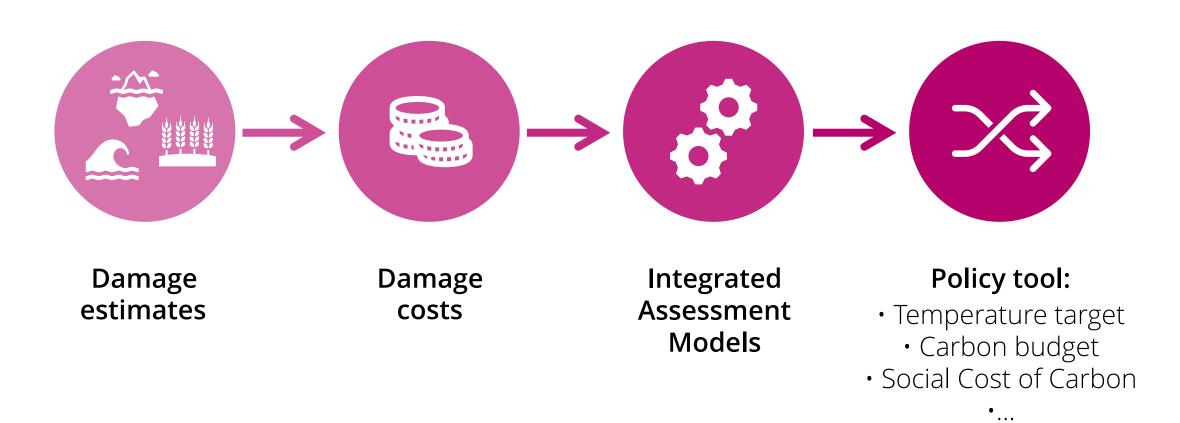


Damage curves and uncertainty assessment

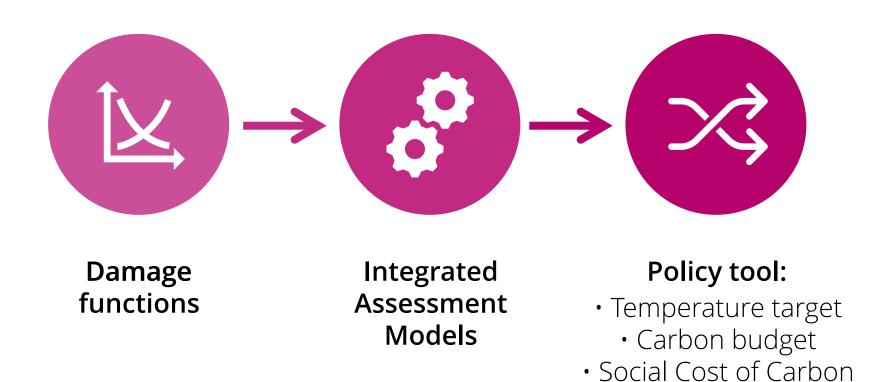
NAVIGATE Expert Workshop, 20 September 2021

Kaj-lvar van der Wijst

Climate impacts and policy



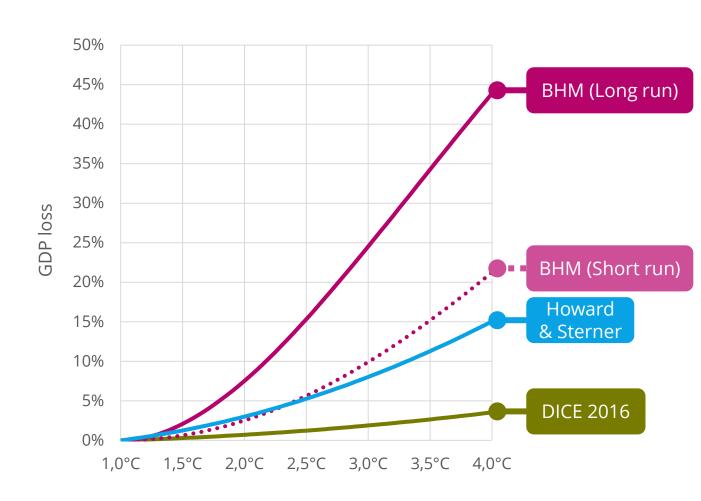
Climate impacts and policy





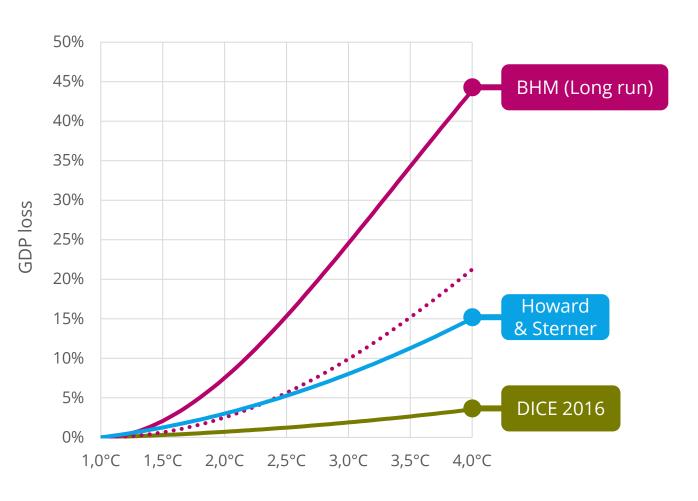
Damage functions: uncertainty

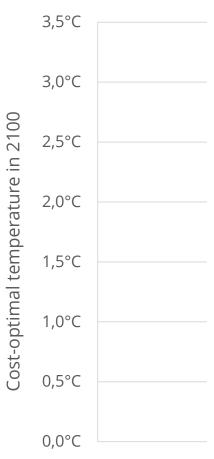
- Traditional CBA models
- Empirical: Burke et al (from GDP growth relation to GDP loss relation)
- Meta-analysis: Howard
- Bottom-up sectorally modelled: COACCH (nog toevoegen)



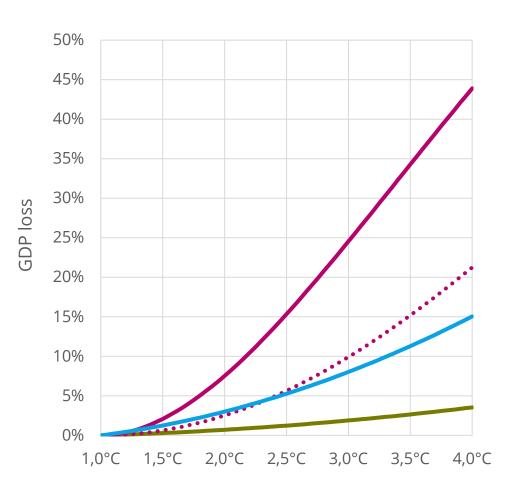


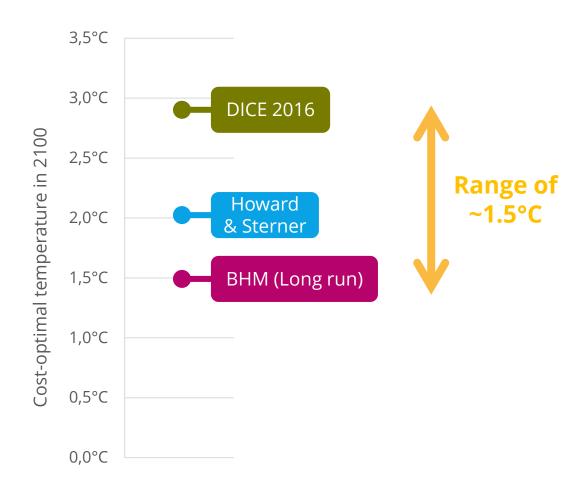
Damage functions: cost-benefit temperature target





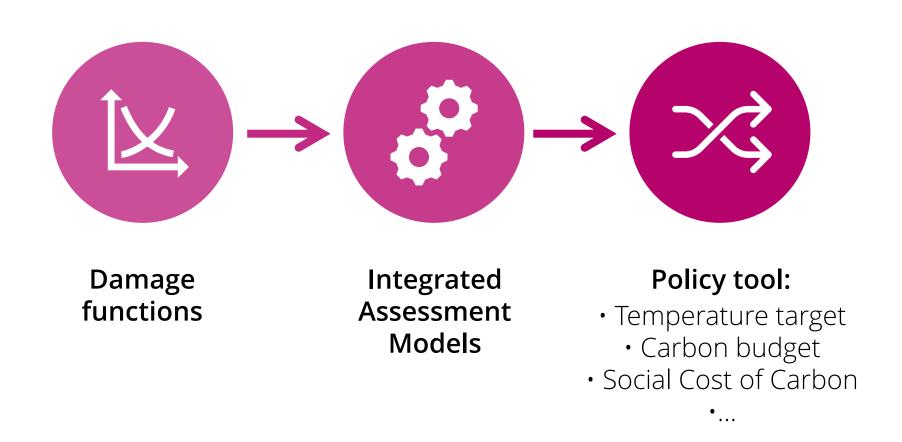
Damage functions: cost-benefit temperature target



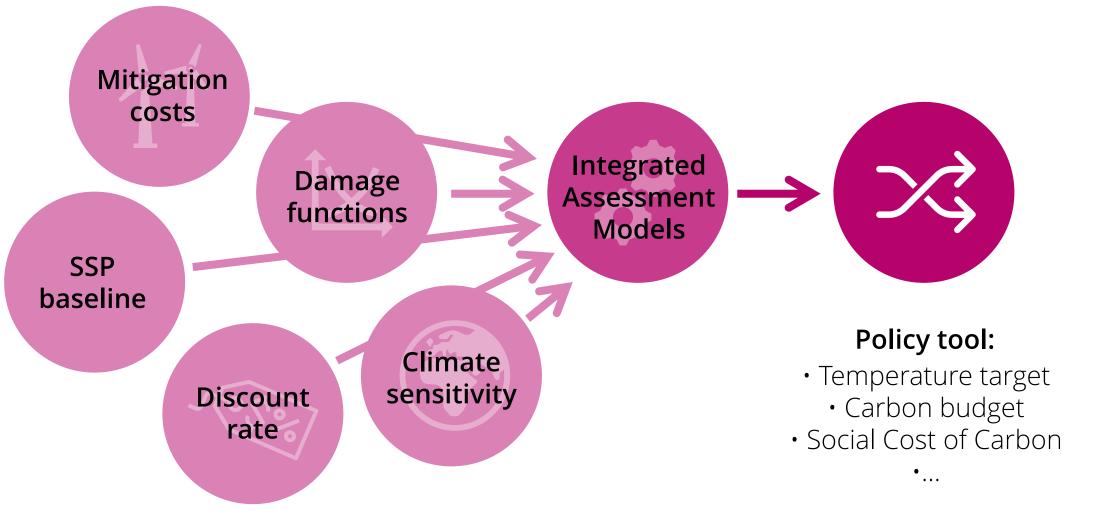




What about other uncertainties?



What about other uncertainties?



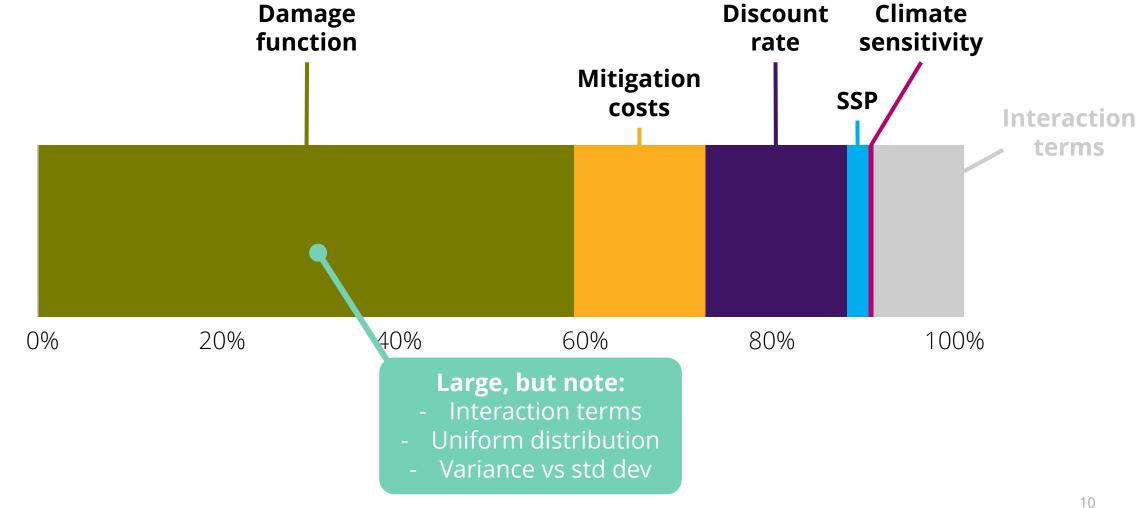


Cost-benefit with other uncertainties

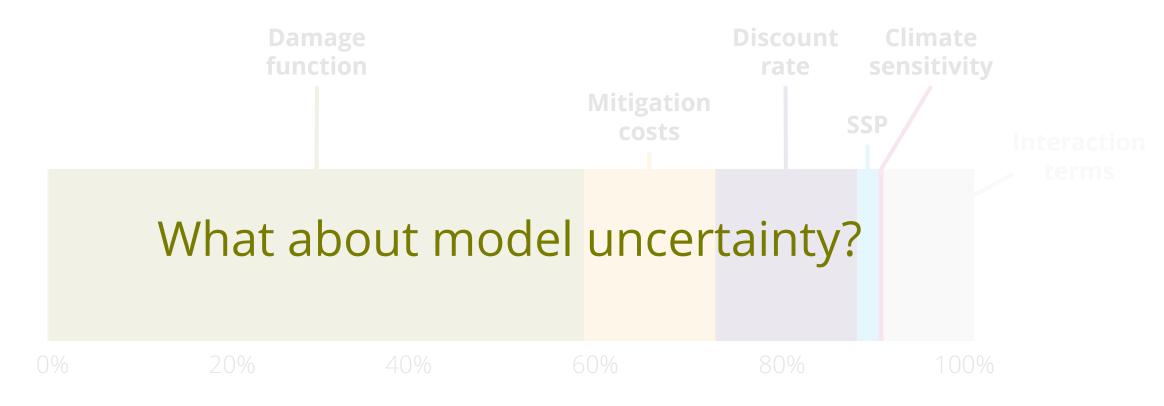




Cost-benefit: variance decomposition

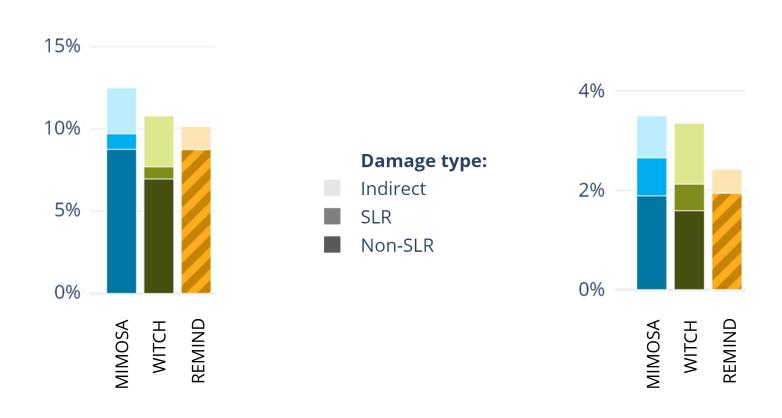


Cost-benefit: variance decomposition

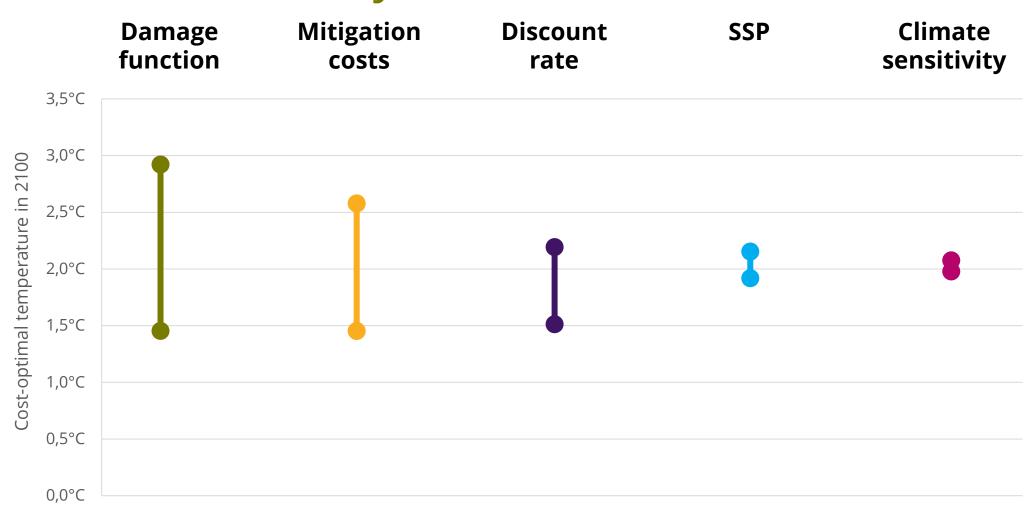


Model uncertainty: fixed temperature path

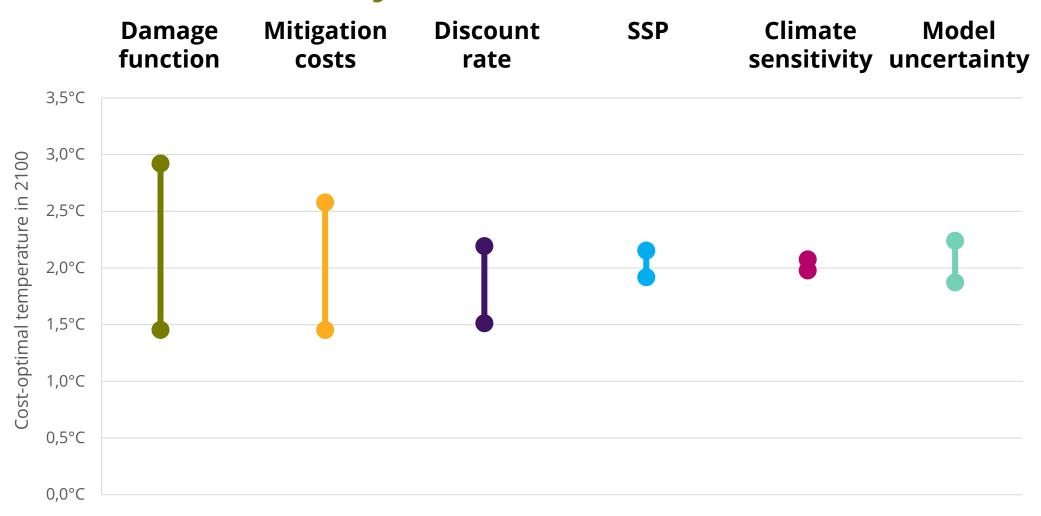
RCP 6.0: RCP 2.6:



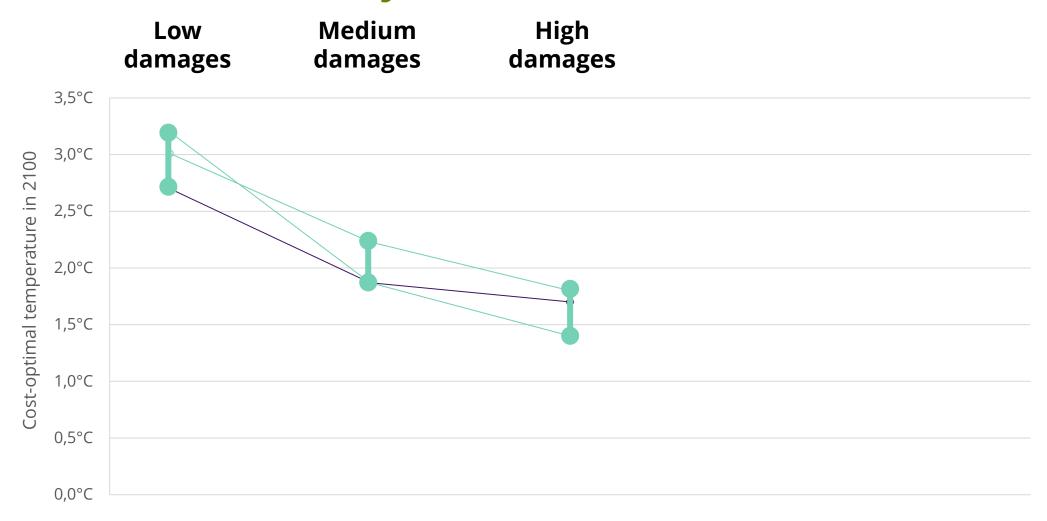
Model uncertainty: cost-benefit



Model uncertainty: cost-benefit



Model uncertainty: cost-benefit





Damage function uncertainty is important

> But maybe a bit stretched