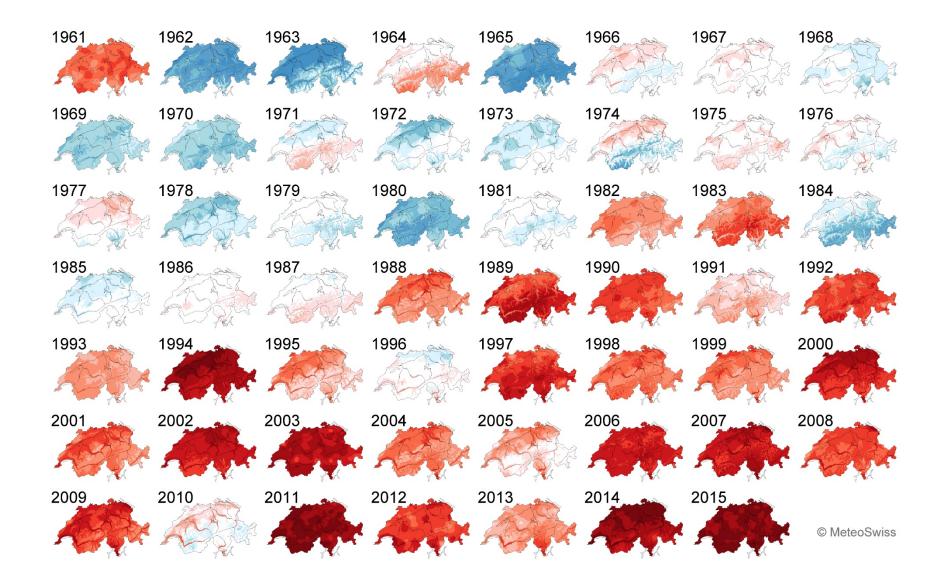
CO₂ reduction and air travel at ETH Zurich Some science background

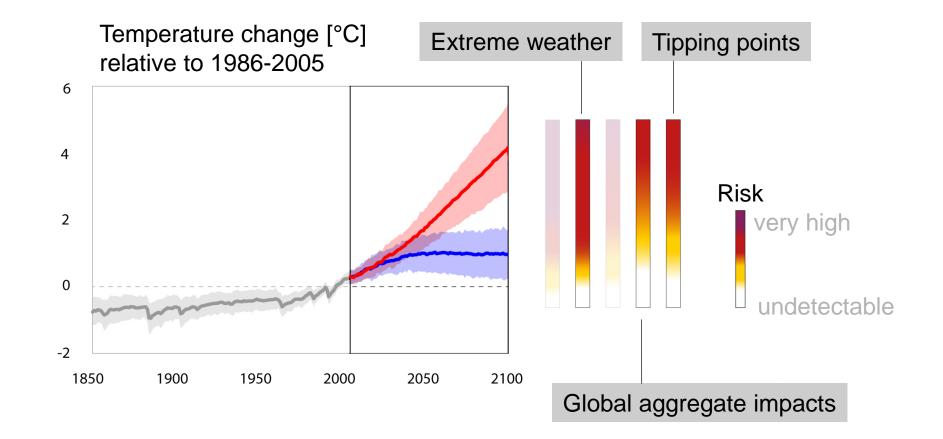
Reto Knutti Institut für Atmosphäre und Klima ETH Zürich reto.knutti@env.ethz.ch

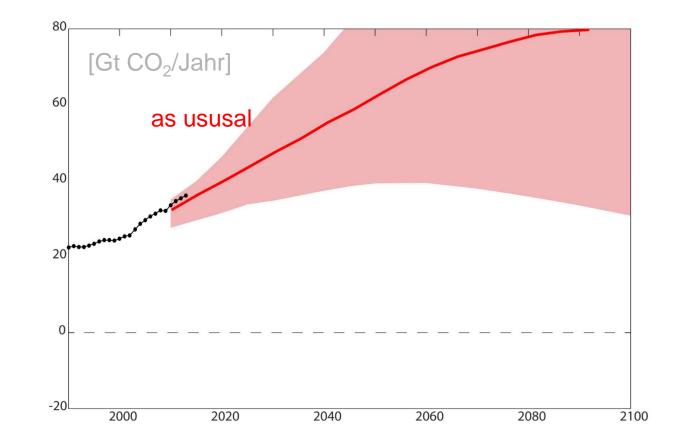
Diagnosis: «Warming is unequivocal»

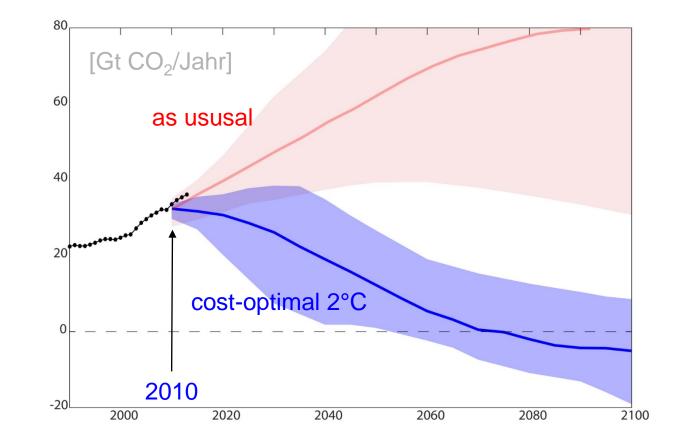
«Human influence on the climate system is clear»

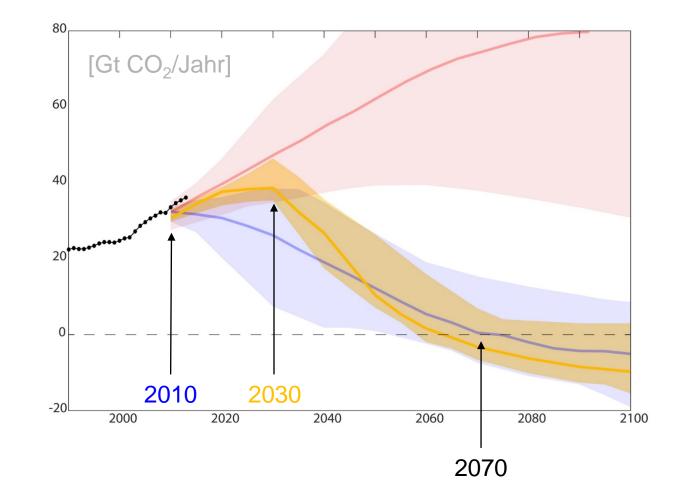


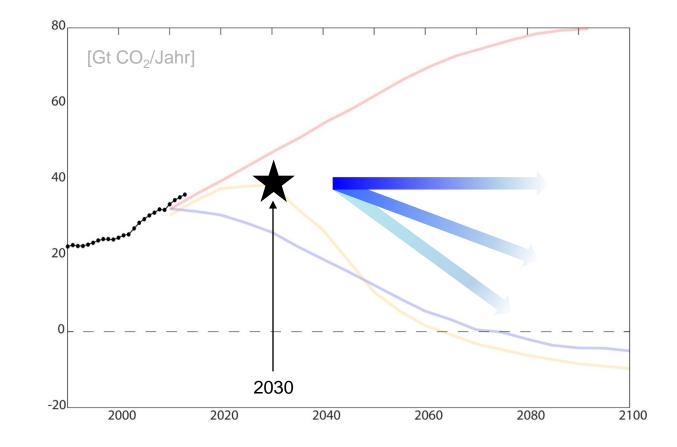
2°C or 4°C warming Levels of additional risk











The carbon budget How do we distribute the cake?

Global Commons Problem

20

«Common but differentiated responsibility»

But...

...and some counterarguments

- "Developing technology helps more...": Great, but it's not either or.
- "It harms our excellence...": How do we define excellence? Are the ways to be excellent while flying less? No prescriptions (yet), bottom up commitment.
- "My contribution is small": Everyone's is of course.
- "I already do a lot...": Shared resource, zero emissions required. Every ton I emit means one ton less for someone elsewhere, or the next generation.
- "Compensate elsewhere...": Soon there will be no 'elsewhere' left. If we can't do it, who else can?
- "It's too costly, too difficult, it cannot be done...": There are opportunities. The end goal should not prevent us from making a step. Every ton helps. And we haven't even started.

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