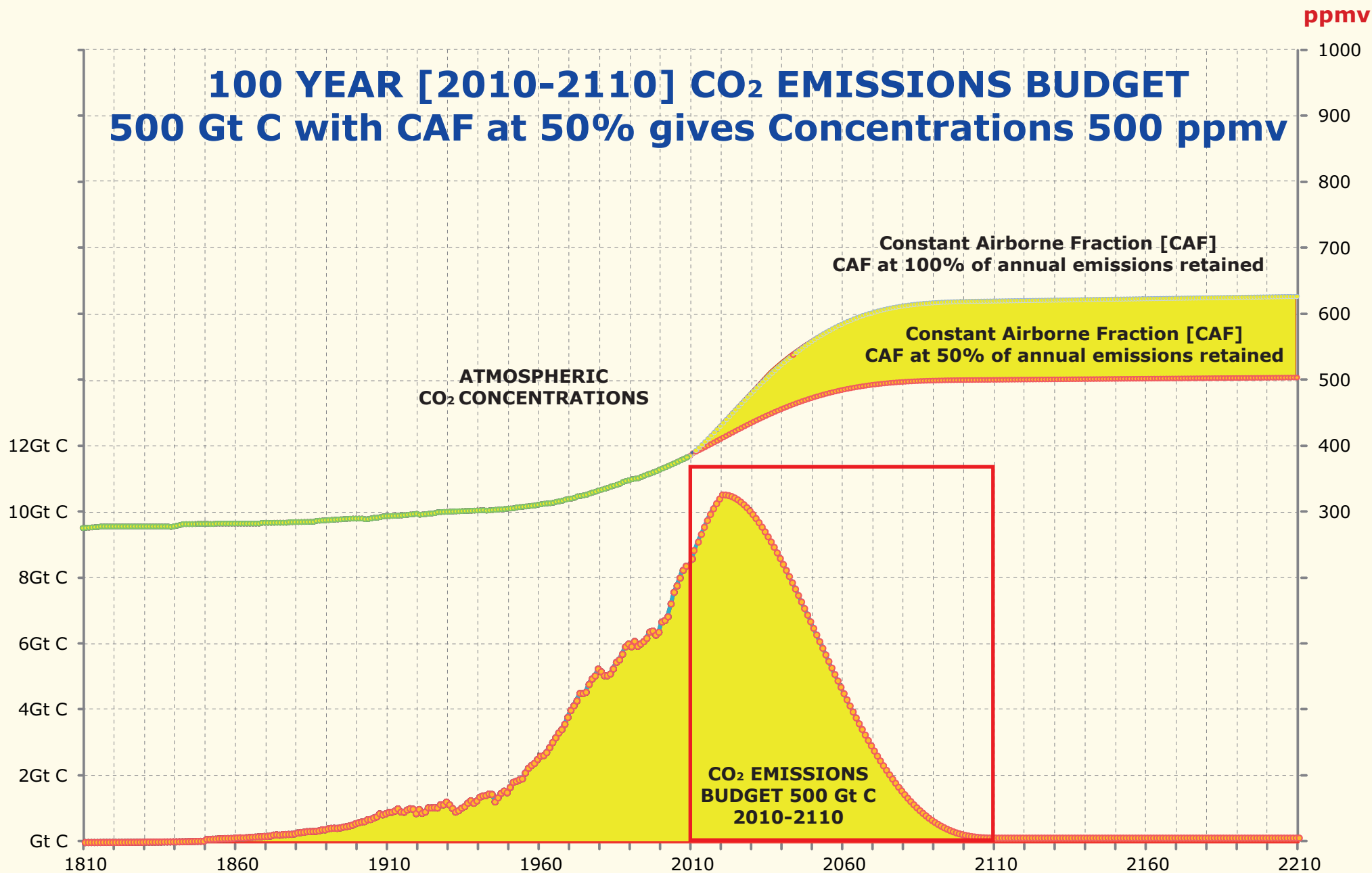


100 YEAR [2010-2110] CO₂ EMISSIONS BUDGET

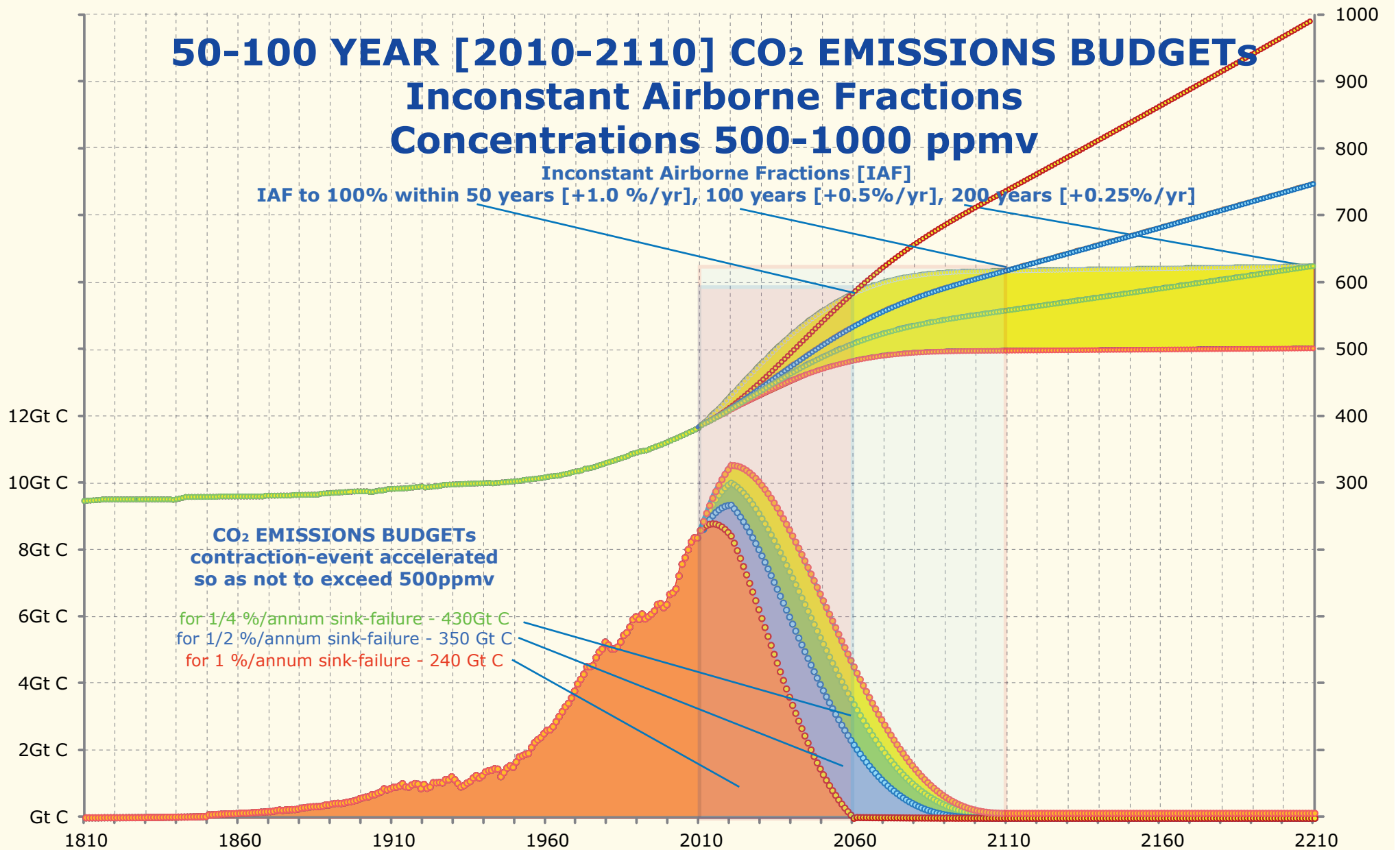
500 Gt C with CAF at 50% gives Concentrations 500 ppmv



50-100 YEAR [2010-2110] CO₂ EMISSIONS BUDGETS

Inconstant Airborne Fractions Concentrations 500-1000 ppmv

Inconstant Airborne Fractions [IAF]
IAF to 100% within 50 years [+1.0 %/yr], 100 years [+0.5%/yr], 200 years [+0.25%/yr]



CO₂ EMISSIONS BUDGETs
contraction-event accelerated
so as not to exceed 500ppmv

- for 1/4 %/annum sink-failure - 430 Gt C
- for 1/2 %/annum sink-failure - 350 Gt C
- for 1 %/annum sink-failure - 240 Gt C

The UK Government's CLIMATE ACT has Carbon-Budget '2016 4% Low' [480 Gt C]

In this they claim that greater than 100% 'Sink Efficiency' is achieved after 2050
[i.e. they claim [unreliably] that sinks will remove more than sources by 2050].

http://www.gci.org.uk/animations/Sources_and_Sinks_UK_Climate_Act.swf

