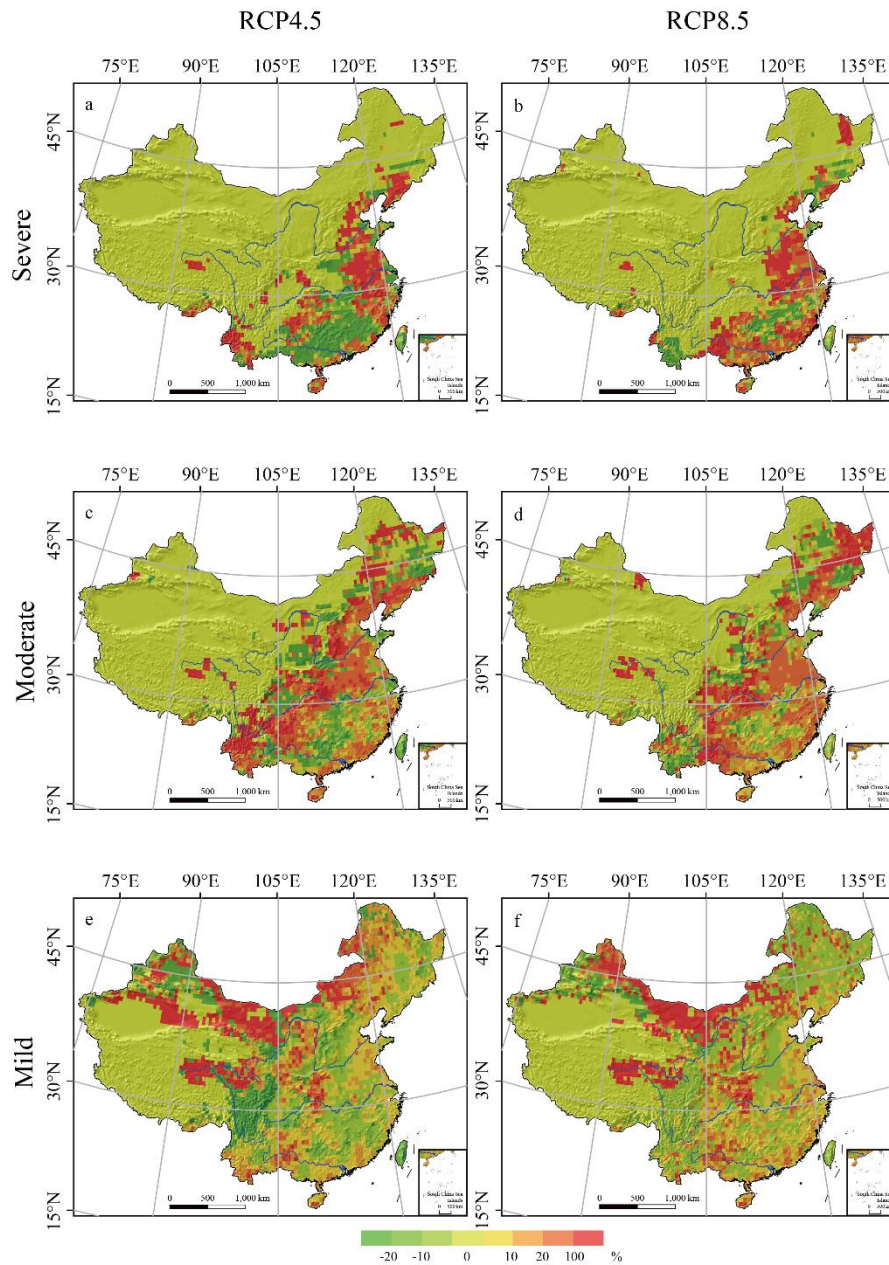


Figure S4. Spatial patterns in the variability of the population risks of floods for 1.5°C and 2°C of global warming under RCP4.5 and RCP8.5 scenarios

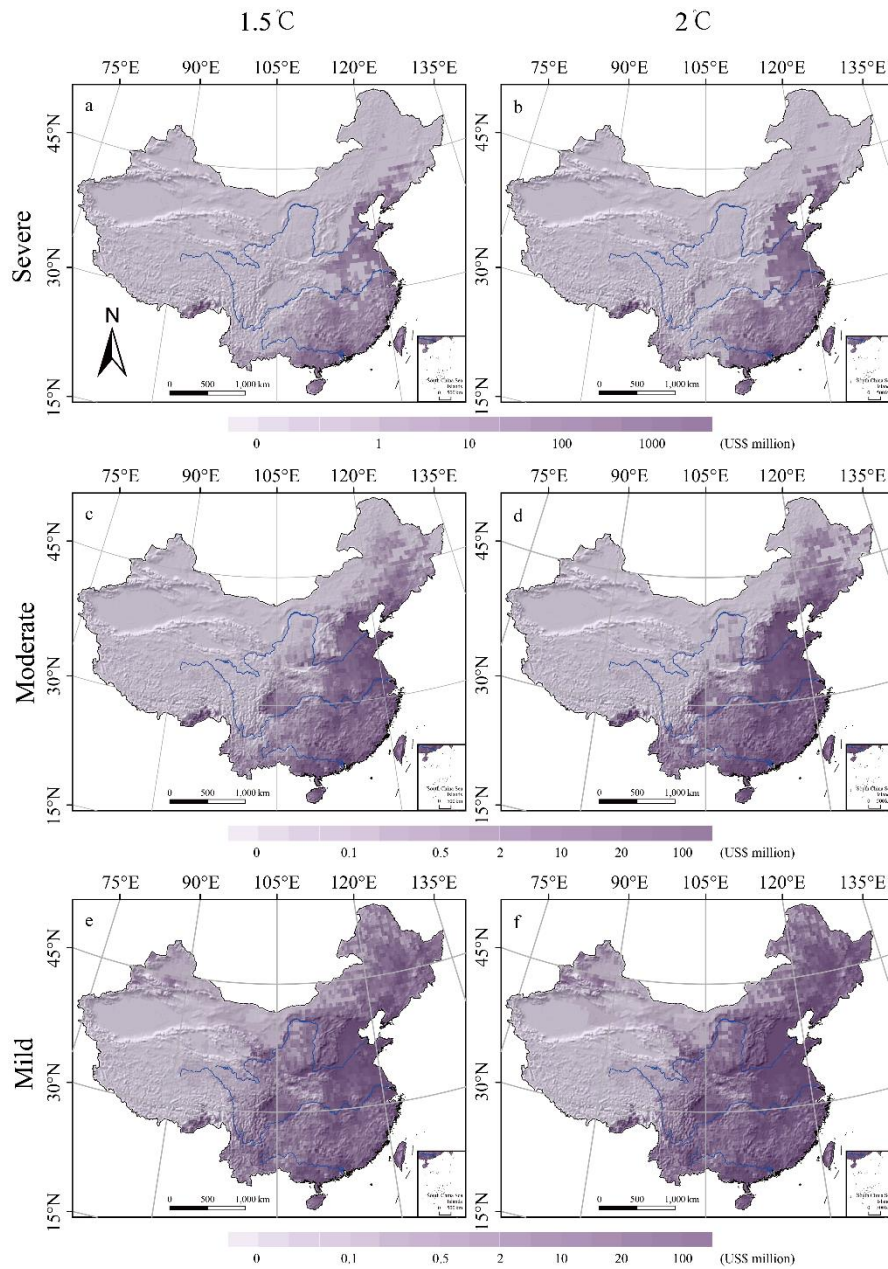


Figure S5. Spatial patterns of the economic risks of floods of different levels for 1.5°C and 2°C of global warming under RCP4.5 scenario (a-b. severe floods; c-d. moderate floods; e-f. mild floods; a, c, e. 1.5°C of warming; b, d, f. 2°C of warming)

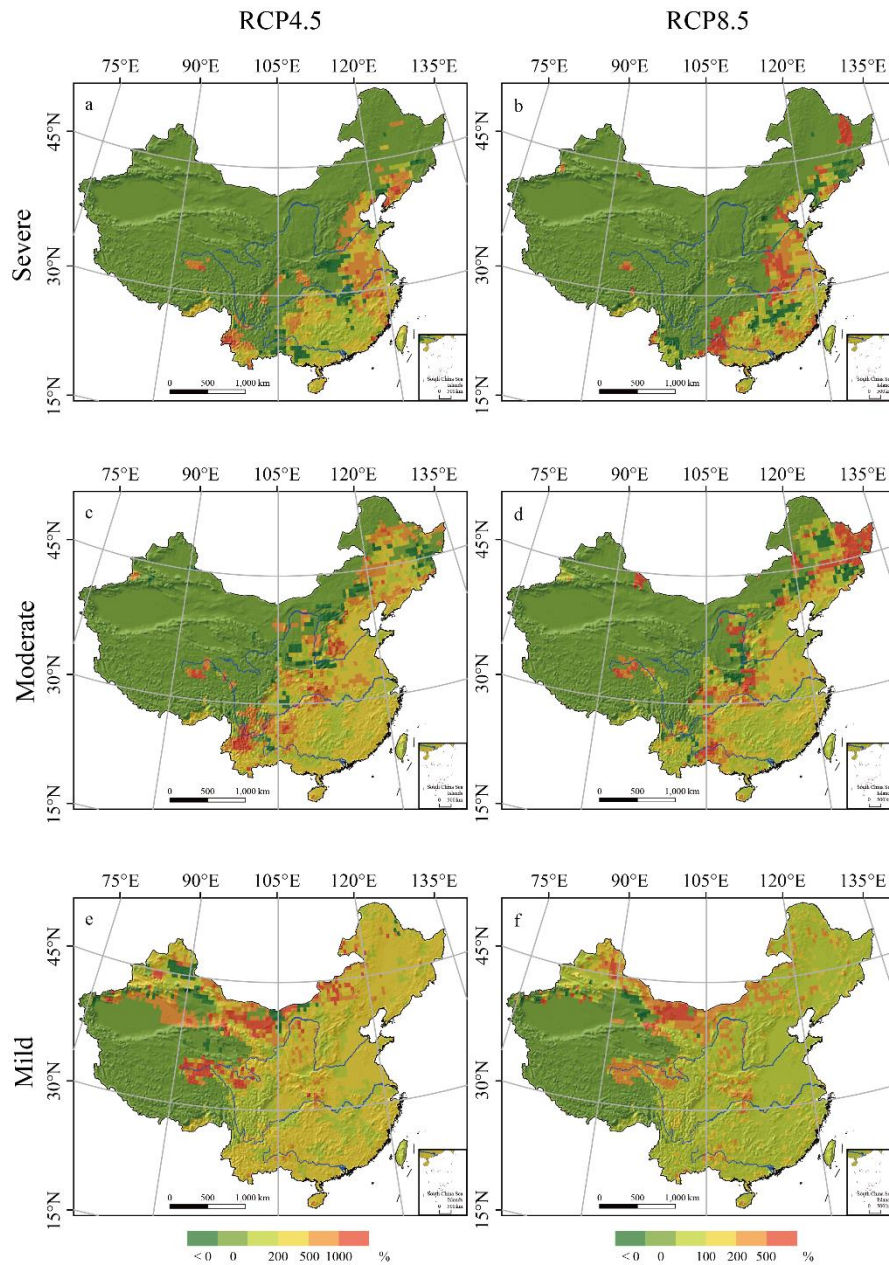


Figure S6. Spatial patterns in the variability of the economic risks of floods for 1.5°C and 2°C of global warming under RCP4.5 and RCP8.5 scenarios