

Long Term Climate Policy Scenarios for Germany

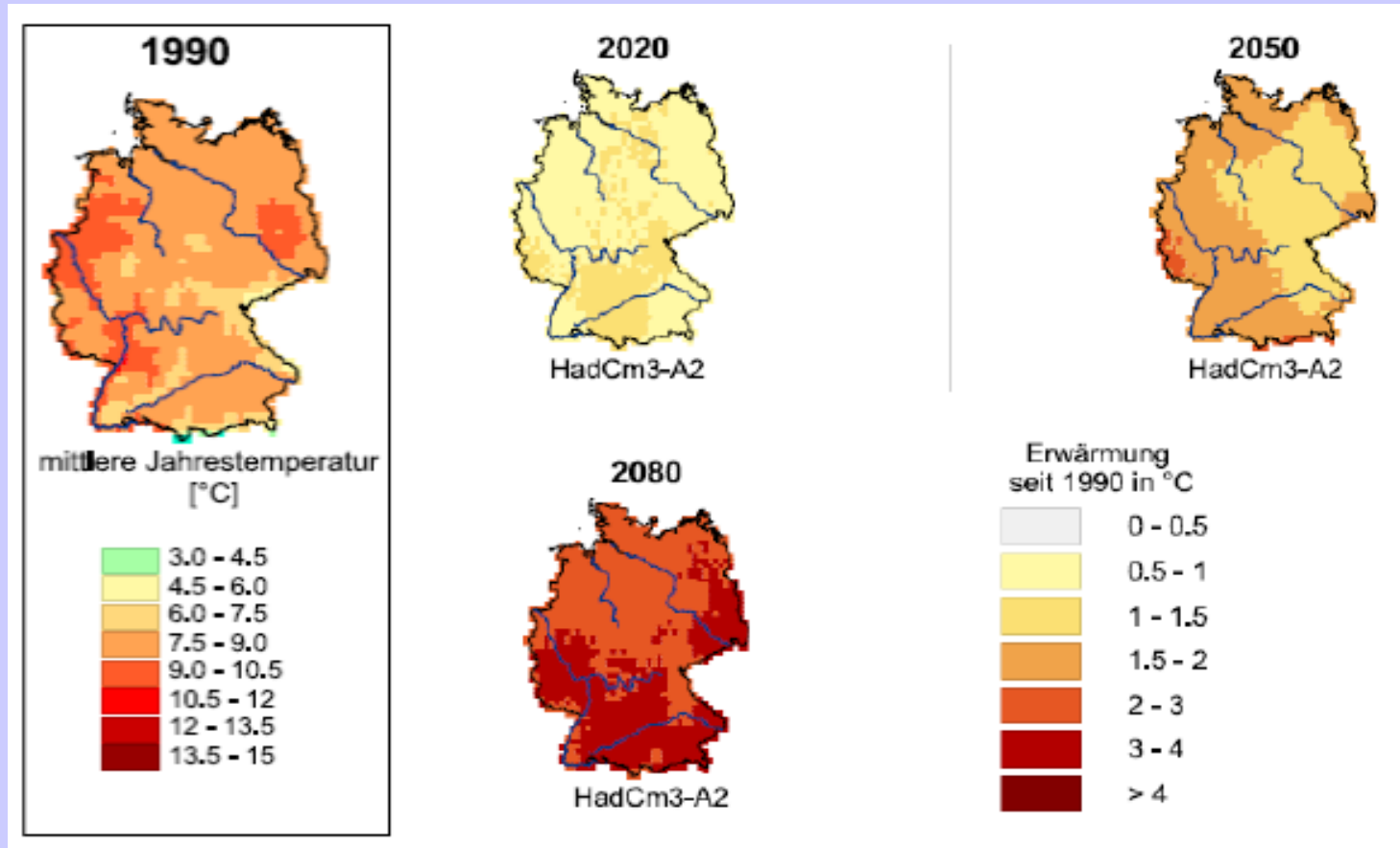
Montreal, 3rd December 2005

Martin Weiß

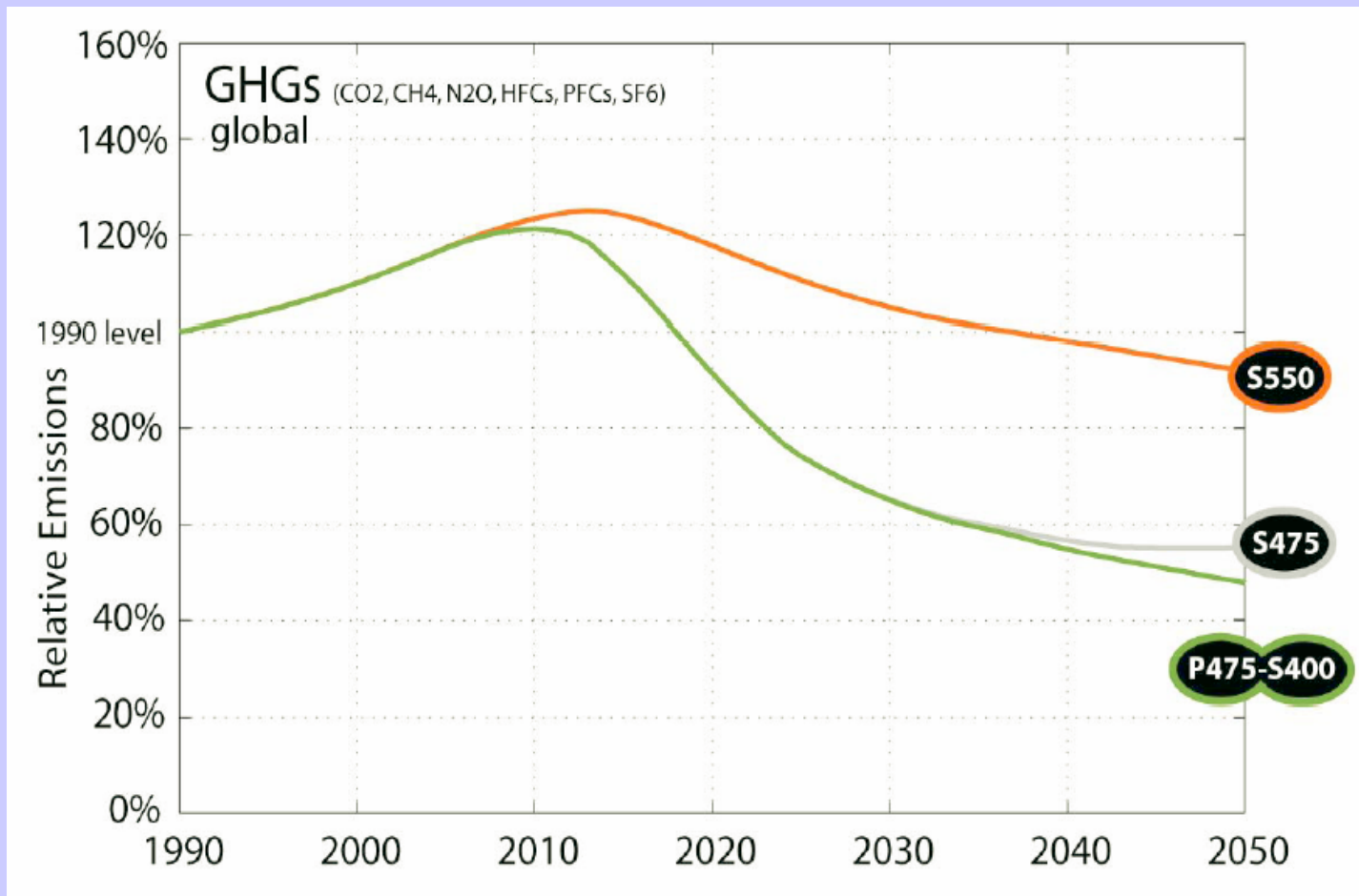
Federal Environment Agency,
Germany



Warming in Germany



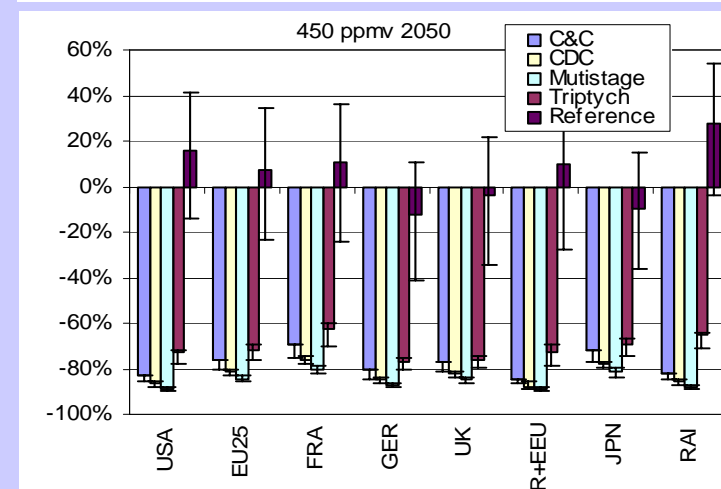
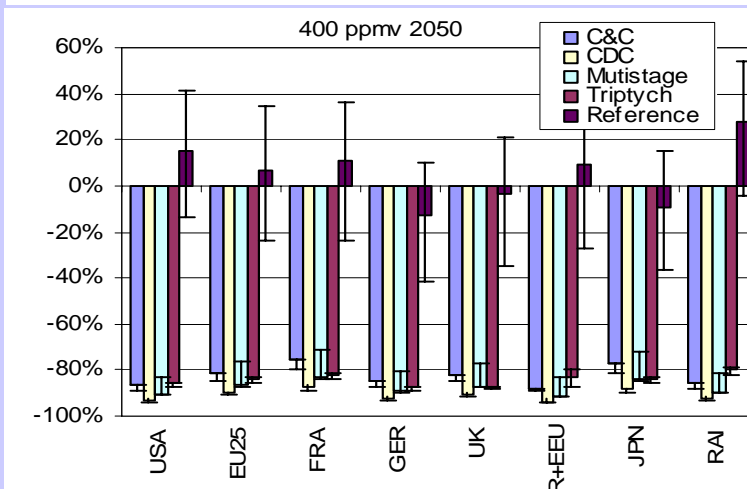
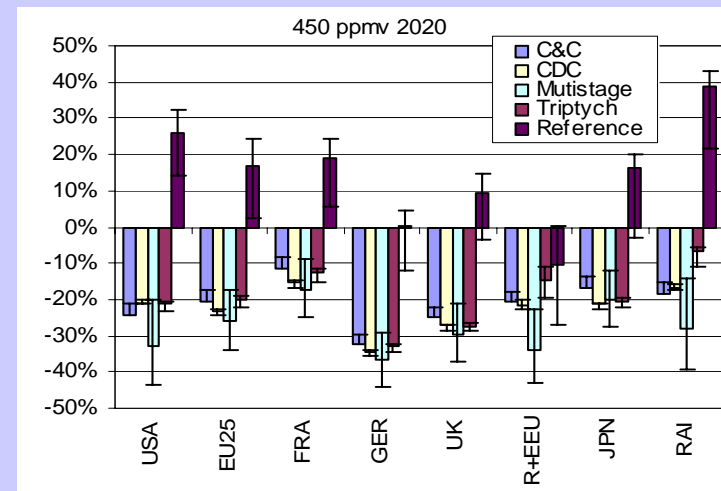
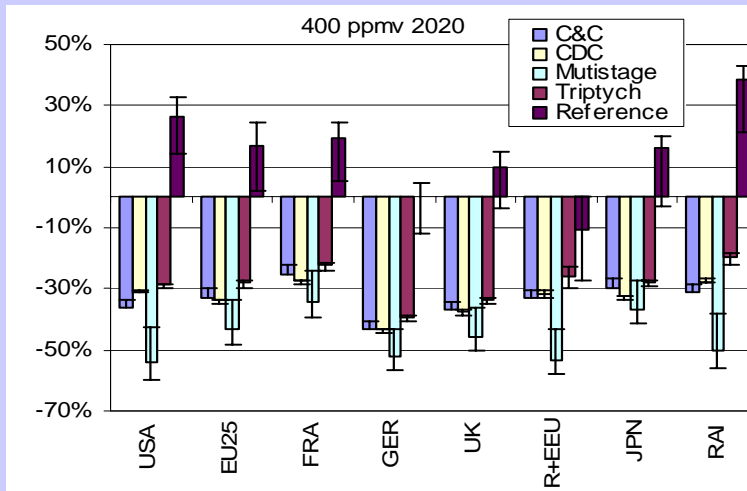
Stabilisation Scenarios



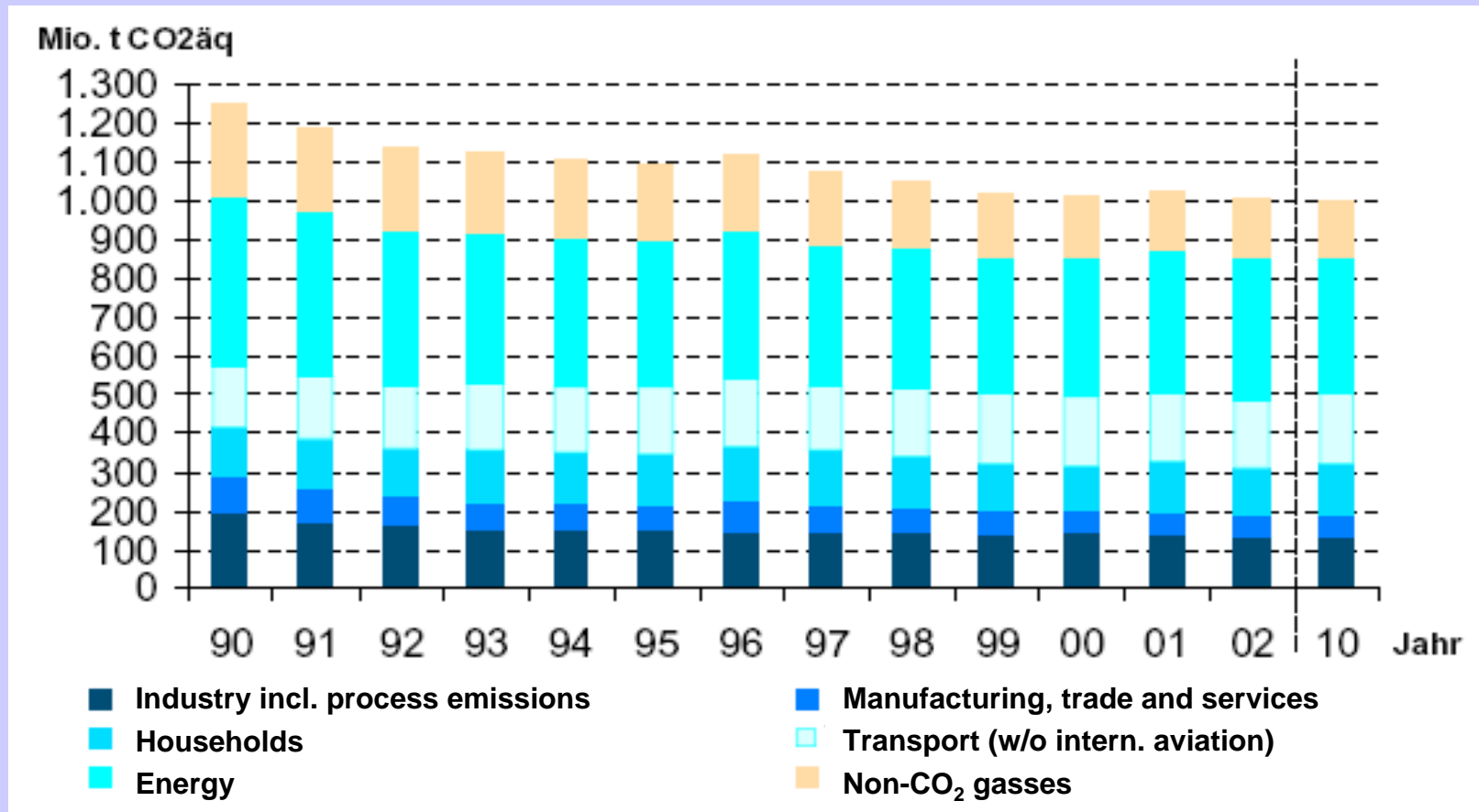
Source: Meinshausen 2005



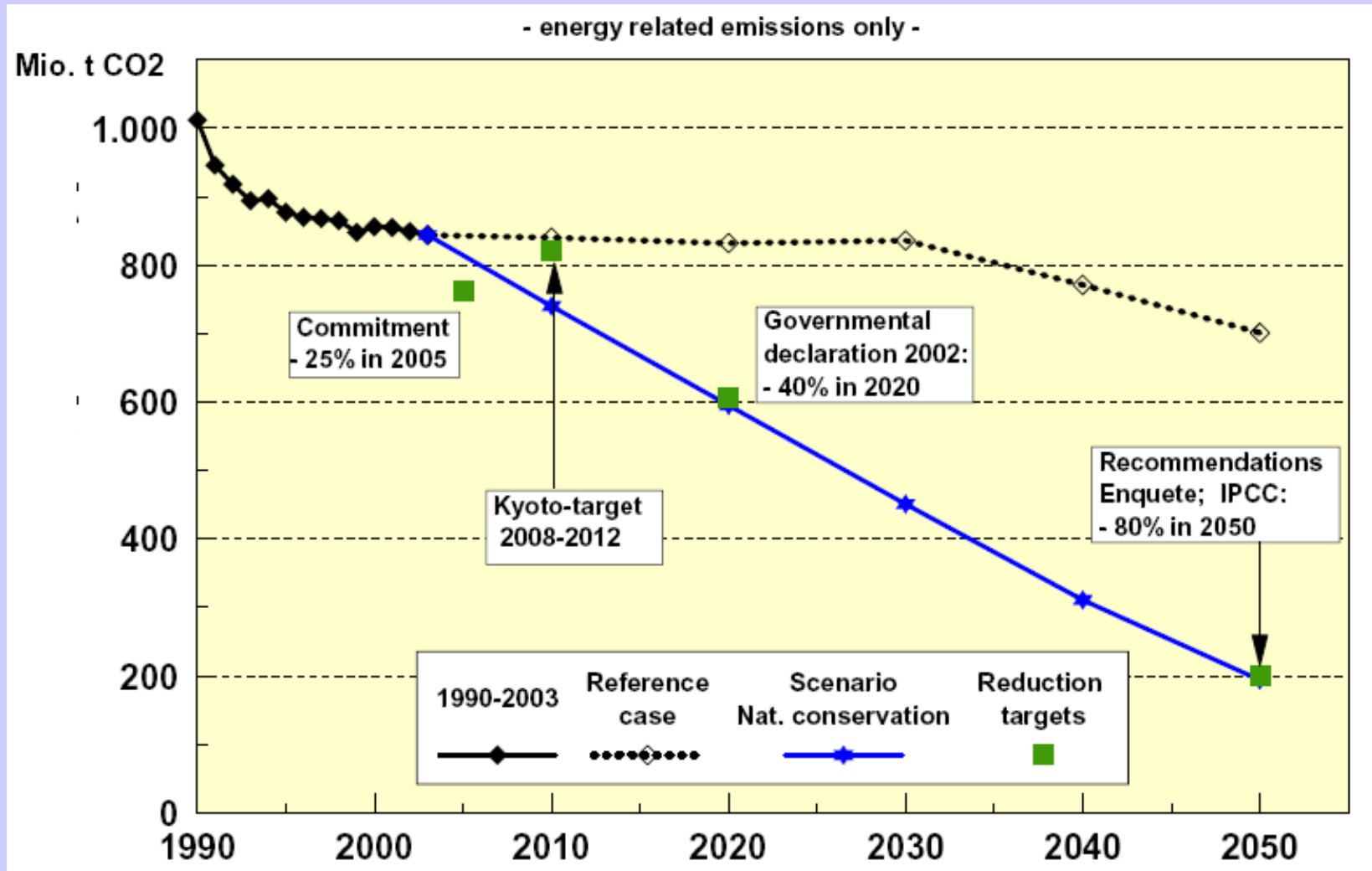
Common but differentiated Responsibility



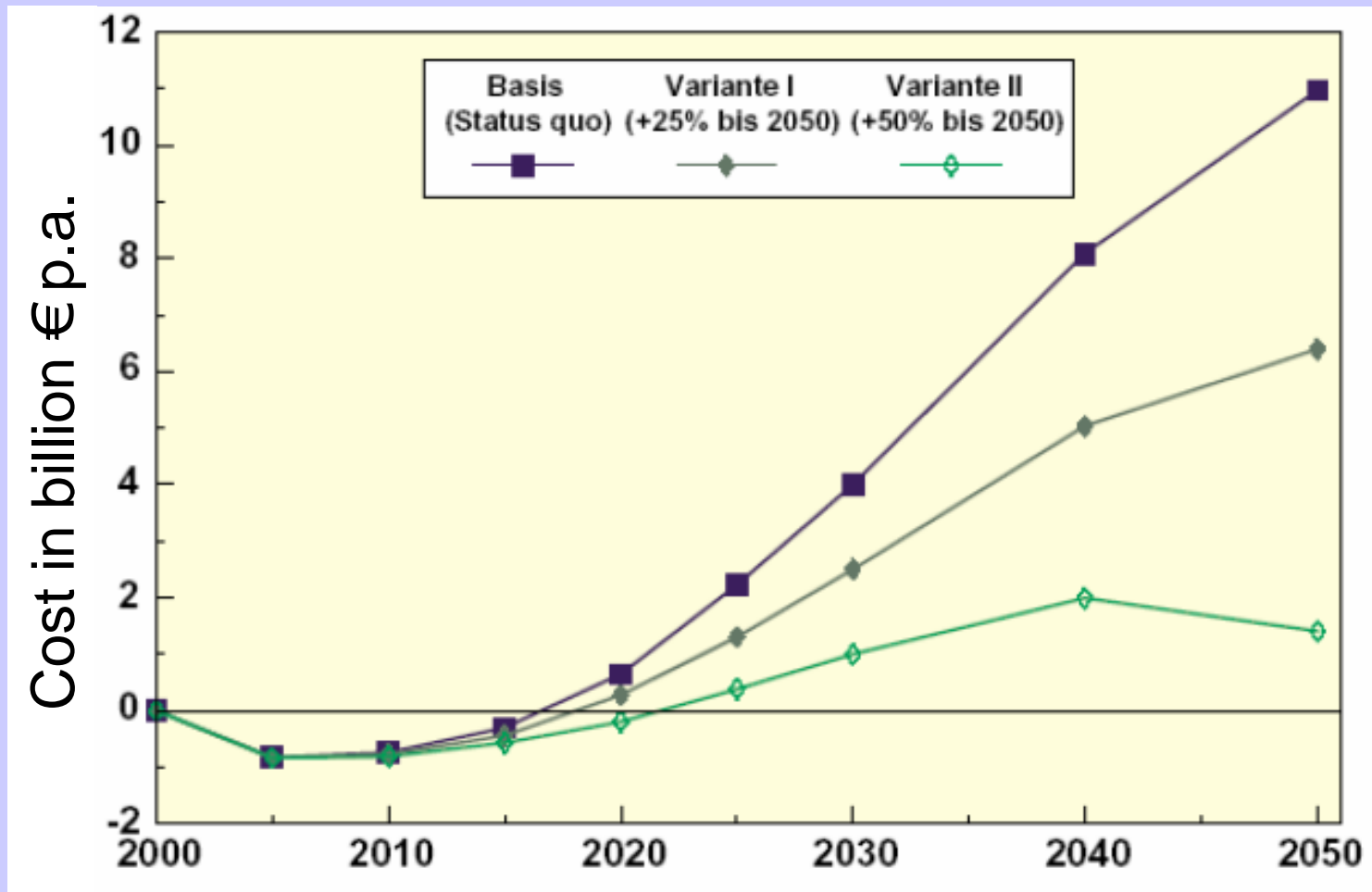
Effect of current policies



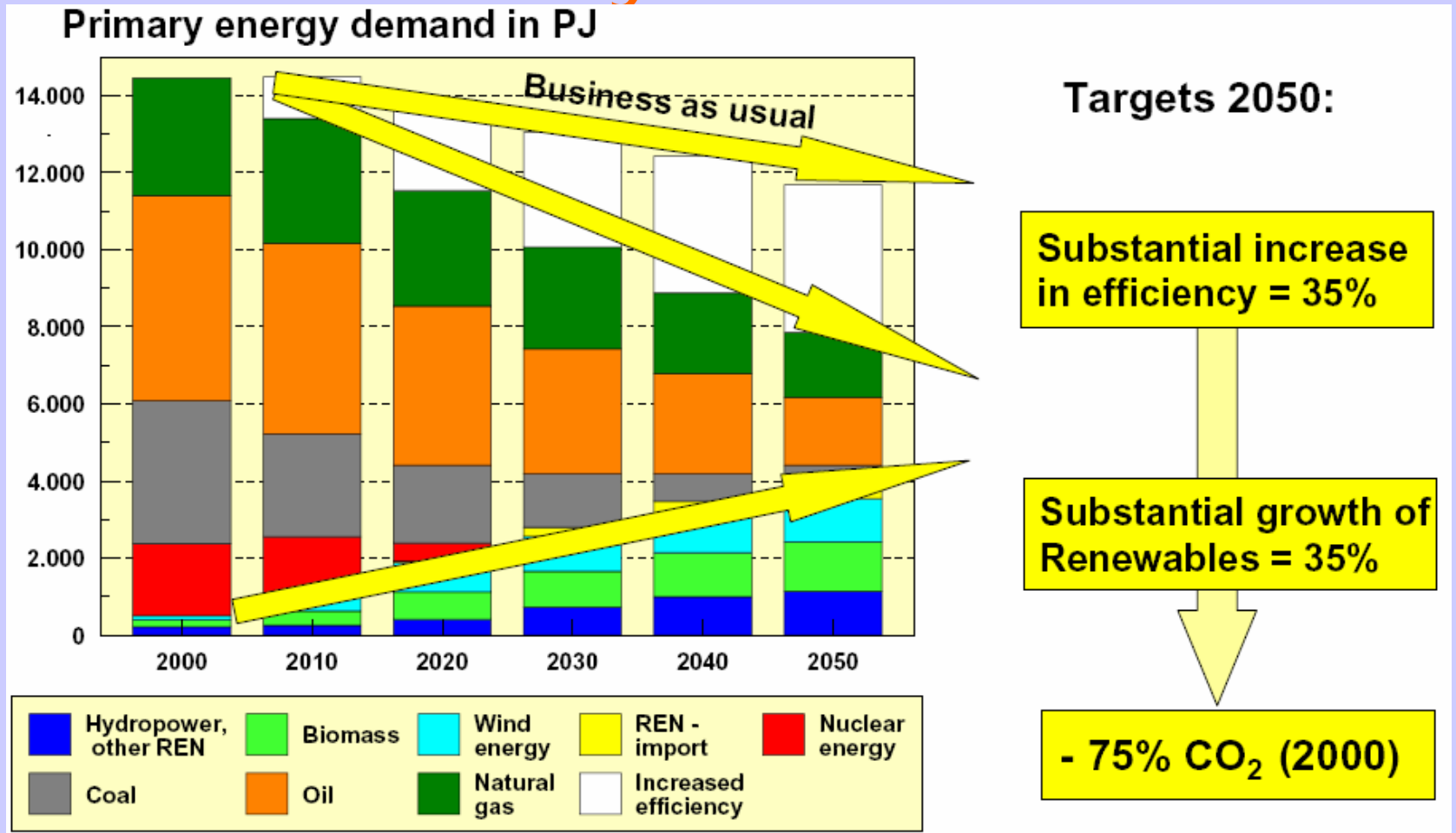
GHG Reduction Targets



Cost is Function of Energy Prices

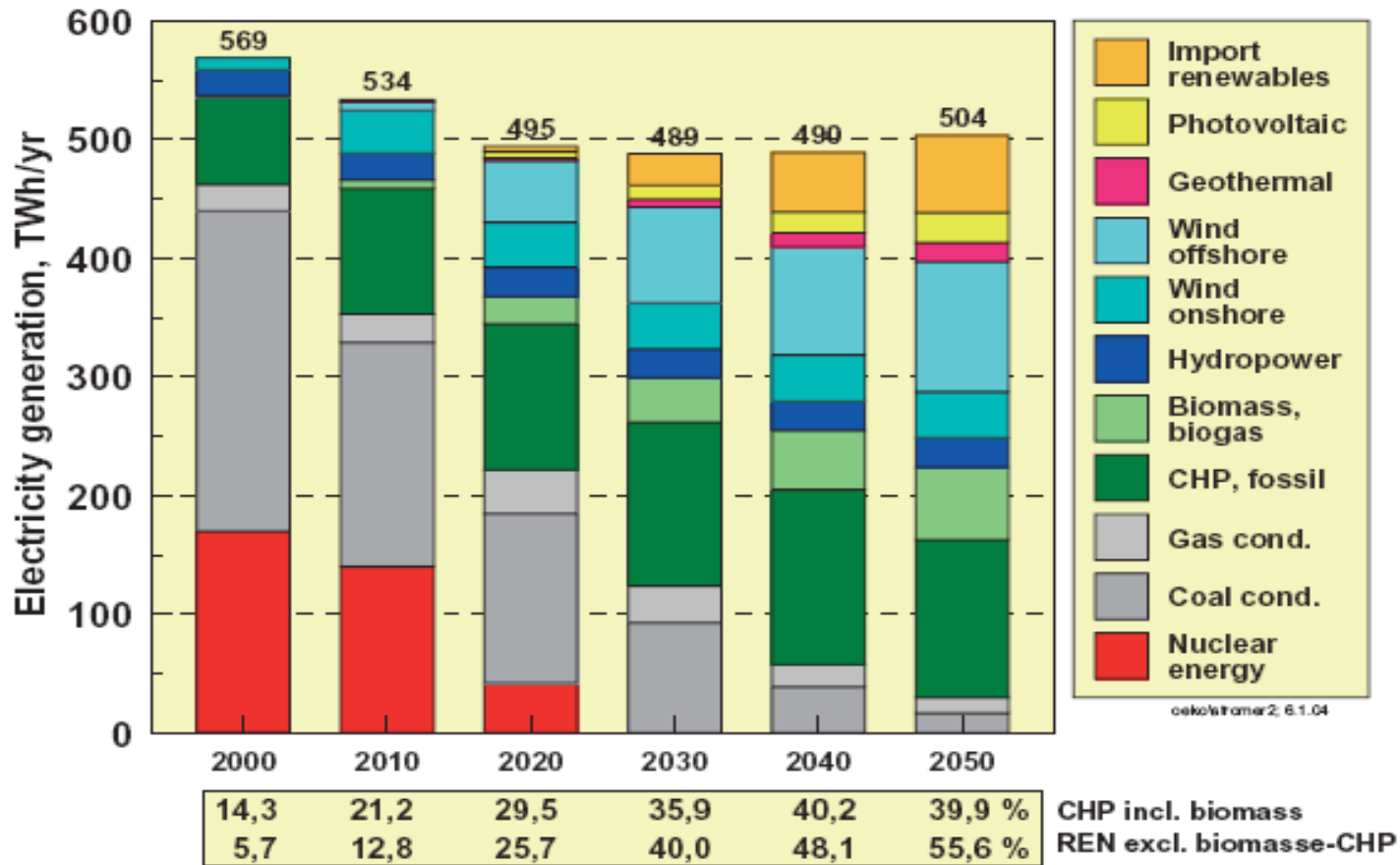


Cutting Energy demand by 50% by 2050

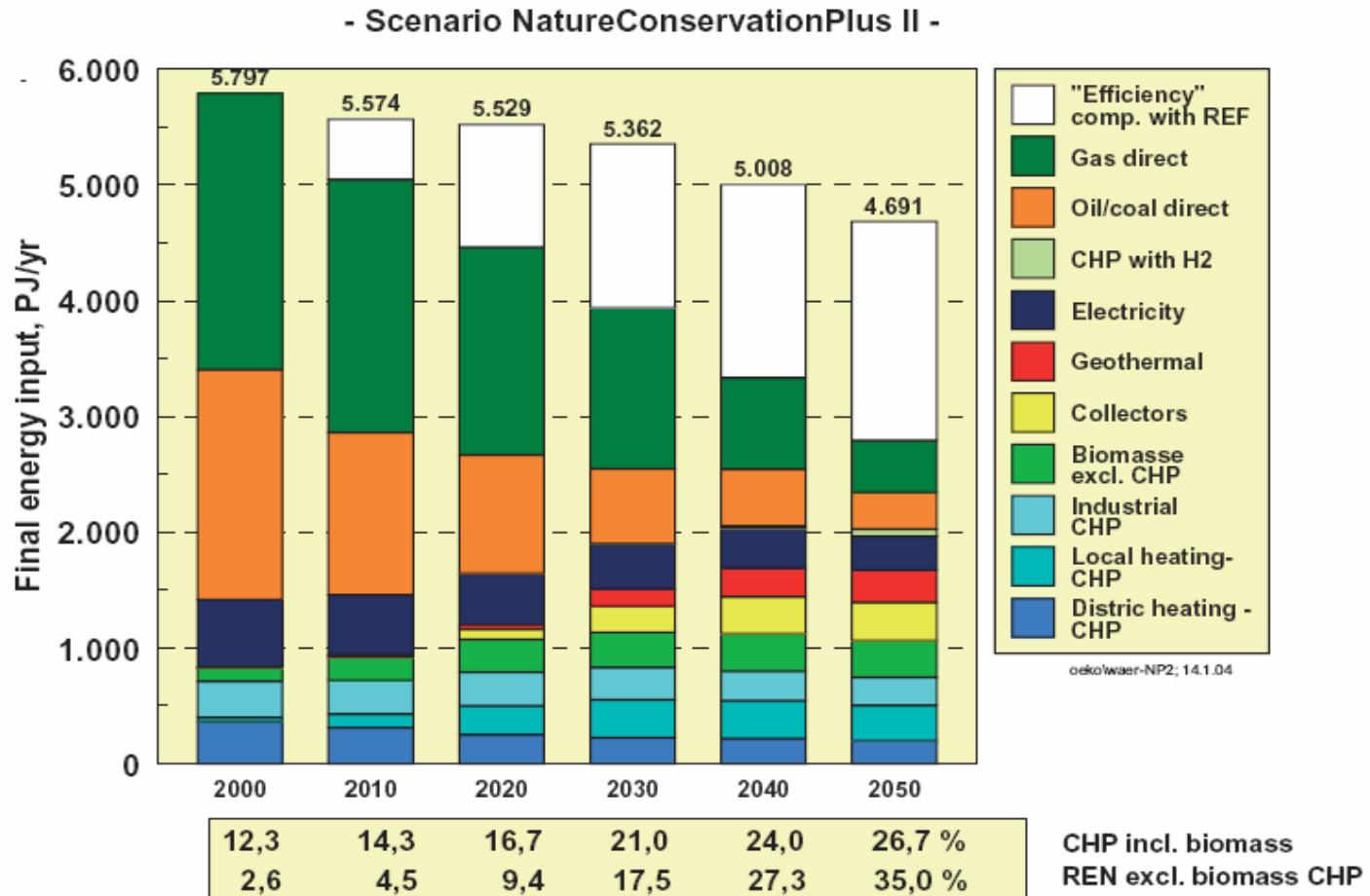


Electricity Supply

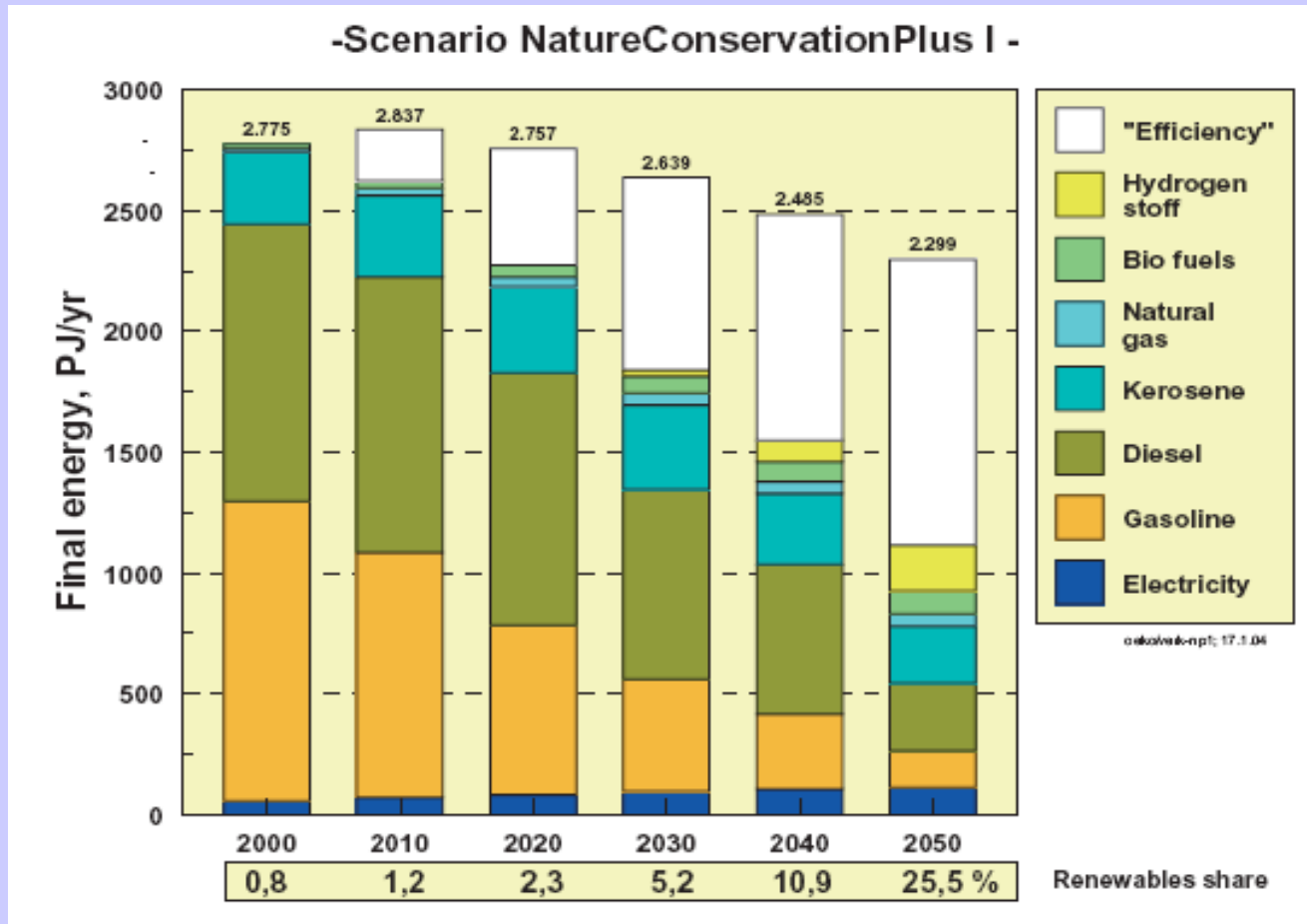
- Scenario NatureConservationPlus I -



Heat production



Transport Fuels



Conclusions

- Germany: 40% in 2020 and 80% in 2050 is technically feasible and economically viable
- Reduce energy demand to 50% and increase share of renewables to 50%
- Success stories: EEG and ETR
- New: Emissions trading has to be strengthened to contribute





Thank You!

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