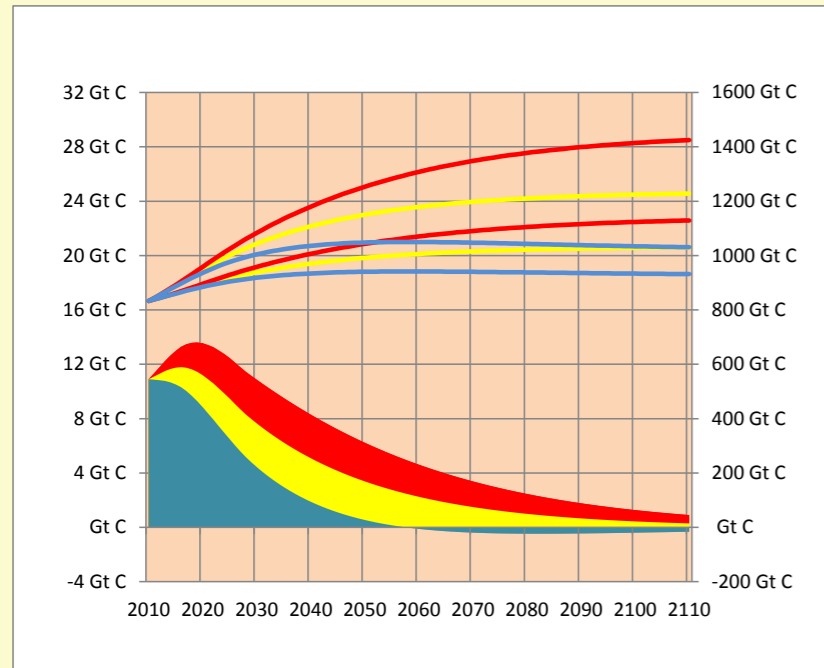


3 BUDGETS HIGH MEDIUM LOW



FEEDBACKS INTEGRATED

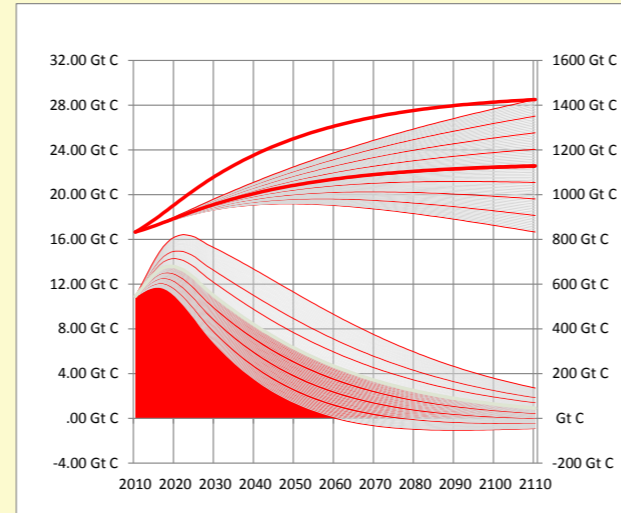
non-feedback human emissions

Here, down the left-hand side, are non-feedback human emissions are shown, over which we theoretically still have some control.

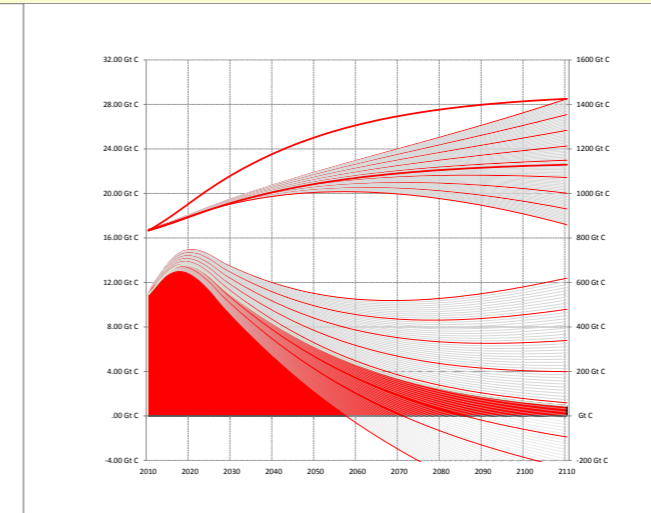
The way these budgets are being drawn by the policy community e.g. in the UK Climate Act shows carbon-integrals as human budgets that fall over time.

However, any feedback emissions are not separated from the human 'emissions-control-budgets' and so there is no way of determining the quantum of the division into human-budget emissions and non-human feedback emissions. and so there is no way of measuring 'progress'

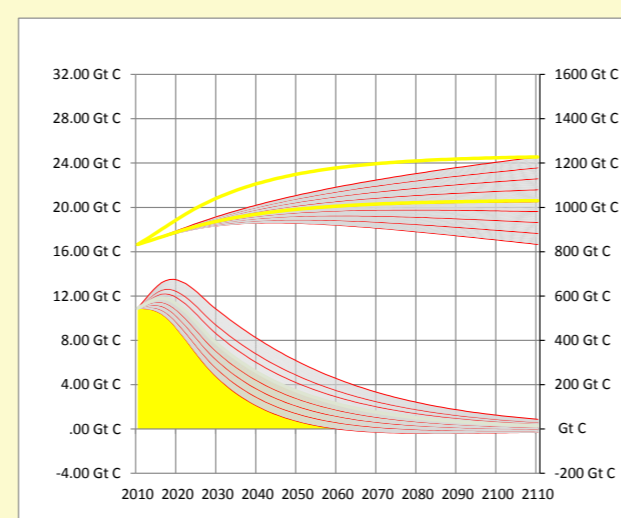
HIGH BUDGET FEEDBACK INTEGRATED



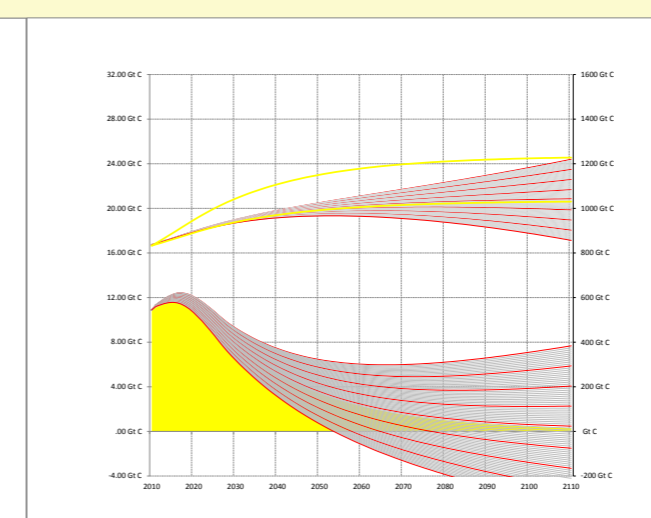
HIGH BUDGET FEEDBACK SEGREGATED



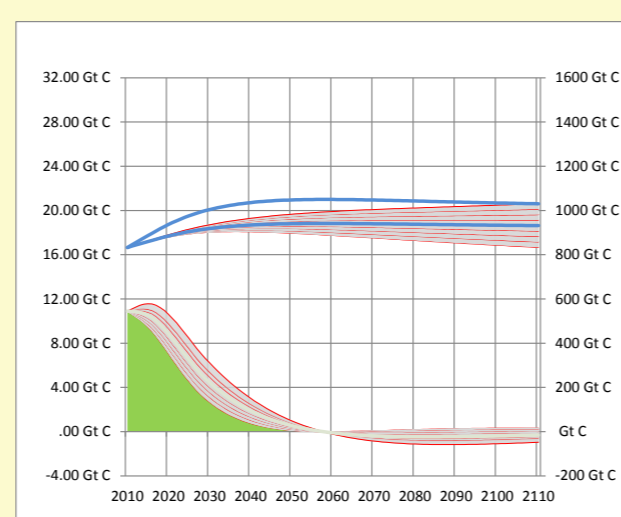
MEDIUM BUDGET FEEDBACK INTEGRATED



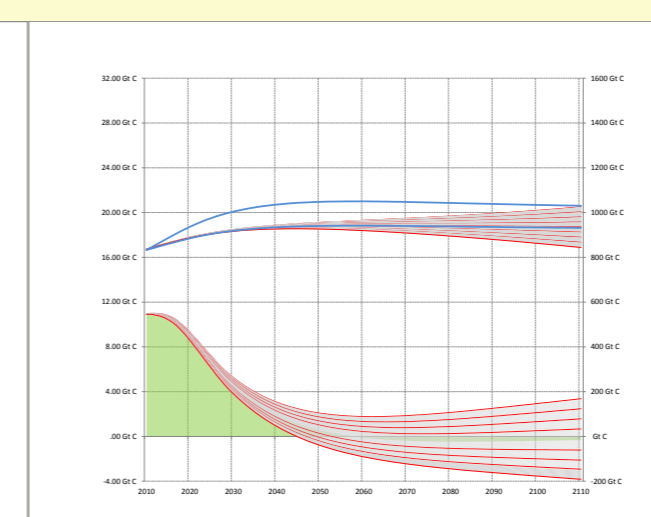
MEDIUM BUDGET FEEDBACK SEGREGATED



LOW BUDGET FEEDBACK INTEGRATED



LOW BUDGET FEEDBACK SEGREGATED



FEEDBACKS SEGREGATED non-human feedback-emissions

Here, down the right-hand side, are non-human feedback emissions are shown, over which we have no control whatsoever.

The way these budgets are being drawn by GCI e.g. in the Carbon-Budget Analysis Tool [C-BAT] carbon-integrals are fixed human budgets that fall over time alongside non-human feedback emissions that rise over time; the acceleration curves [curves that are concave] of emissions and concentrations can clearly be seen, as in contrast to the deceleration curves [concentration curves that are convex & emissions curves that are asymptotic] on the left-hand side.

Any feedback effects are separated from the budgets and so there is a way of determining the quantum of the division into human-budget emissions and non-human feedback emissions.

We can only pose rates of release of these as an informed risk judgement. Waiting until there is 'empirical evidence' from feedback data recorded after the fact will be too late.

This is vital, as the the non-human feedback emissions have the potential to overwhelm the non-feedback human emissions in the 'emissions-budget-control' e.g. in the UK Climate Act.

As we measure better the rate of feedback emissions it will become clear and indeed it is already completely clear that the only way of avoiding a runaway effect.

**Check C-BAT Model for USER-CONTROL
CHOICE of FEEDBACK RATE**