

Supplementary Materials for

Evaluating China's role in achieving the 1.5 °C target of the Paris Agreement

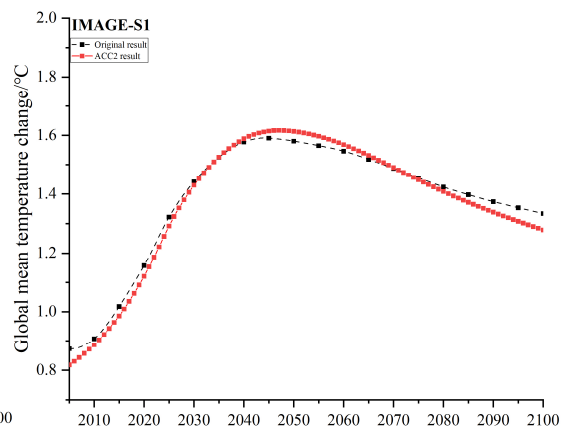
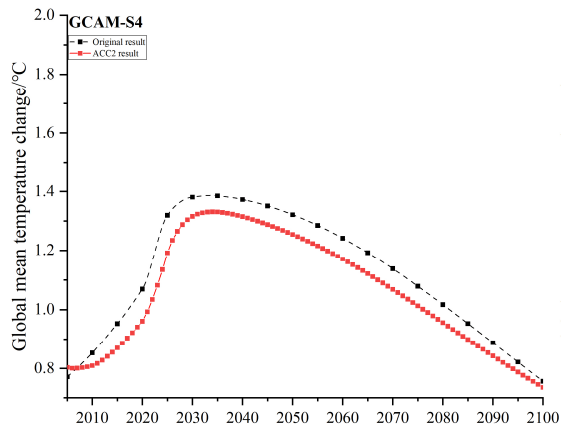
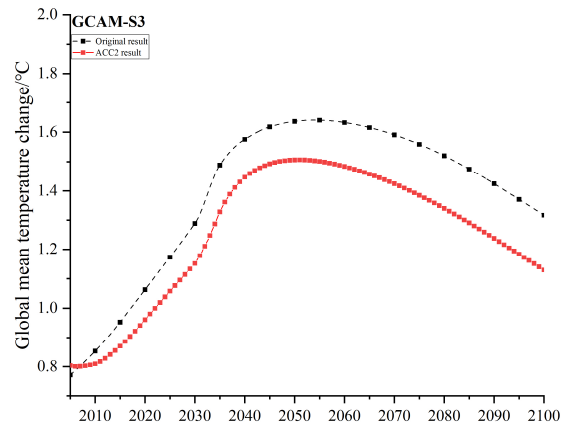
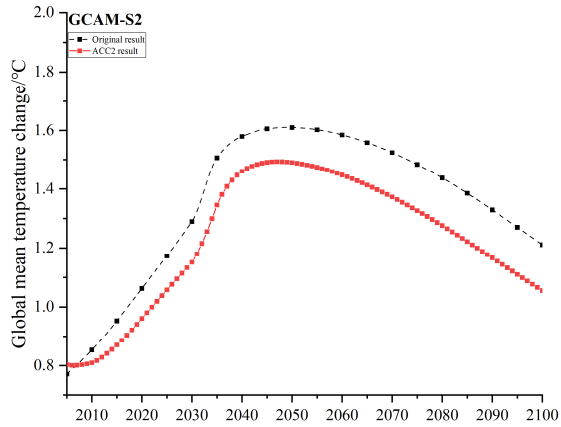
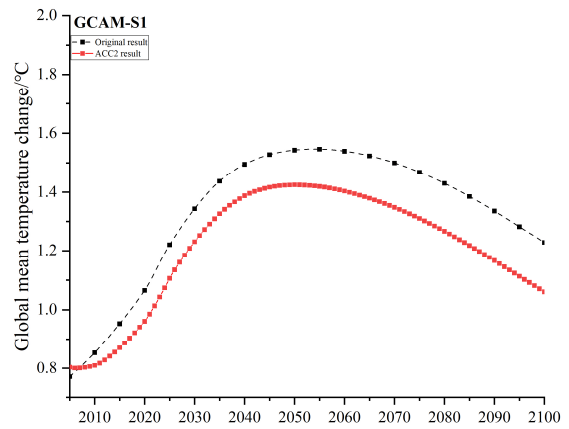
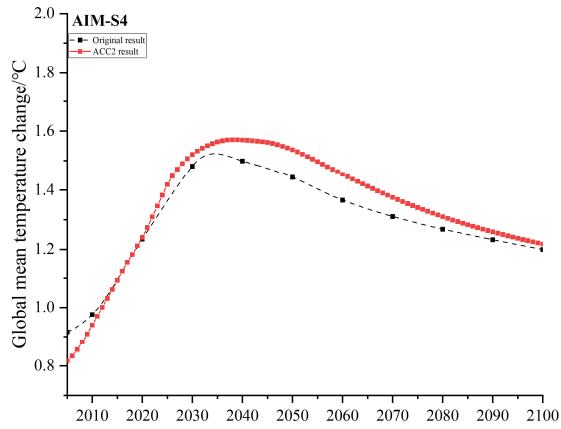
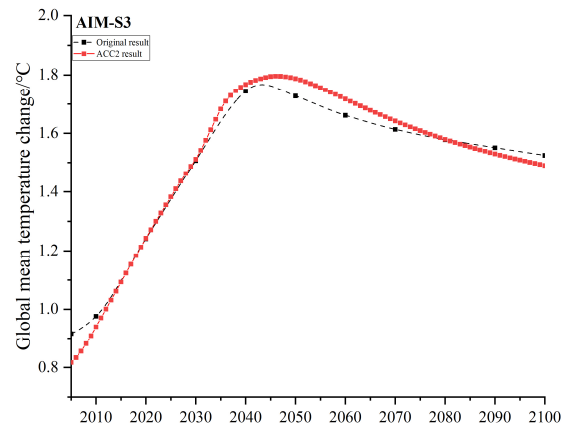
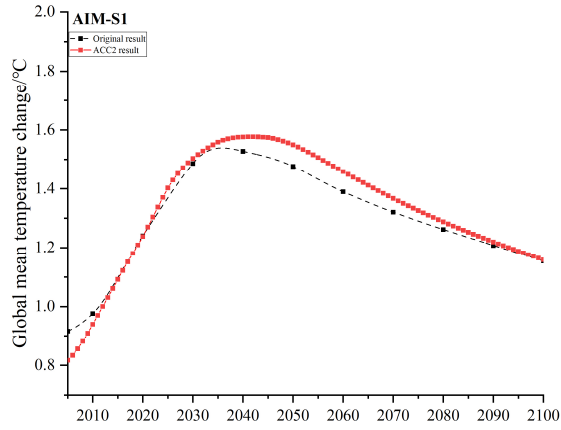
Weiwei Xiong ^{1,2,*}, Katsumasa Tanaka ^{2,3,*}, Philippe Ciais ² and Liang Yan ¹

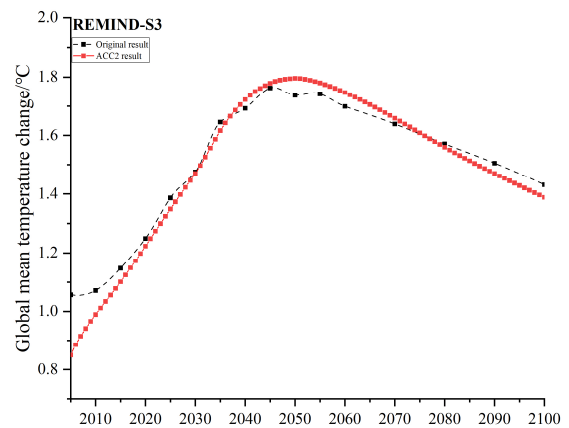
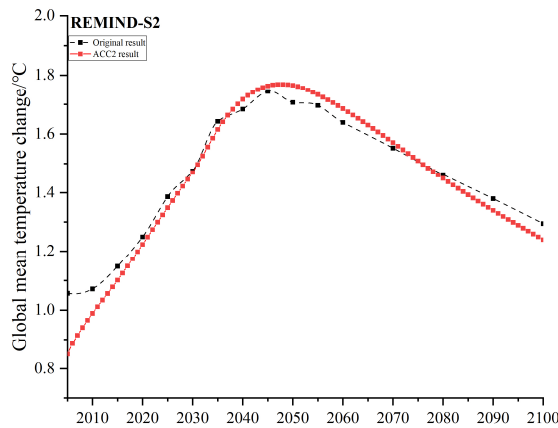
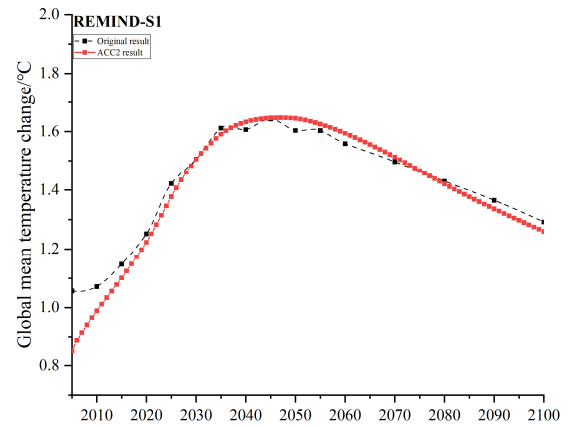
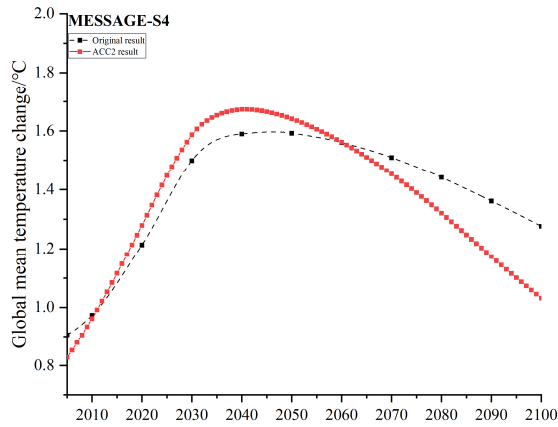
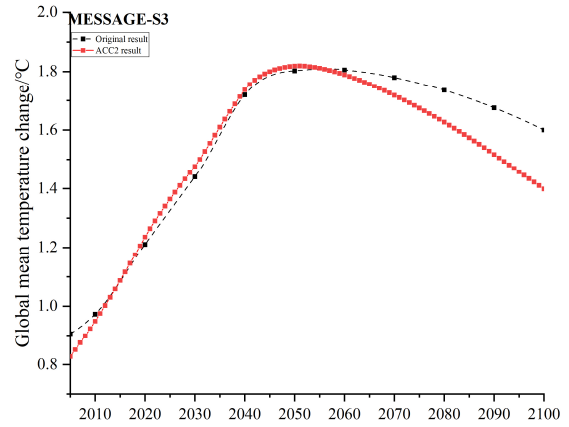
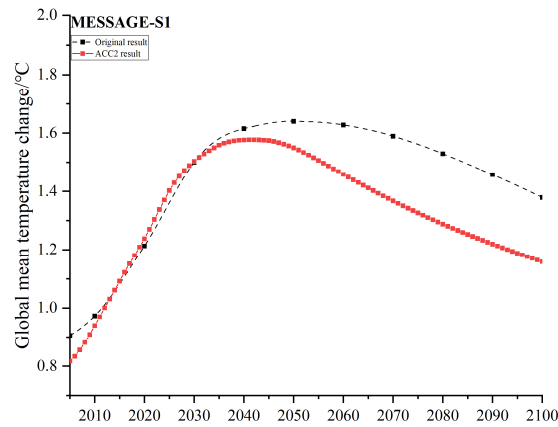
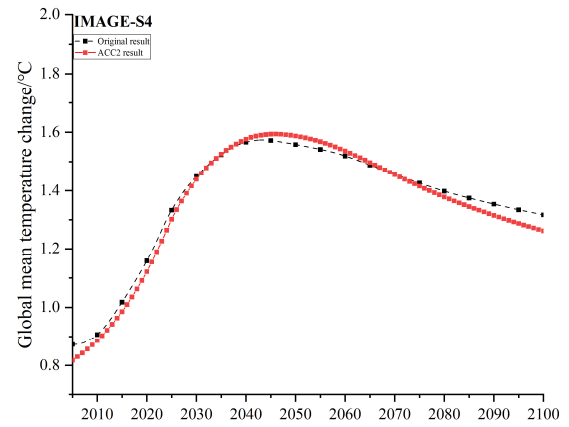
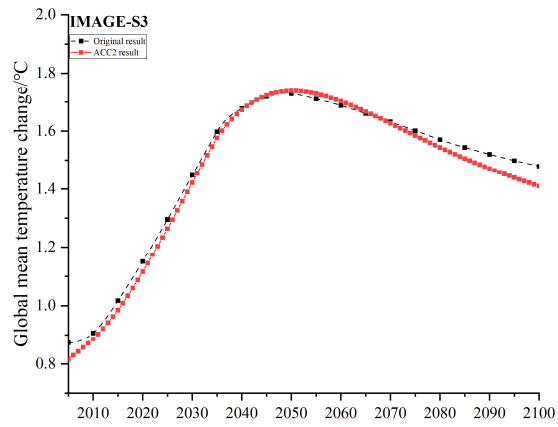
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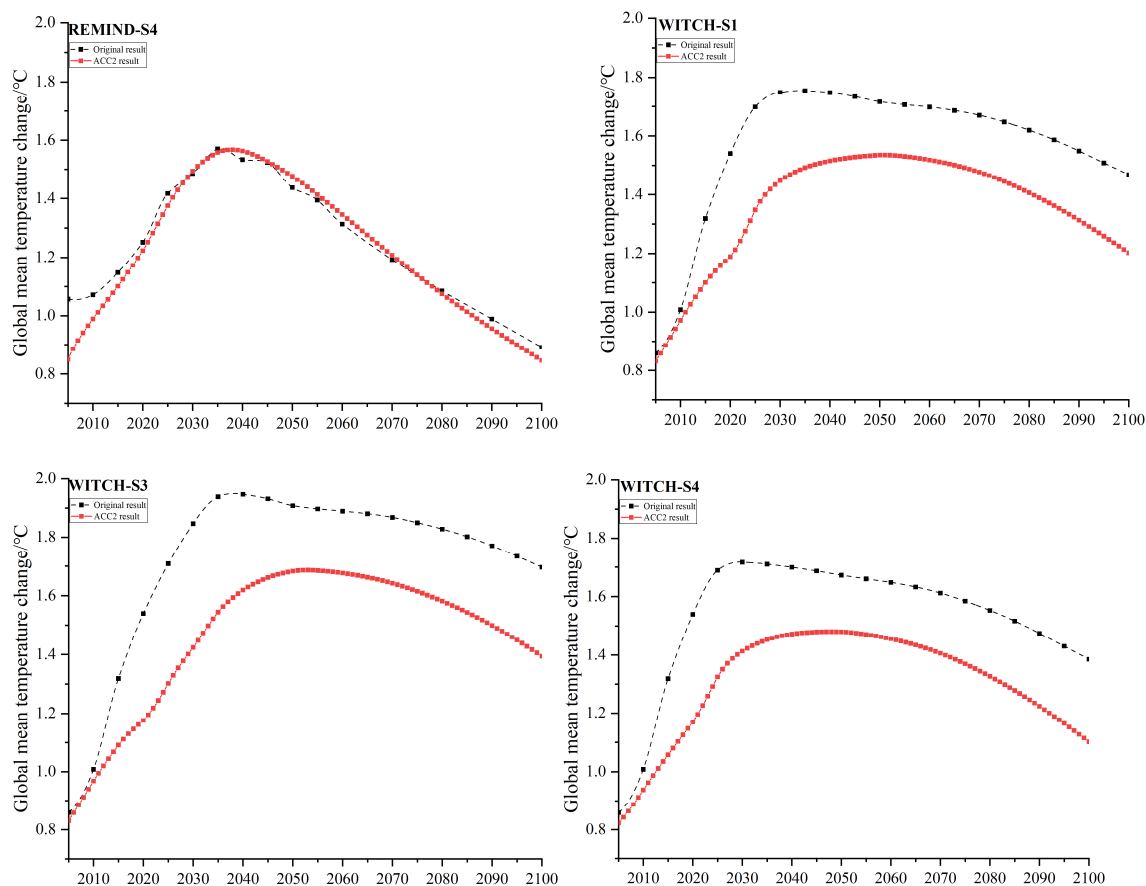
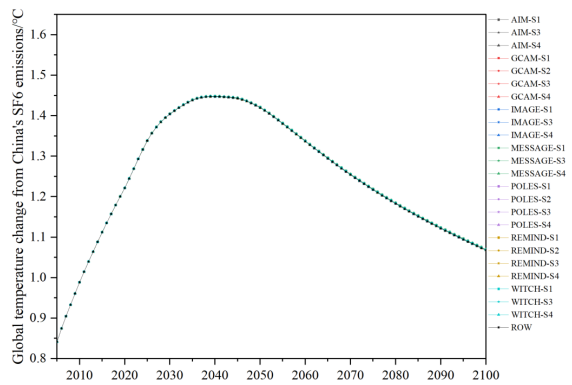
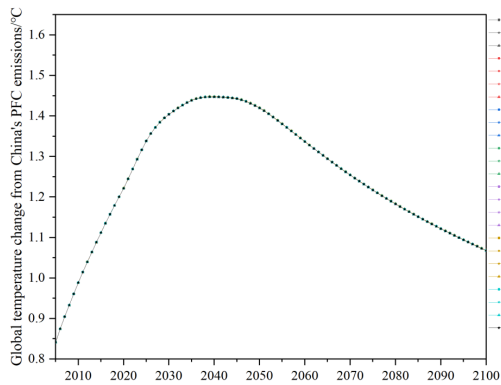
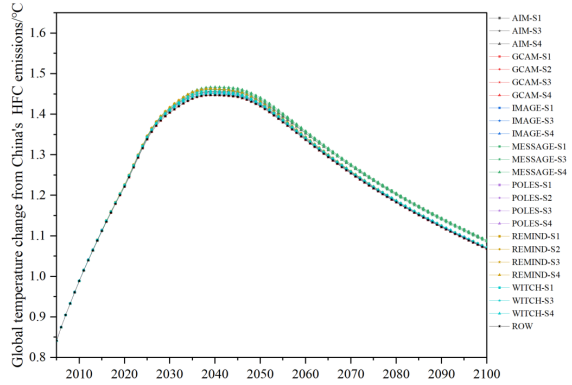
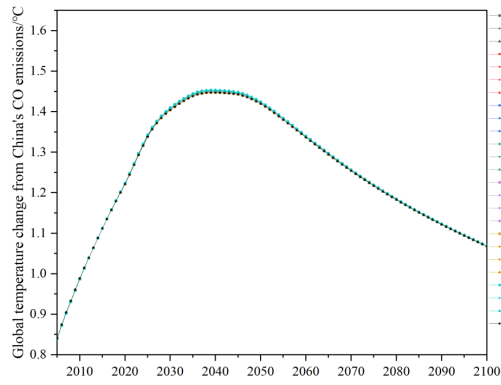
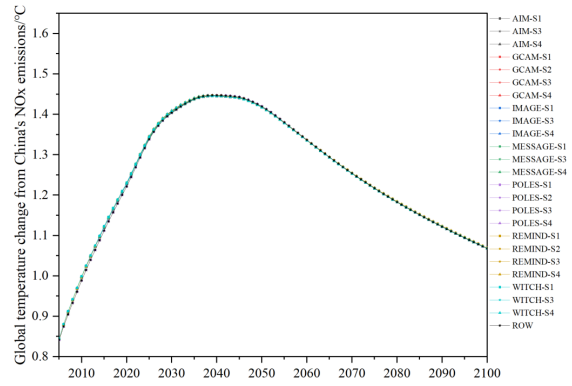
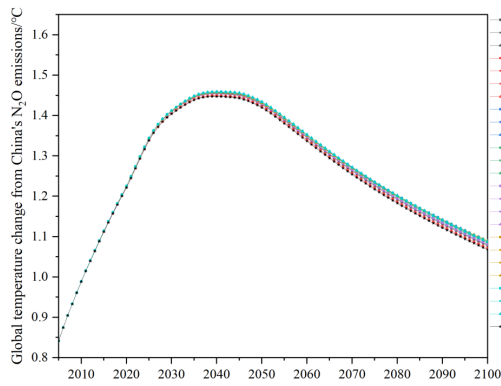
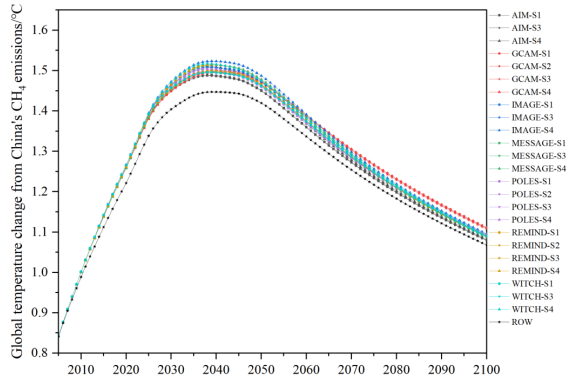
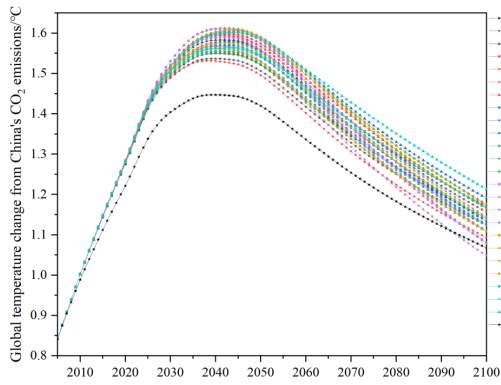


Figure S1. The results of global mean temperature change between the original and the ACC2 for different pathways. The black dotted line represents the original result provided by the given model, and the solid red lines indicate the results calculated by the ACC2.



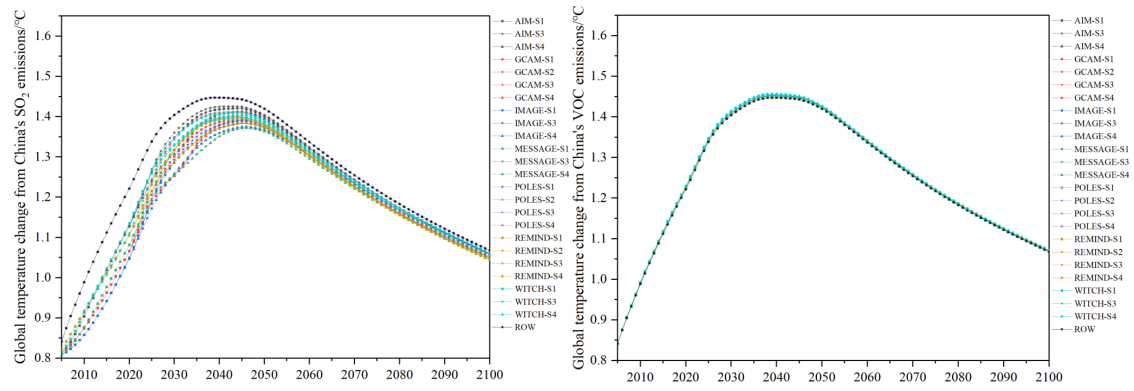


Figure S2. Global mean temperature change caused by China's emissions of individual gases. ROW pathway represents the contribution of the rest of the world.

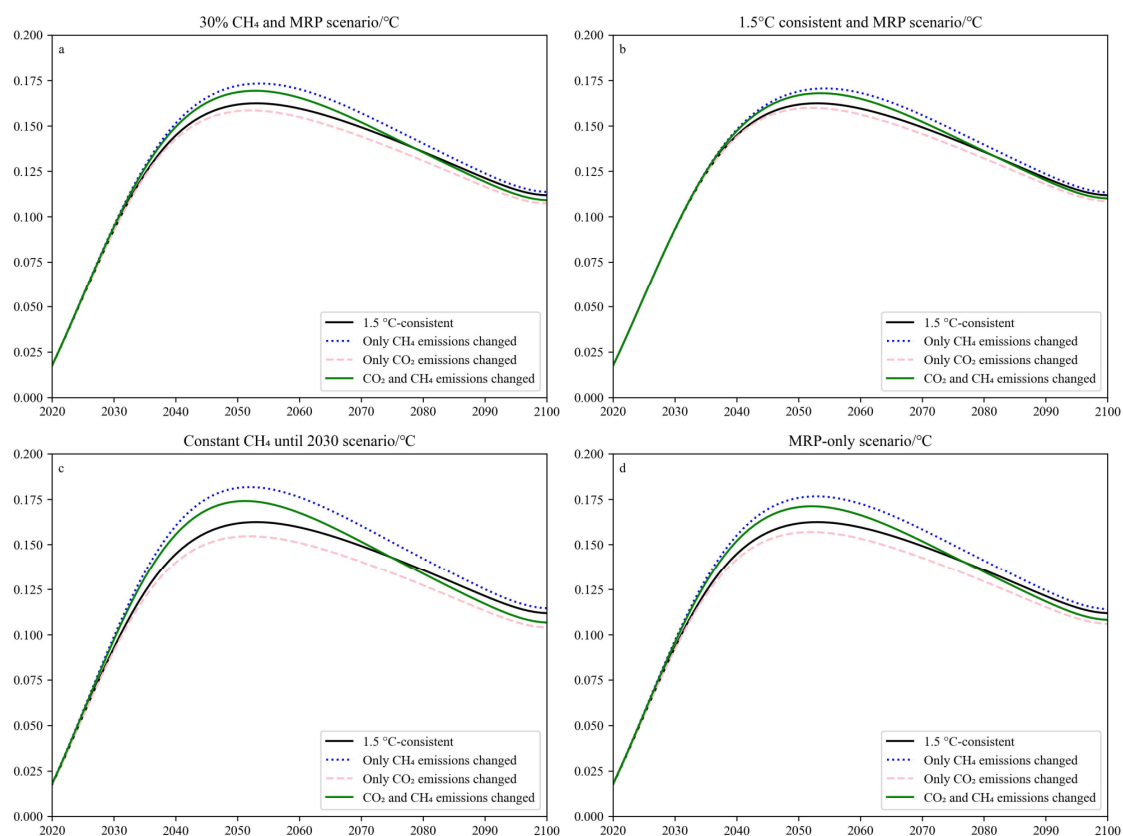


Figure S3. China's contribution to global warming under the different CH₄ mitigation scenarios. The 1.5 °C-consistent scenario is the benchmark scenario. Colors are designated according to how CO₂ and CH₄ emissions are hypothetically altered.