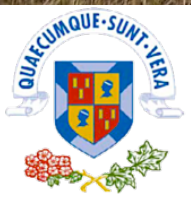
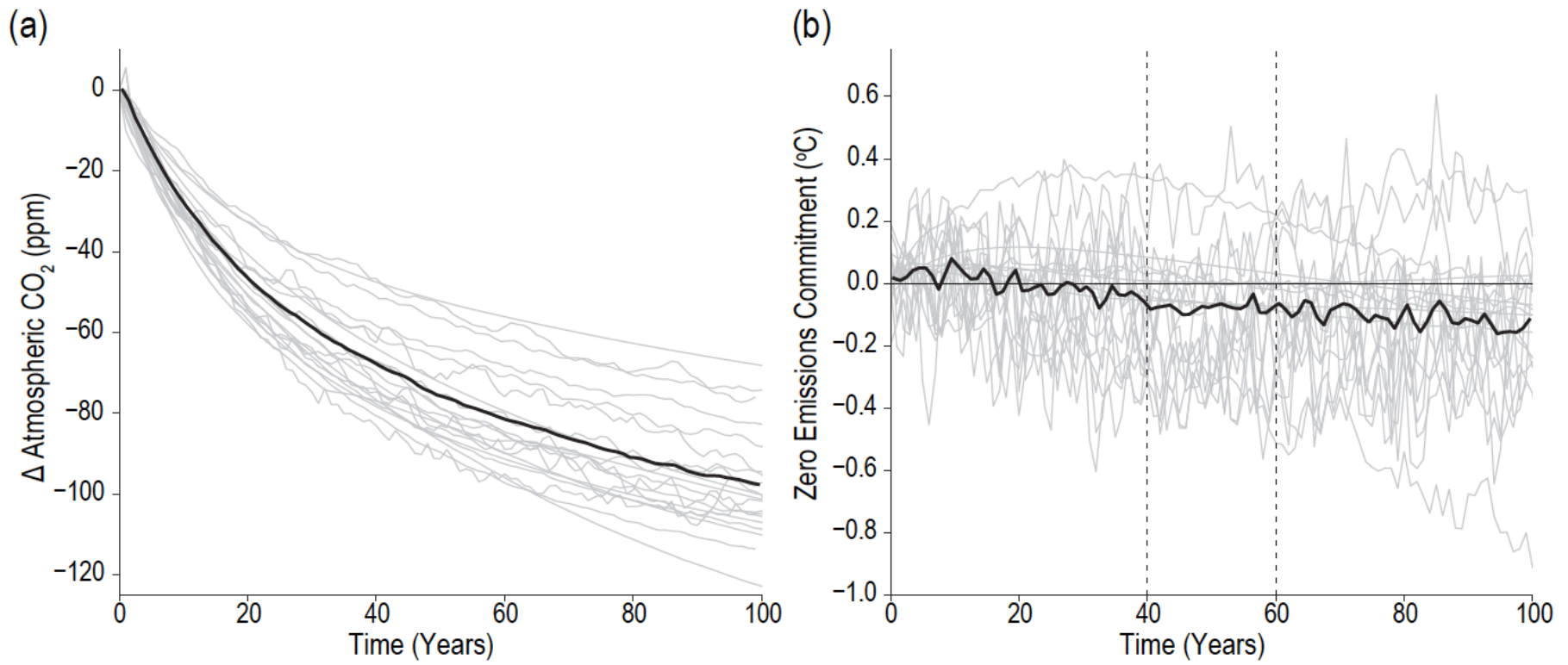


Estimated effect of the permafrost carbon stability on the zero emissions commitment to climate change

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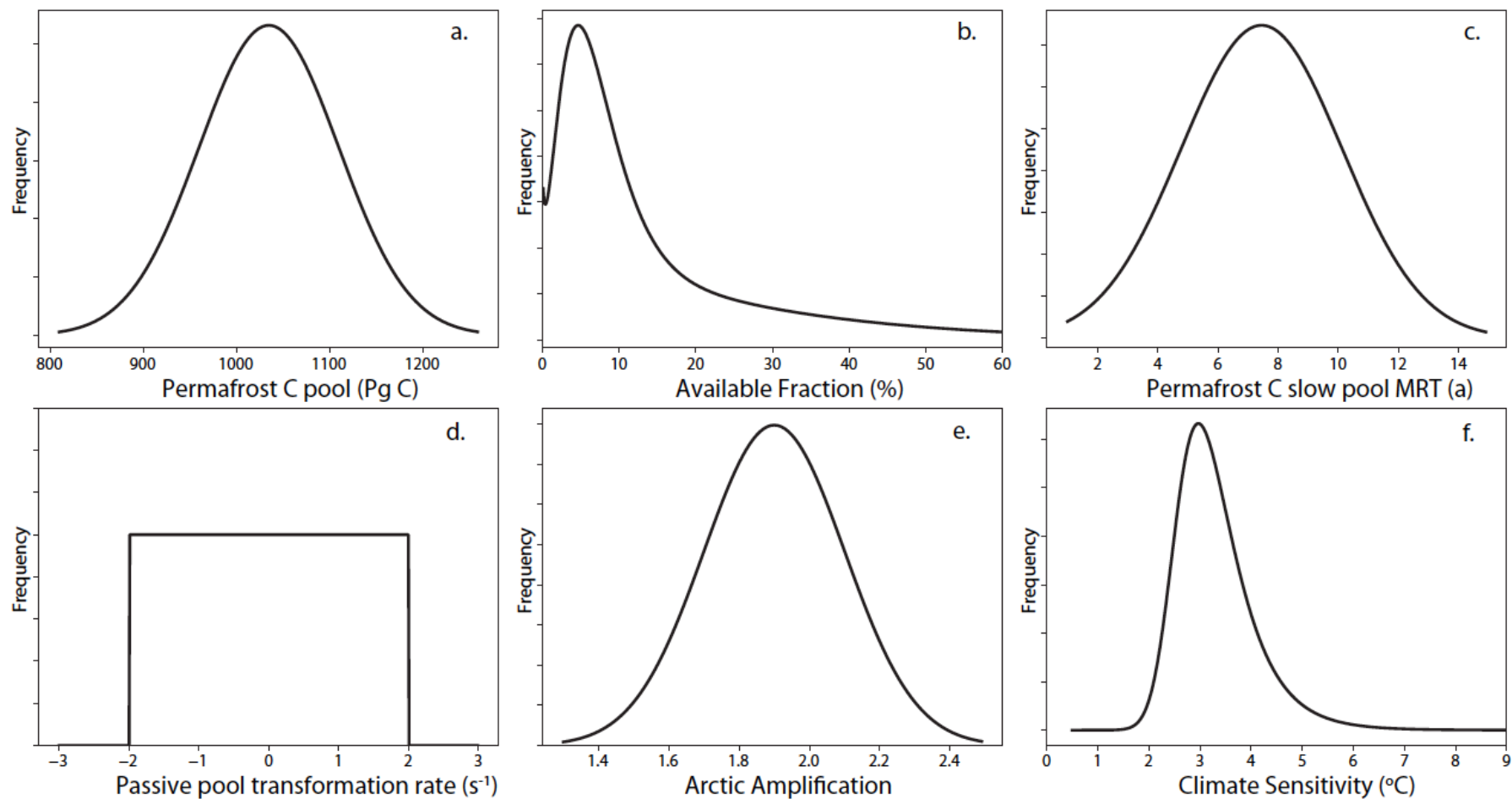


ZECMIP

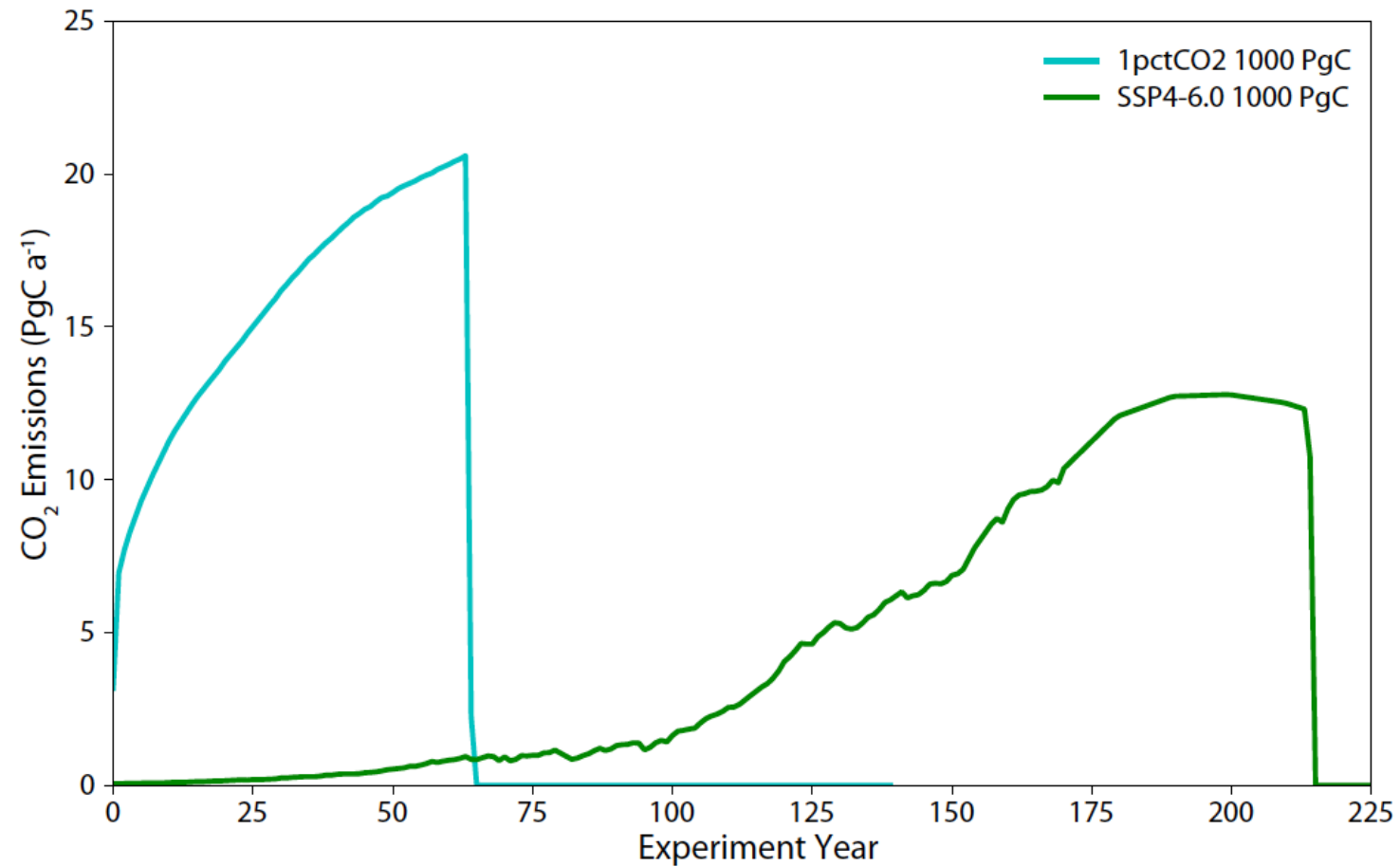


IPCC AR6 WGI Fig. 4.39

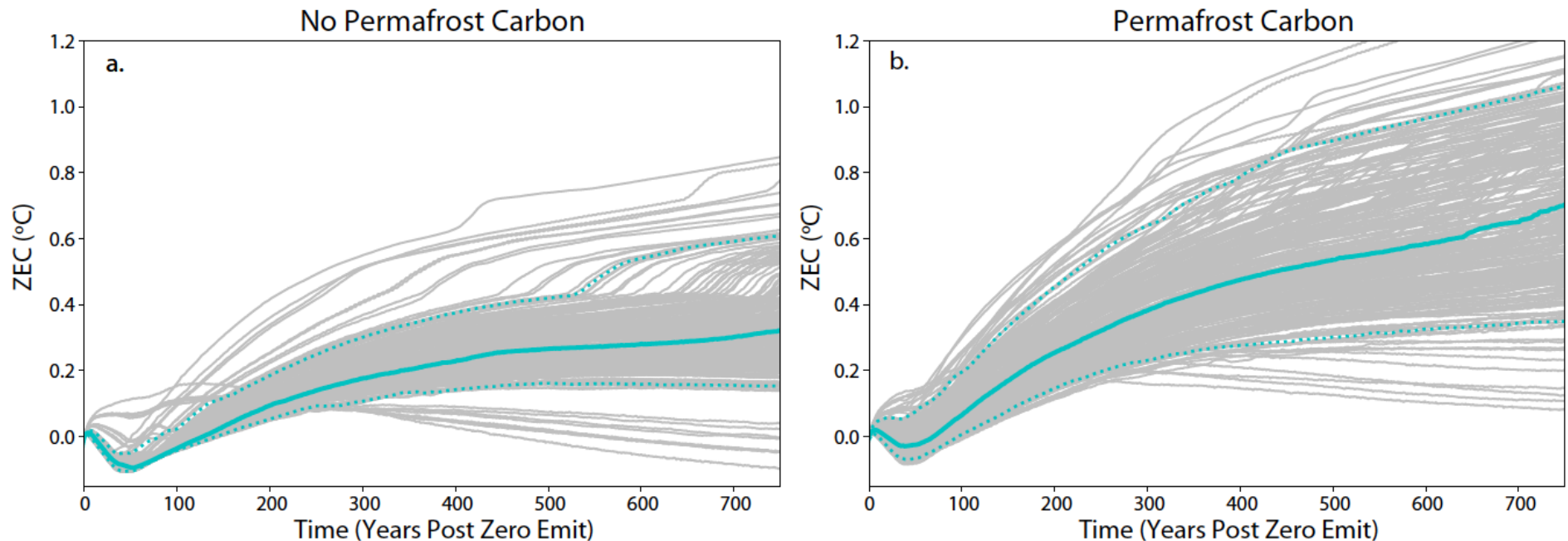
Perturbed Parameter Experiment



Idealized Experiments



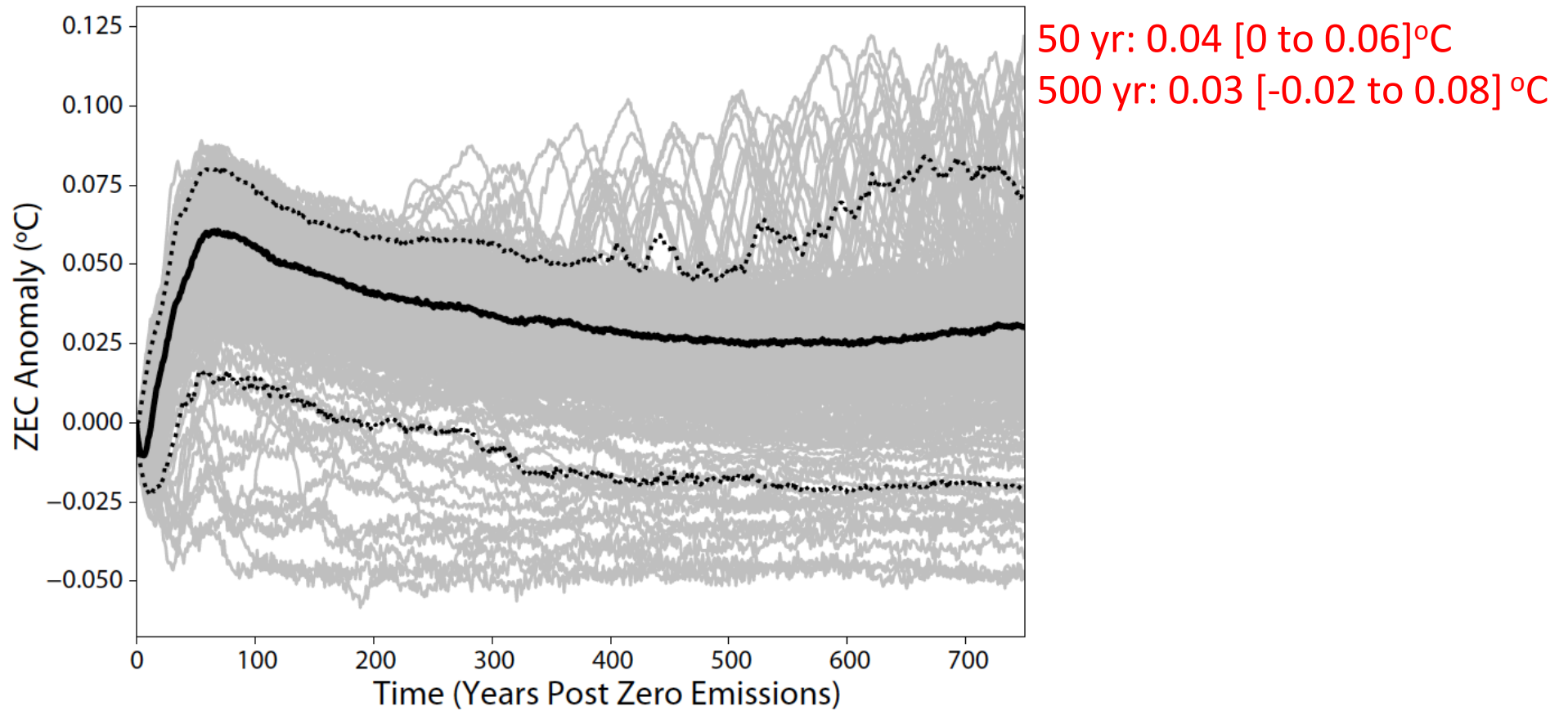
Results: Extra ZEC from permafrost feedback



ZEC-50: 0.06 [0.02 to 0.14]°C

ZEC-500: 0.27 [0.12 to 0.49] °C

Results: Thaw Lag Effect



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