

**Corrigendum “Climate trade-off between black carbon and carbon dioxide emissions”
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There was an error in the calculation of the absolute global temperature potential (AGTP) for black carbon (BC) for some of the figures of Boucher and Reddy (2008). As a result, Figs. 4, 5 and 6 are incorrect. The correct figures are shown below. Only the calculations for short time horizons are affected. The other figures (including Fig. 3) and the conclusions of the study which focused on longer time horizons are unaffected.

There was a typo in the last equation of Appendix A. The correct equation should read

$$\Delta T(T) = \int_{t_0}^{t_0+T} RF(t) \delta T(t_0+T-t) dt$$

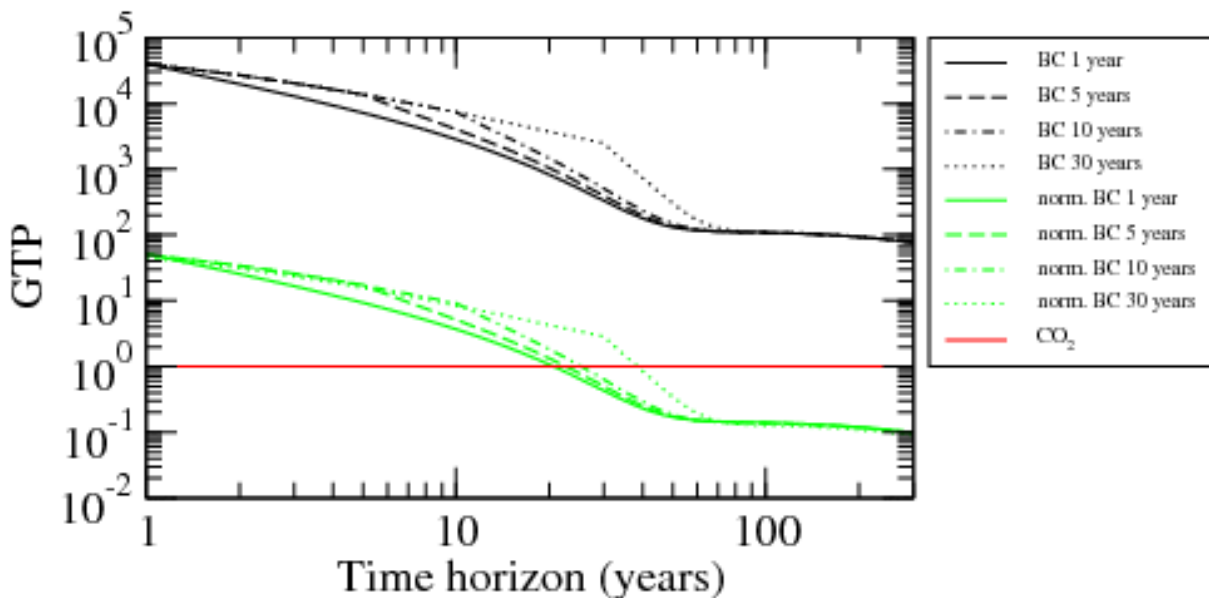


Fig. 4. Generalised GTP (dimensionless) for BC and normalised BC as a function of the time horizon.

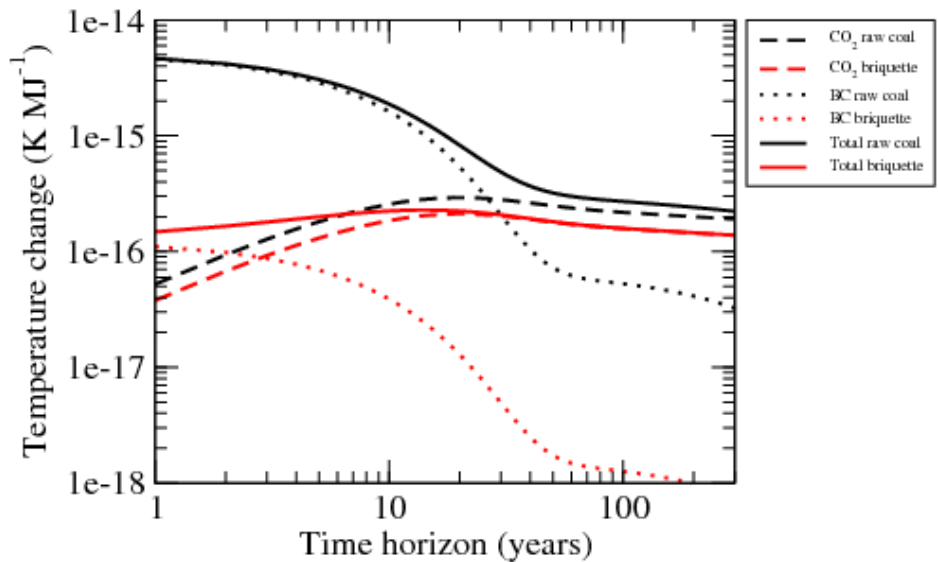


Fig. 5. Absolute GTP for a delivered energy of 1MJ in a domestic cooking stove from CO₂, BC and their combined effects for raw coal and coal briquettes.

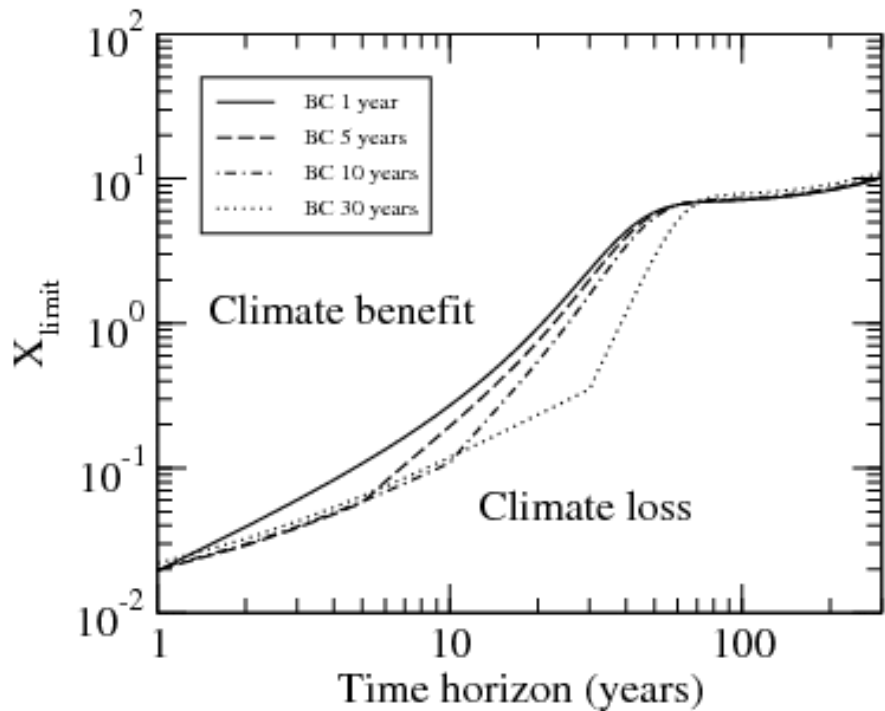


Fig. 6. Critical X_{limit} parameter as a function of the time horizon. If X is larger than X_{limit} , there is a climate benefit for this time horizon to reduce BC emissions despite the associated CO₂ penalty.

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References

Boucher, O., and M. S. Reddy, Climate trade-off between black carbon and carbon dioxide emissions, *Energy Policy*, 36, 193-200, 2008.