



Supplement of

Warming of 0.5°C may cause double the economic loss and increase the population affected by floods in China

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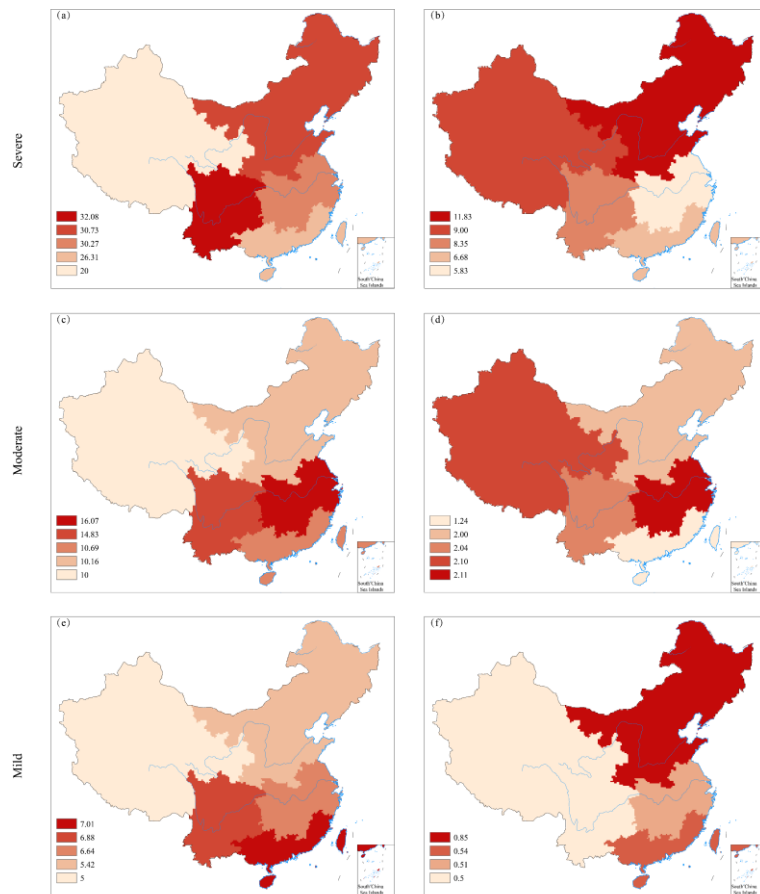


Figure S1. Affected population rate (a, c, e) and direct economic losses rate (b, d, f) of severe (a-b), moderate (c-d), and mild (e-f) floods (units: %)

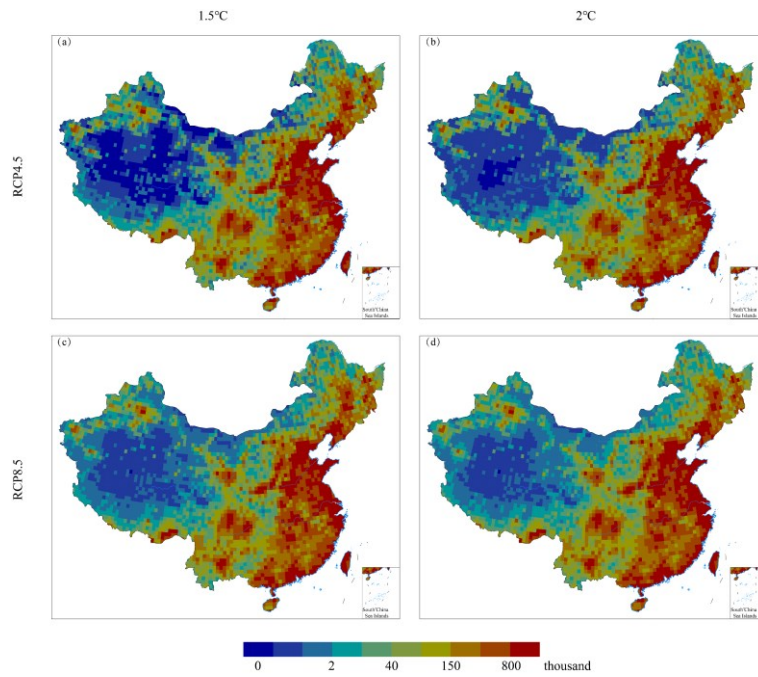


Figure S2. Spatial patterns of population in China for 1.5°C (a-b) and 2°C (c-d) of global warming under RCP4.5 (a, c) and RCP8.5 (b, d) scenarios

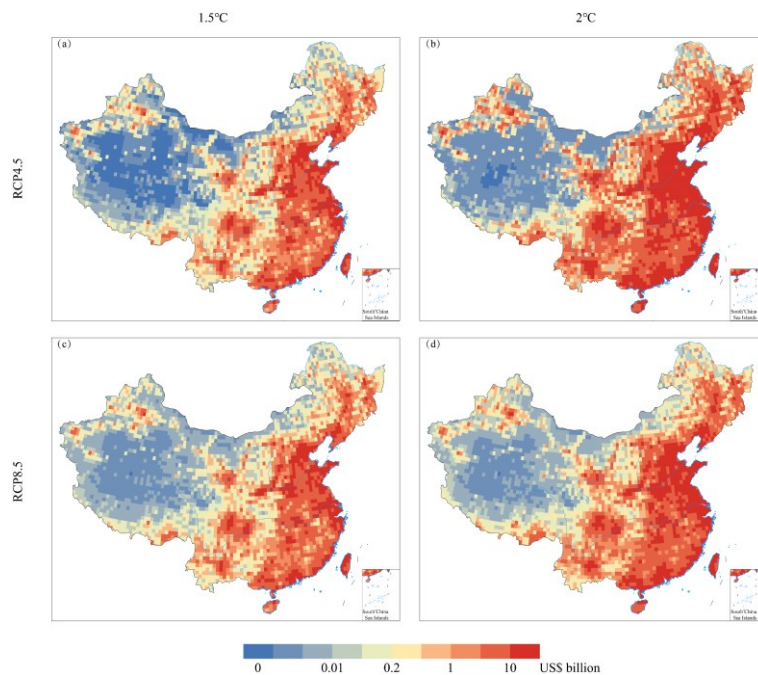


Figure S3. Spatial patterns of GDP in China for 1.5°C (a-b) and 2°C (c-d) of global warming under RCP4.5 (a, c) and RCP8.5 (b, d) scenarios

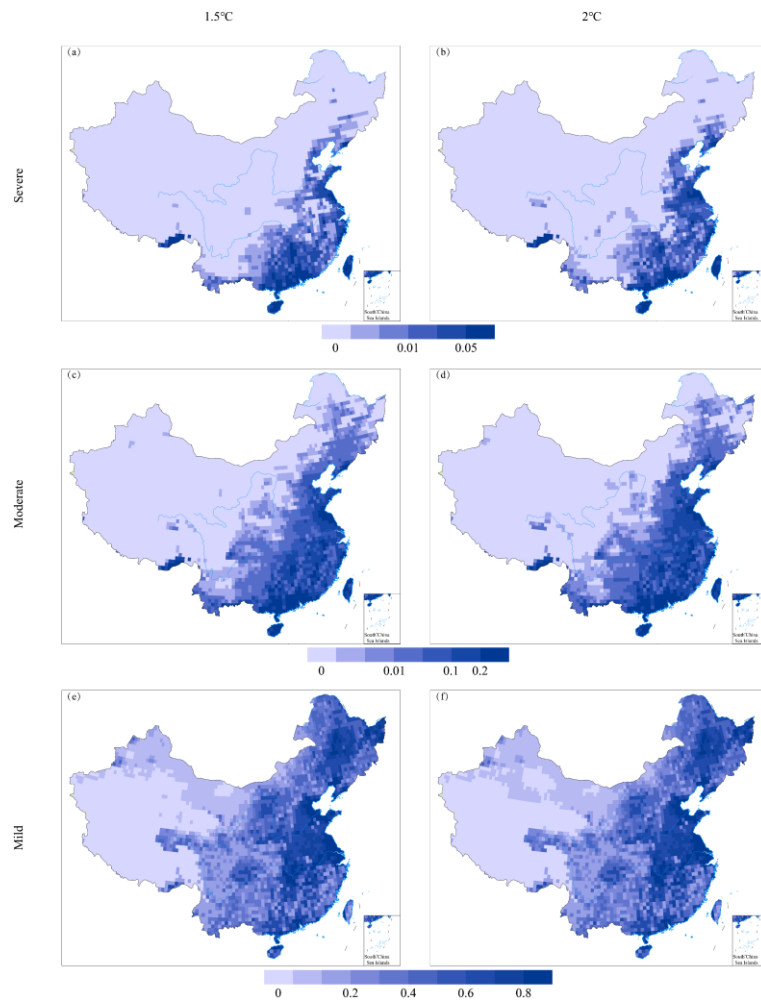


Figure S4. Spatial patterns of the probability of severe (a-b), moderate (c-d), and mild (e-f) floods for 1.5°C (a, c, e) and 2°C (b, d, f) of global warming under the RCP4.5 scenario

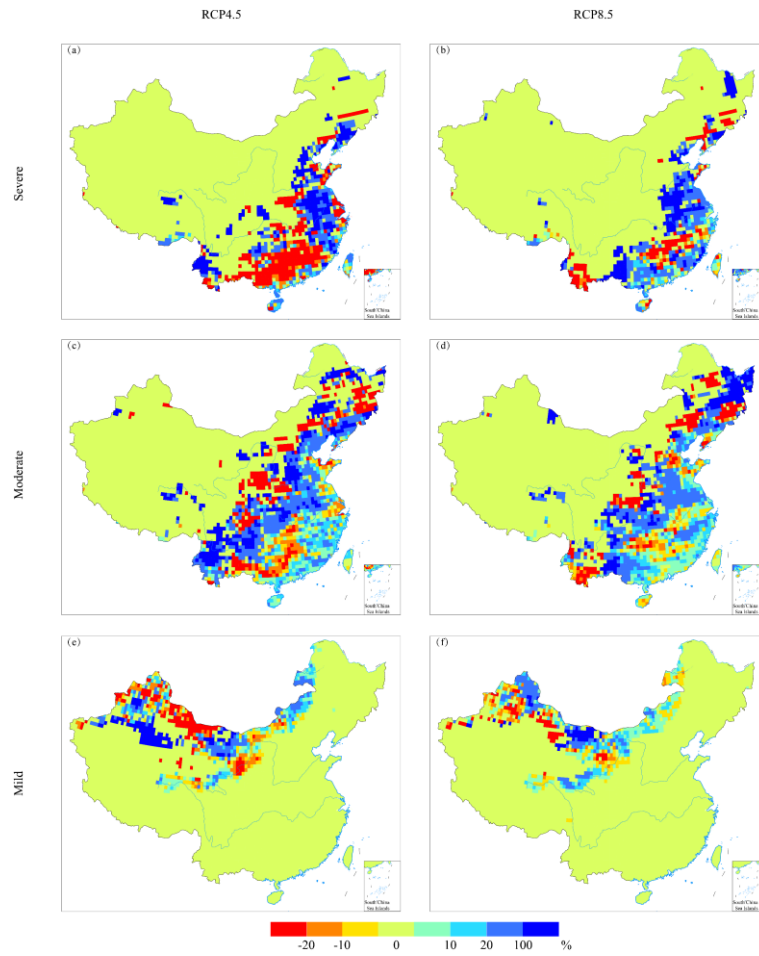


Figure S5. Spatial patterns in the variability of the probability of the severe (a-b), moderate (c-d), and mild (e-f) floods between 1.5°C and 2°C of global warming under the RCP4.5 (a, c, e) and RCP8.5 (b, d, f) scenarios

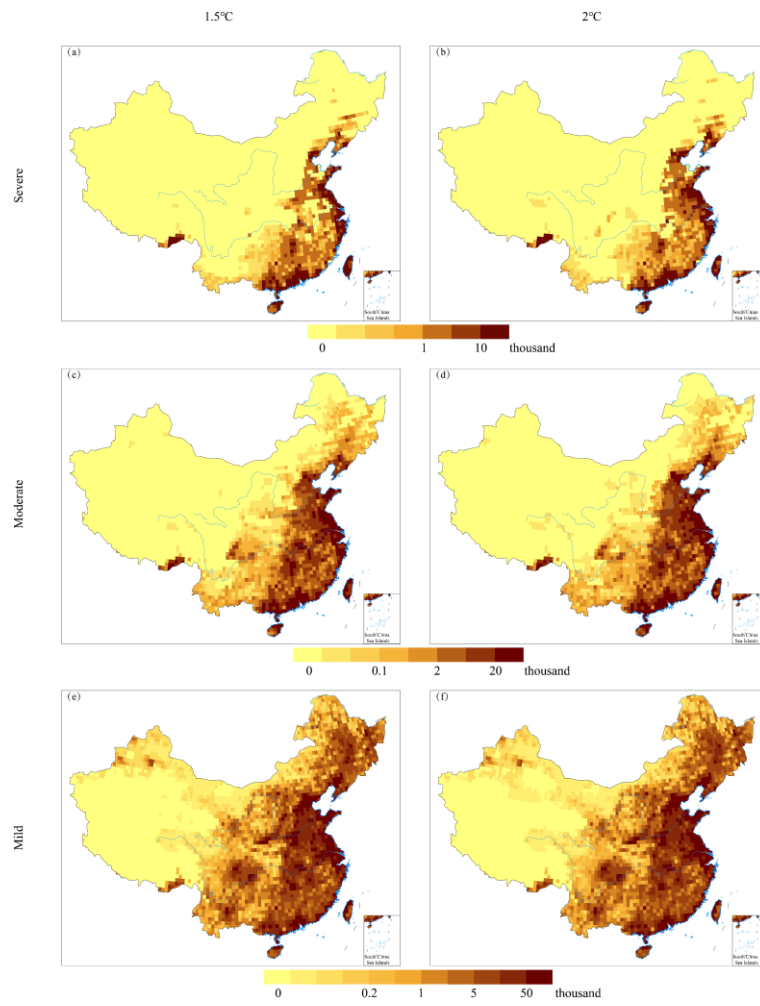


Figure S6. Spatial patterns of the population affected by the severe (a-b), moderate (c-d), and mild (e-f) floods for 1.5°C (a, c, e) and 2°C (b, d, f) of global warming under the RCP4.5 scenario

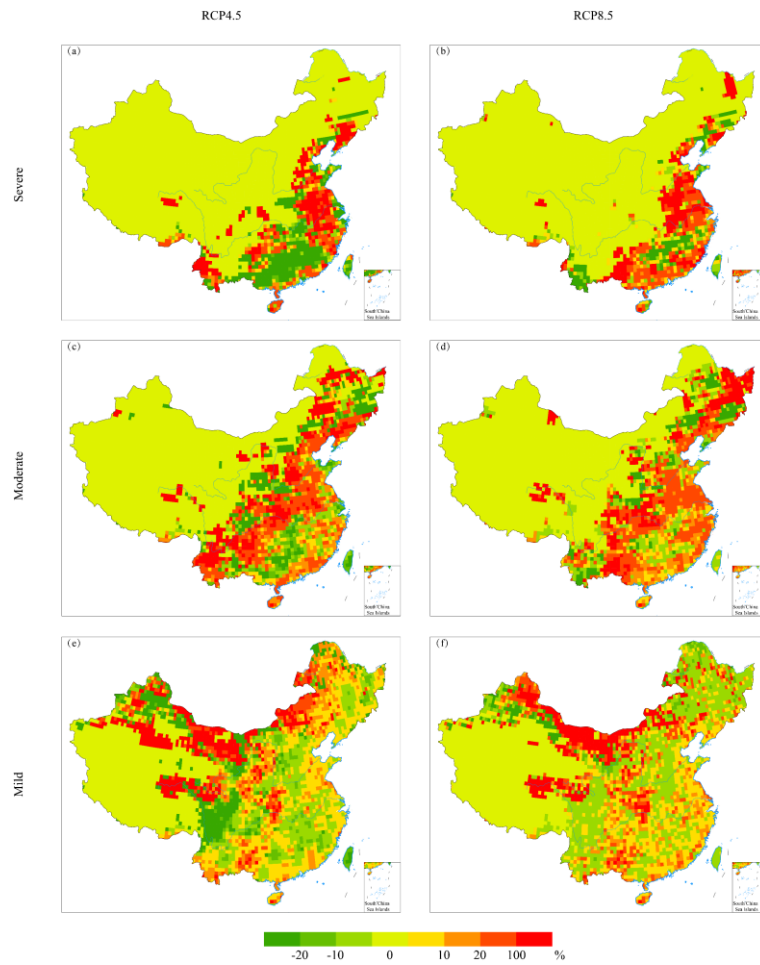


Figure S7. Spatial patterns in the variability of the population affected by the severe (a-b), moderate (c-d), and mild (e-f) floods between 1.5°C and 2°C of global warming under the RCP4.5 (a, c, e) and RCP8.5 (b, d, f) scenarios

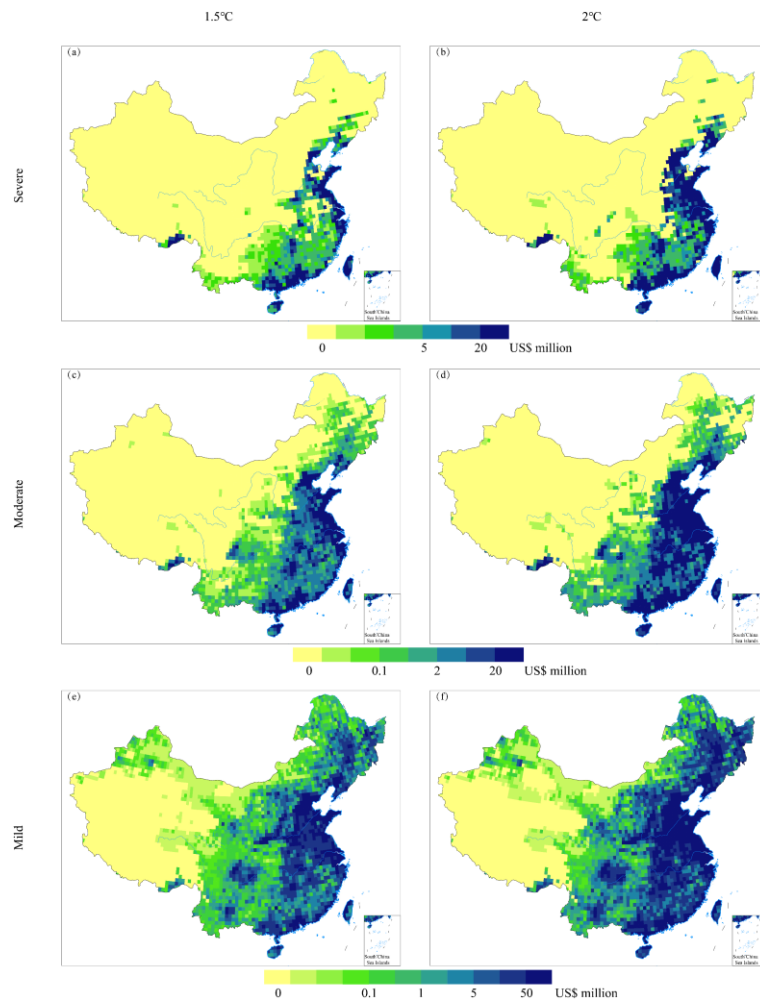


Figure S8. Spatial patterns of the economic risks posed by the severe (a-b), moderate (c-d), and mild (e-f) floods for 1.5°C (a, c, e) and 2°C (b, d, f) of global warming under the RCP4.5 scenario

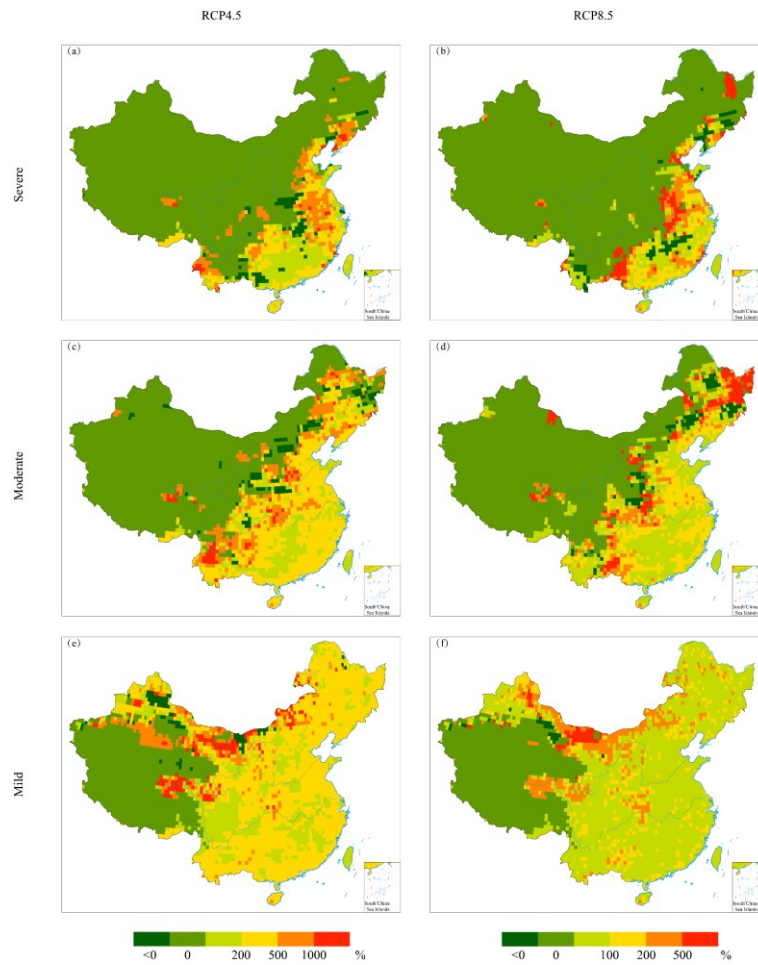


Figure S9. Spatial patterns in the variability of the economic risks posed by the severe (a-b), moderate (c-d), and mild (e-f) floods between 1.5°C and 2°C of global warming under the RCP4.5 (a, c, e) and RCP8.5 (b, d, f) scenarios