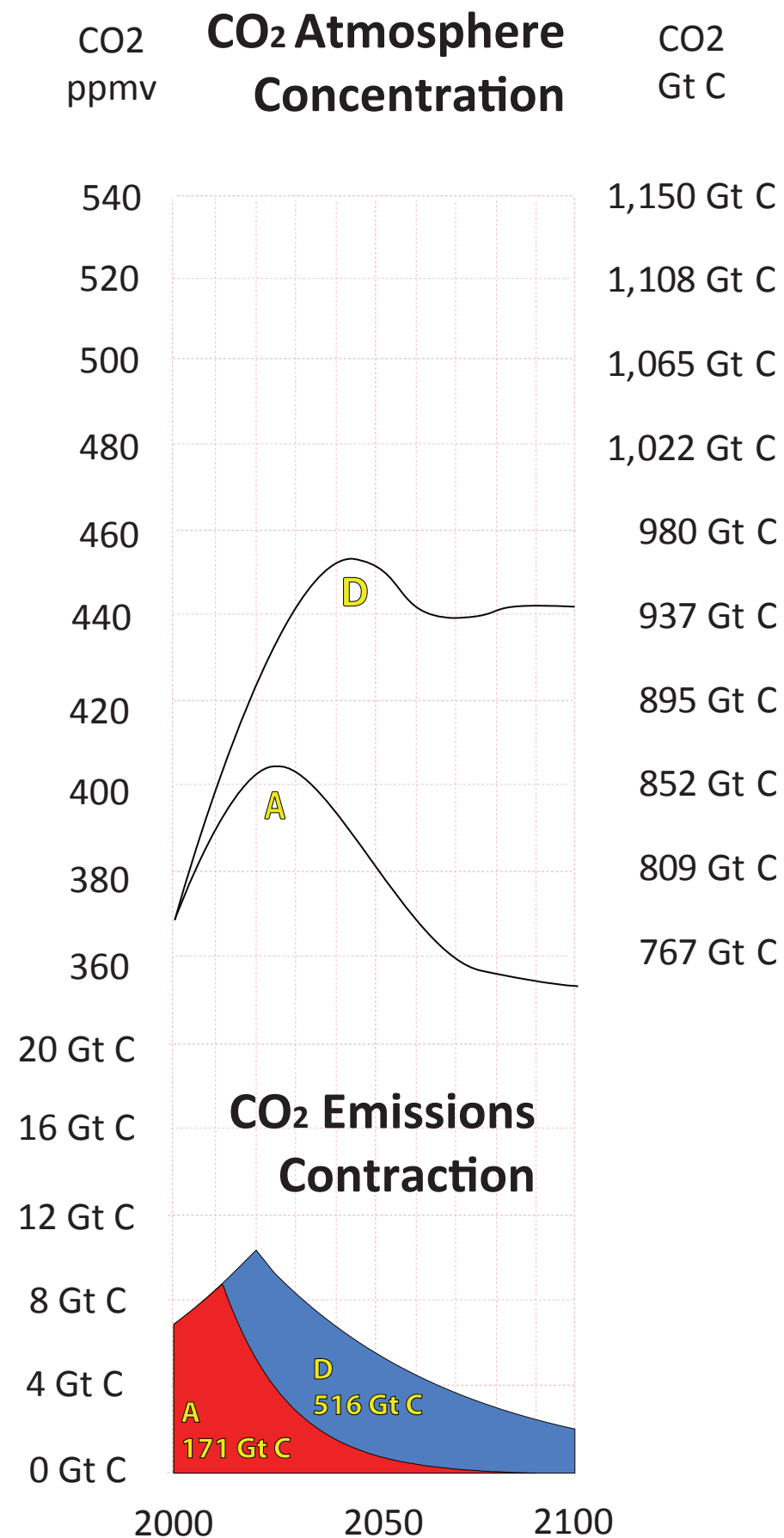




Hansen Contraction:Concentration Policy-Scenarios

Hansen insists he advocates policy-scenario 'A', where emissions decline at 6% a year from 2013 and the ppmv line 'A' ends at 350 ppmv (as shown in his PLOS paper *).

However, he went to China in February 2014 & advocated policy-scenario 'D' to the Chinese Government, saying: -

"A target of limiting warming to 1.5 degrees is feasible, the principal requirement is fossil fuel emissions peak in 2020 & then come down at 2% a year with 100 Gt C drawdown from improved forestry & agriculture."

Both emissions budgets shown here are calculated from what was only descriptive text in his paper. The weight or volume difference between budgets 'A' & 'D' is very large (516 Gt C - 171 Gt C = 345 Gt C). The corresponding weight difference shown between ppmv paths is 196 Gt C with an av. Airborne Fraction of Emissions 'D' (2000-2100) at ~30%.

Hansen has declined to share his calculations beyond referring enquirers to the charts & text shown in his paper. His court case against the US Government demanding they start cutting emissions by 6%/yr is based on this paper.

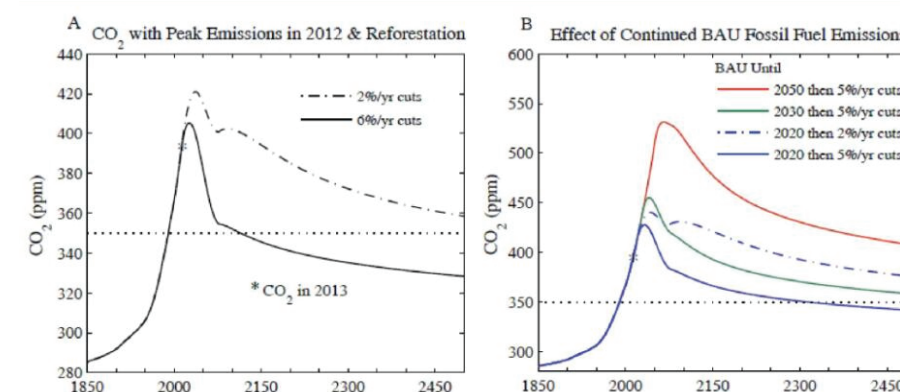


Figure 5. Atmospheric CO₂ if fossil fuel emissions reduced. (A) 6% or 2% annual cut begins in 2013 and 100 GtC reforestation drawdown occurs in 2031-2080, (B) effect of delaying onset of emission reduction. doi:10.1371/journal.pone.0081648.g005

* <http://www.plosone.org/article/fetchObject.action?uri=info%3Adoi%2F10.1371%2Fjournal.pone.0081648&representation=PDF>