

CCS Workshop 2007

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Recent EU proposal

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1 . Ultimate target

Rise in surface temperature < 2 deg. C
when compared with pre-industrial level

2 . Corresponding CO₂ concentration

present : 380 ppm

EU proposal : 450 ppm with 50% probability

Source: Communication from the commission of
the council, European Parliament, 10 Jan. 2007

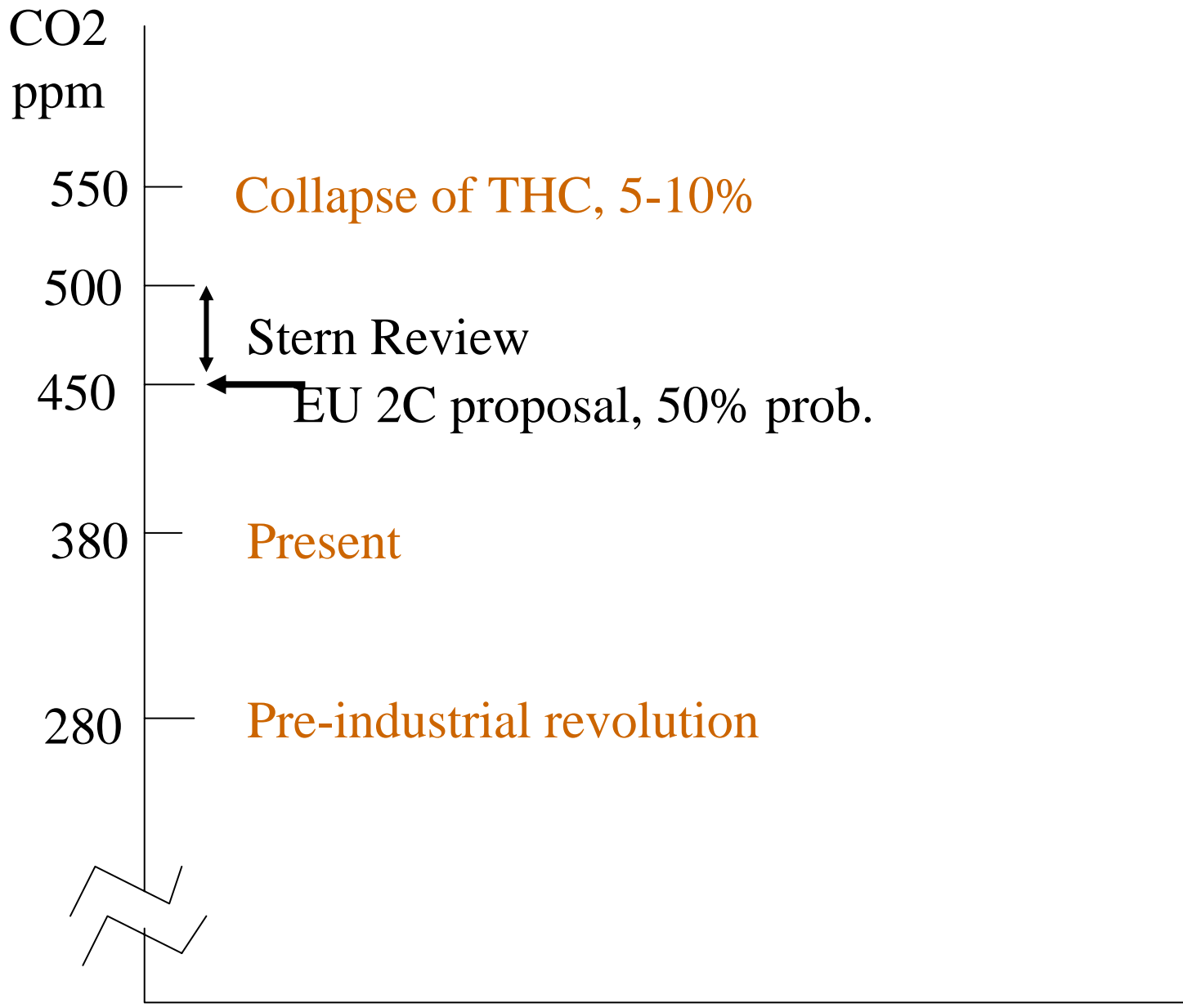


Fig. Level of CO2 stabilization

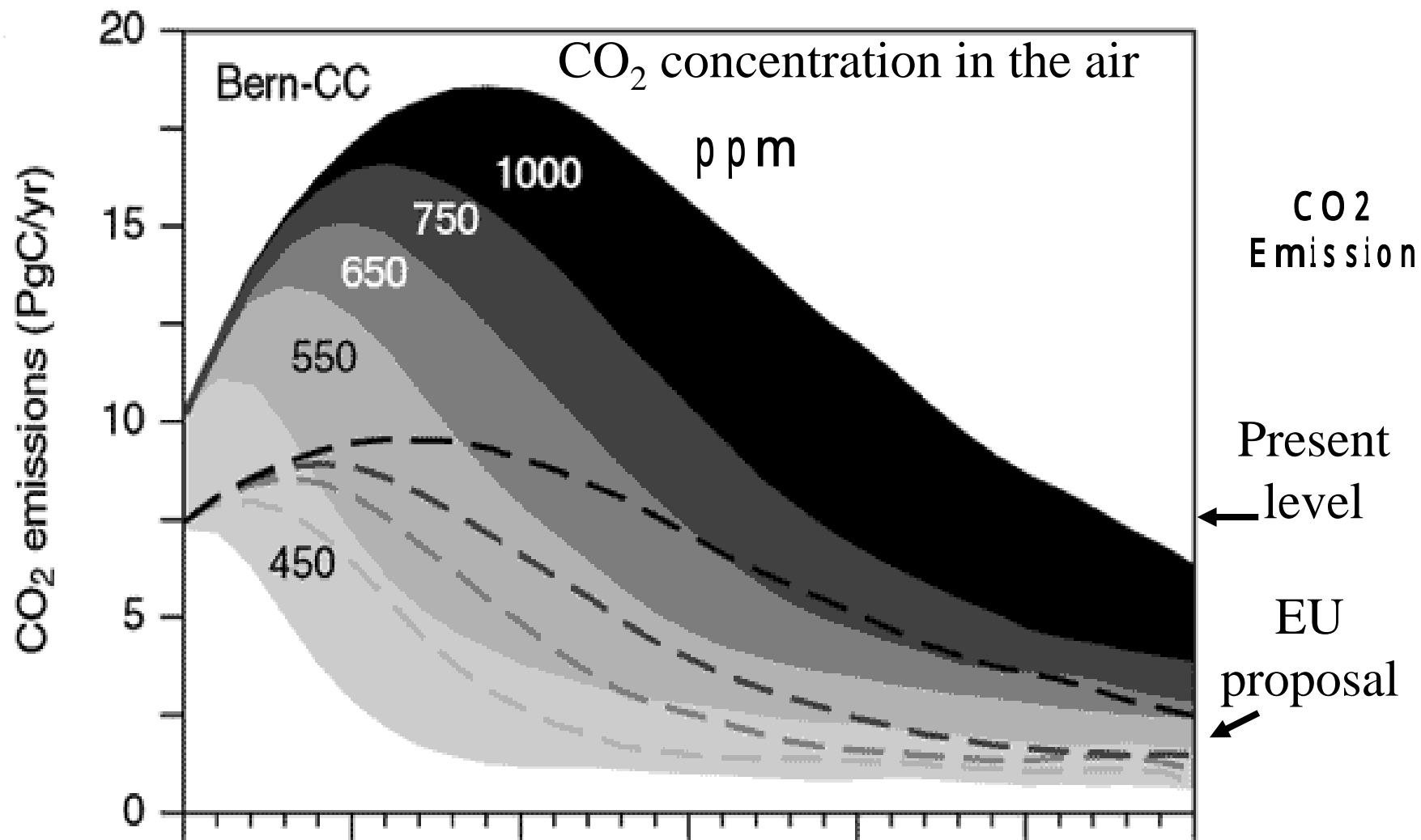
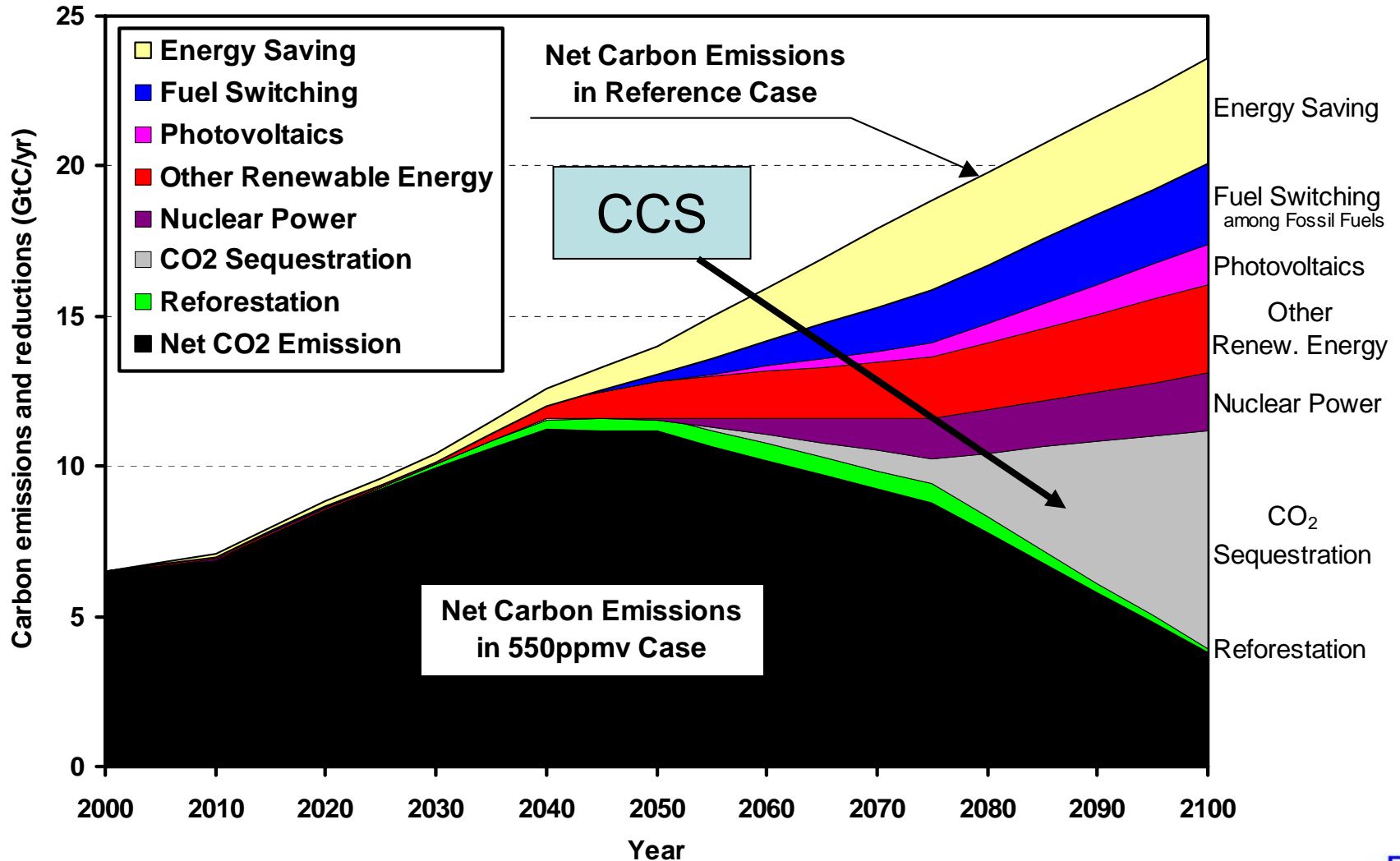


Fig. CO₂ emission for stabilizing its concentration in the air
 Source: IPCC TAR technical summary

Technological Options for 550 ppmv Stabilization



Importance of CCS

1. High feasibility

technologies: mostly known

costs: high but durable

physical potential: large

2. Basic function expected:

technology bridging

present and decarbonized future

(fossil fuels) (nuclear, renewables)