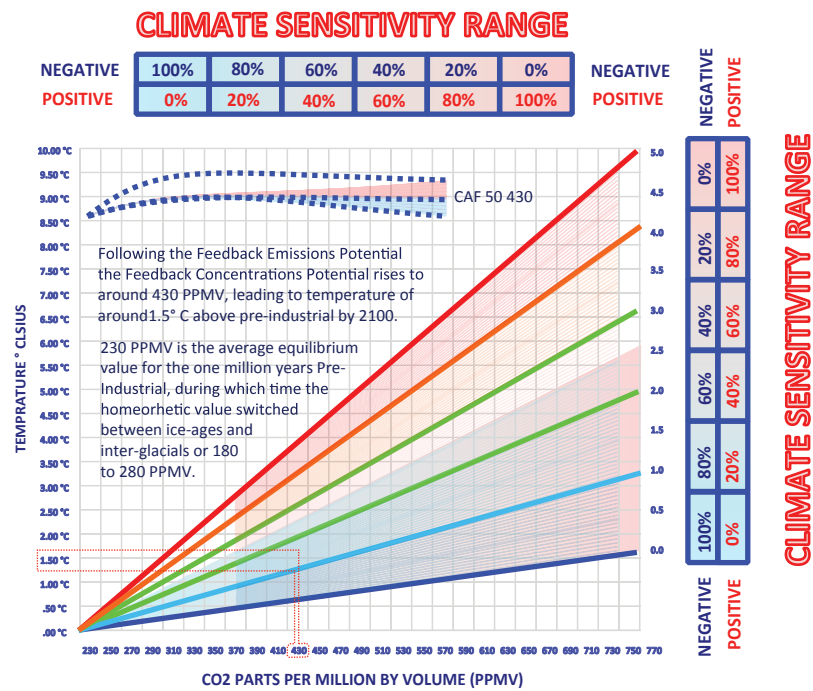
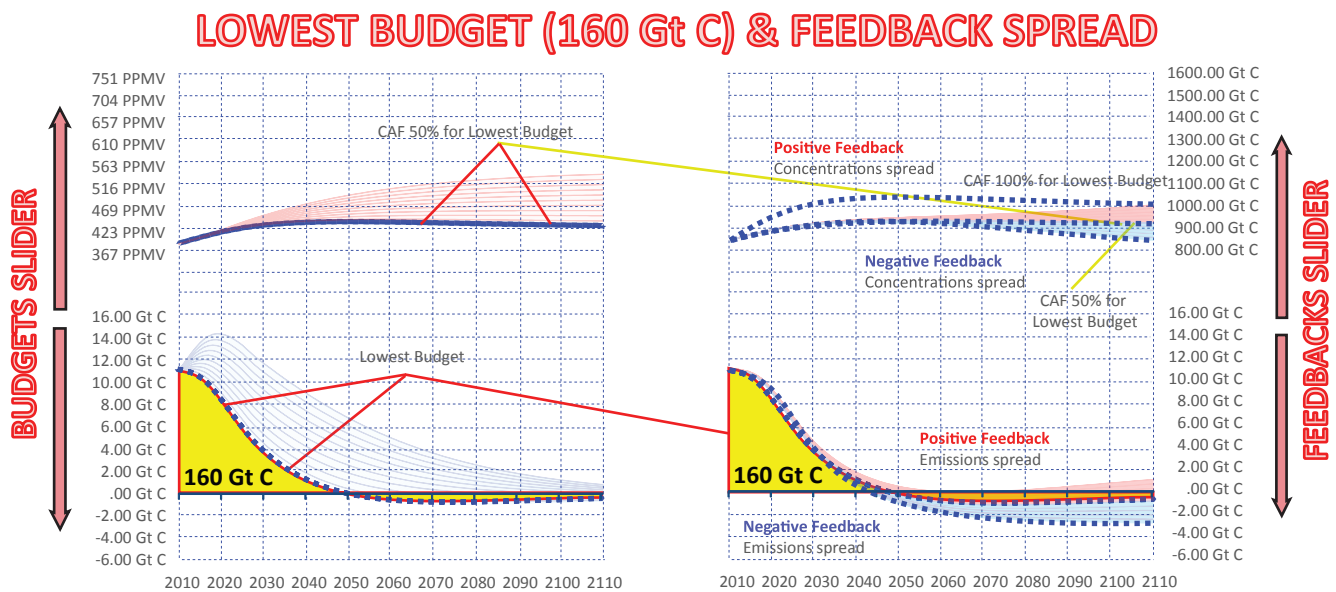


At present Grey Growth is trumped by Climate-related Damages. If there's to be 'growth' it must clean & green.

In 2014, AVAAZ issues a call for 100% renewable energy sources by 2050.

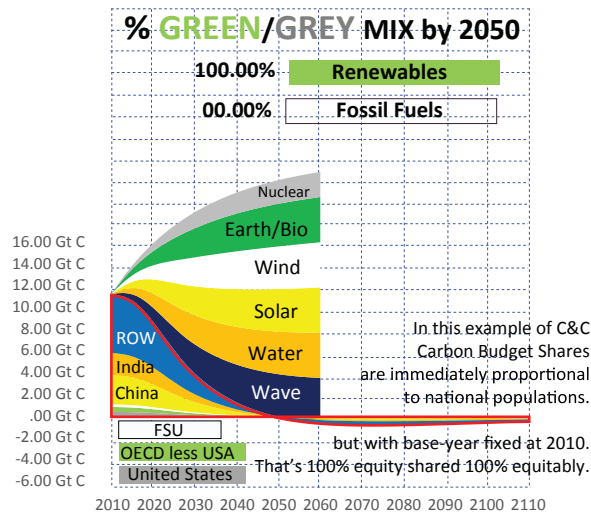
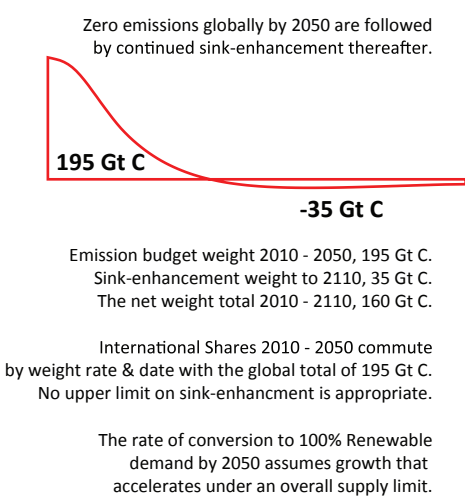
This requires a global carbon budget of 160 Gt C with zero emissions by 2050. If damages are to be contained thereafter, concentrations must fall towards 350 PPMV by 2100; so large-scale enhancement of natural sinks will also be necessary.

This sets the Ball-Park in which we should be planning/legislating for UNFCCC-Compliance  
Budget-proposals of 350-400 Gt C propose rates of change that are too-little too-late.



160 Gt C C&C Fossil Fuels Budget Conversion to Green Growth E&D Renewables '100% by 2050'

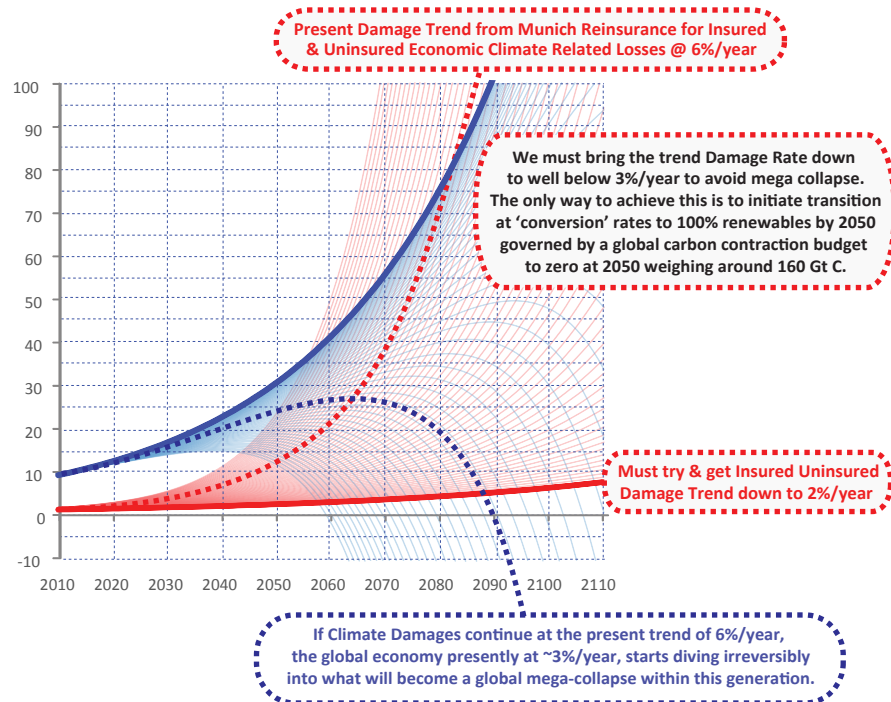
'Grey Economic Growth' Trend @3% Minus Climate Damage Trend @6%  
We must change these trends to avoid permanent mega-collapse.



With a 160 Gt C Budget  
CAF 50 is 430 PPMV by 2040.

Within a Climate Sensitivity range, adjusted for Positive Feedback potential,

- \* concentration equivalent rise is below 430 PPMV
- \* potential temperature rise is to around 1.5° C by 2100
- \* the rate of climate damages does not exceed the rate of growth
- \* the risks of runaway rates of climate change are not substantially increased throughout the 21st Century.



Cynical as I am, this is not really for Christmas, its for the kids. Every mother has got kids whose futures they care about.

So with their projection of 100% renewables by 2050, AVAAZ offer a lead that carbon-budget, carbon-tax, carbon-sequestration, carbon-trade, carbon-alternatives, zero-carbon enthusiasts/cynics and others (even musicians) can follow.

AVAAZ's stated goal defines a ball-park of 'doing enough soon enough' in which we all can party, weep, schmooze, count, plan, propagate, and even legislate for UNFCCC-Compliance.

This way we can feel good about the fact that, as it is at rates that will give the kids a chance, it makes all the efforts worthwhile (and that's the point).

The 100s of 1,000s of signatures AVAAZ have attracted in support of their petition helps too.

[https://secure.avaaz.org/en/100\\_clean\\_share\\_2\\_/?wQmlncb](https://secure.avaaz.org/en/100_clean_share_2_/?wQmlncb)