

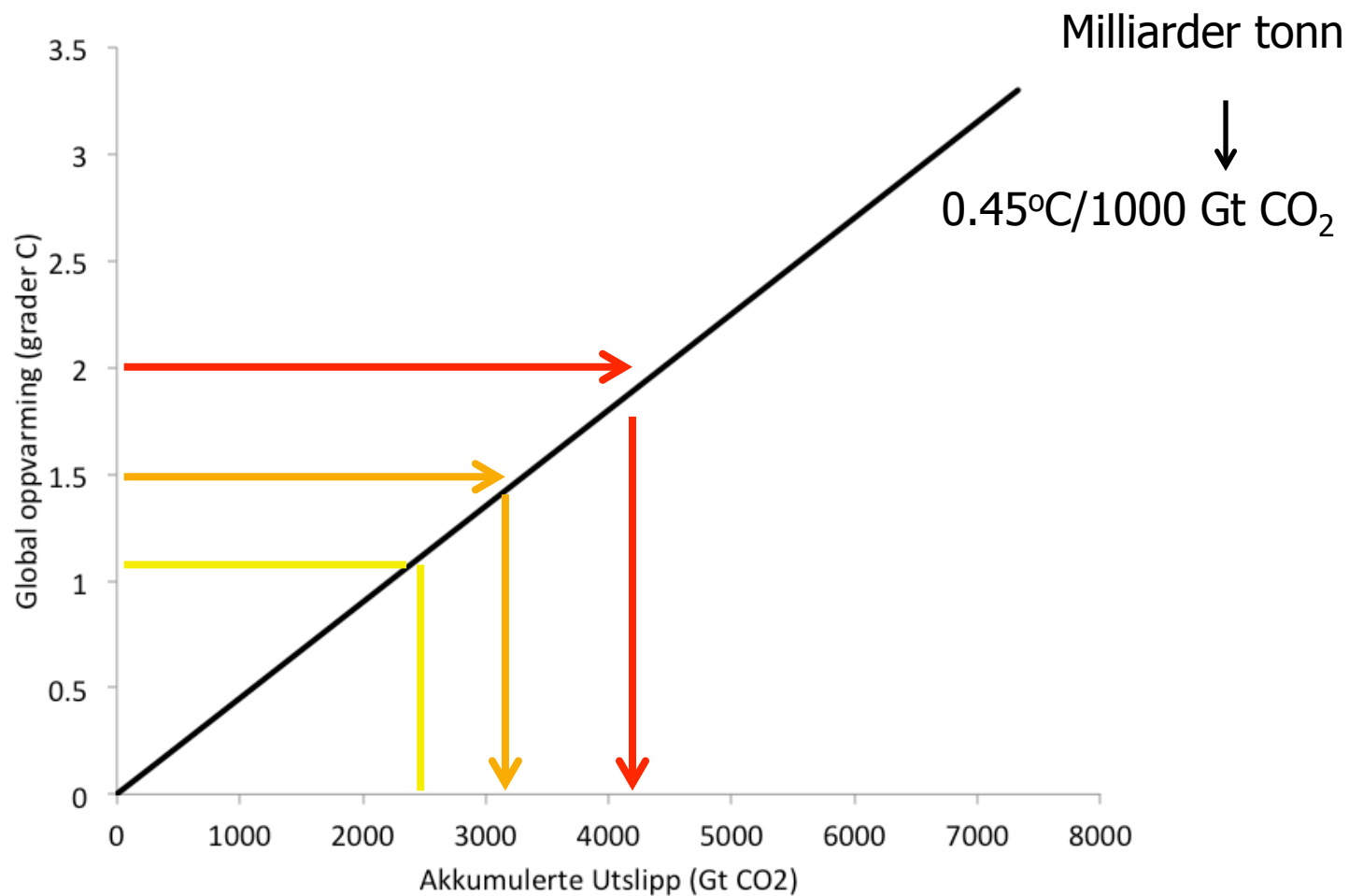


Hvor mye tid er det igjen? - det globale karbonbudsjettet

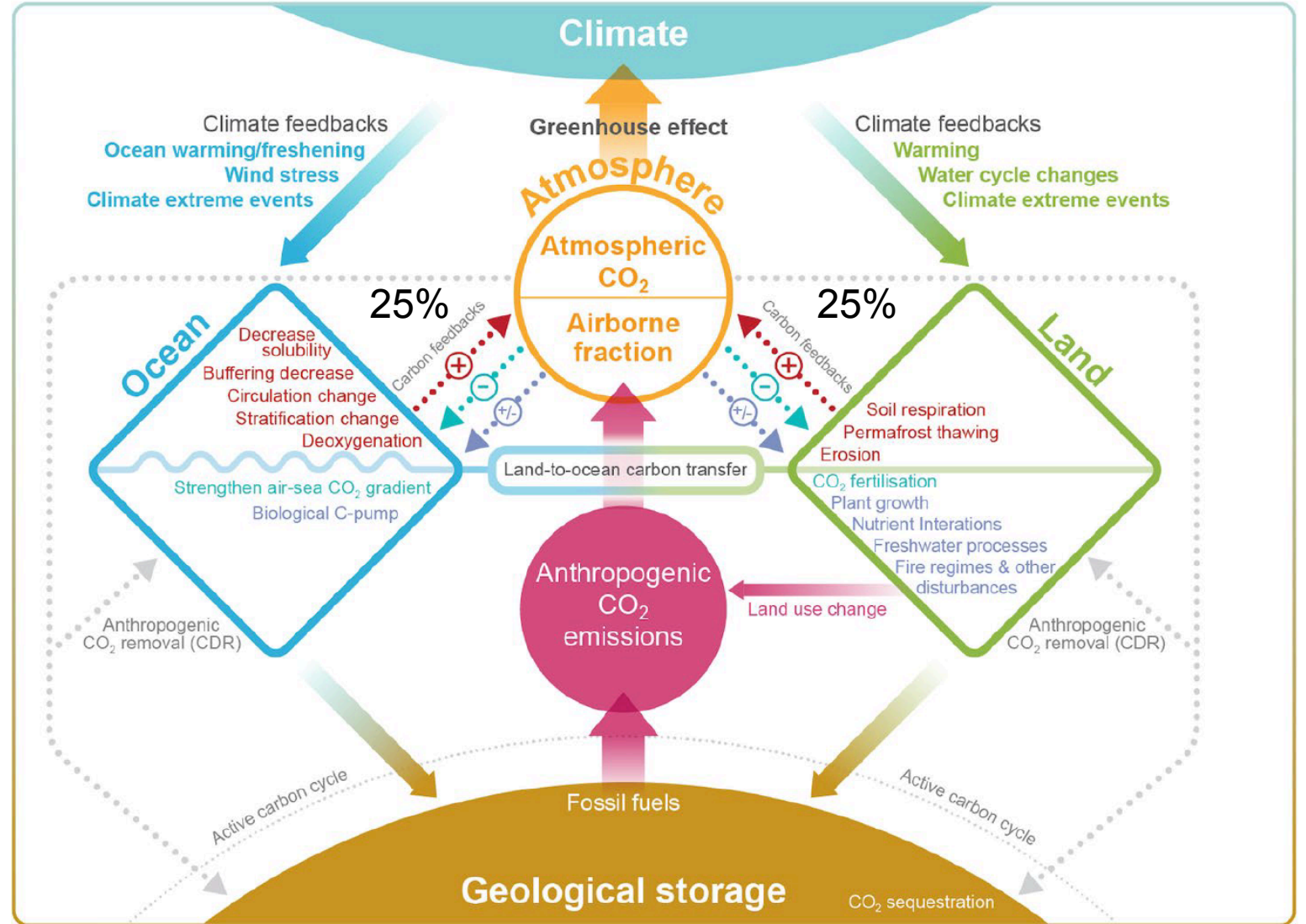
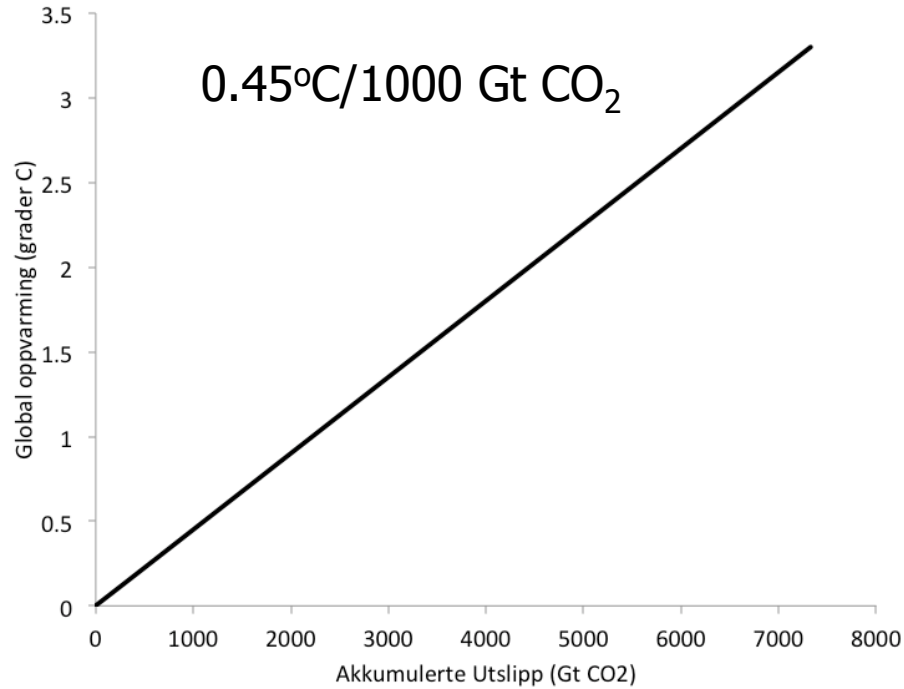
Are Olsen
Bjerknessenteret og Geofysisk Institutt

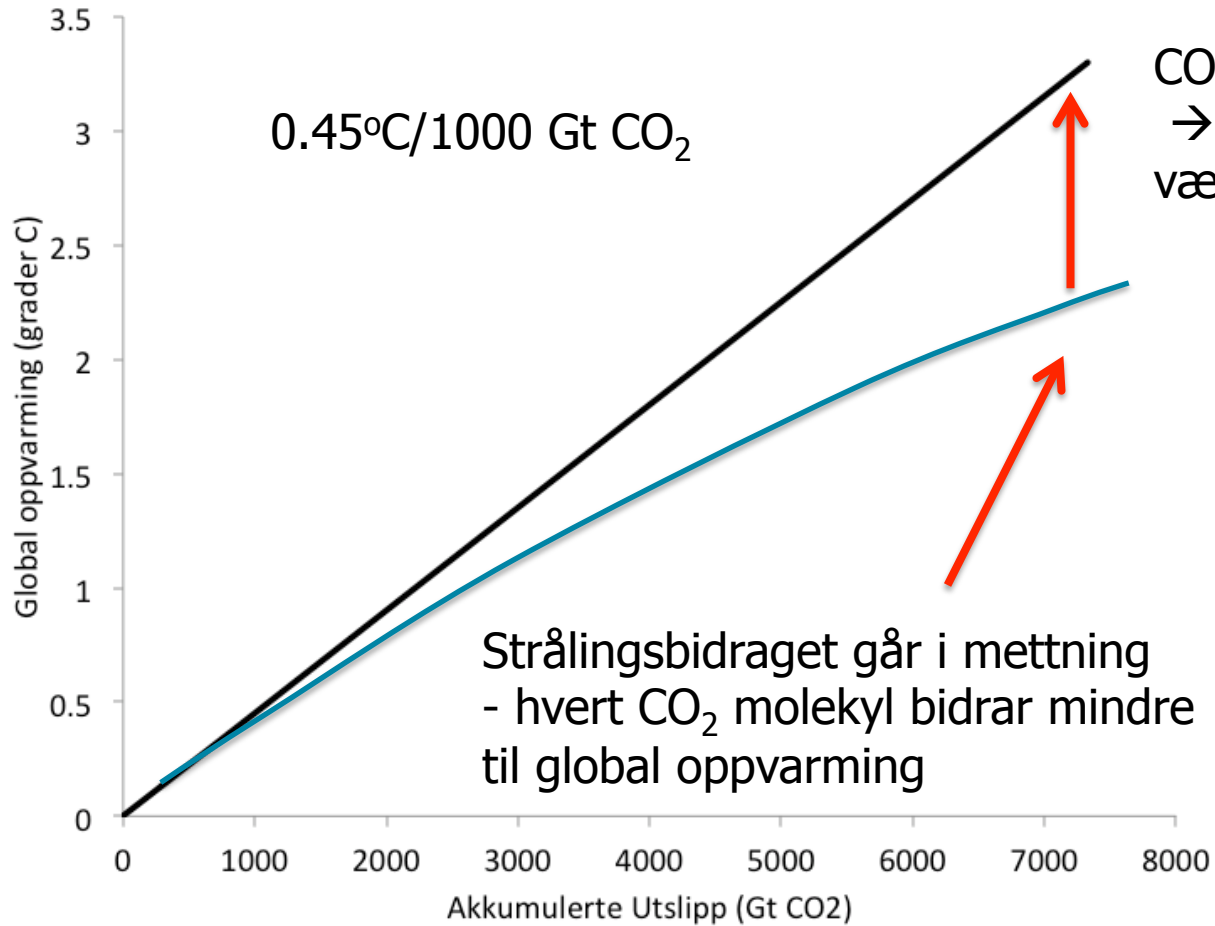


Global oppvarming, linjært relatert til mengden CO₂ vi har sluppet ut

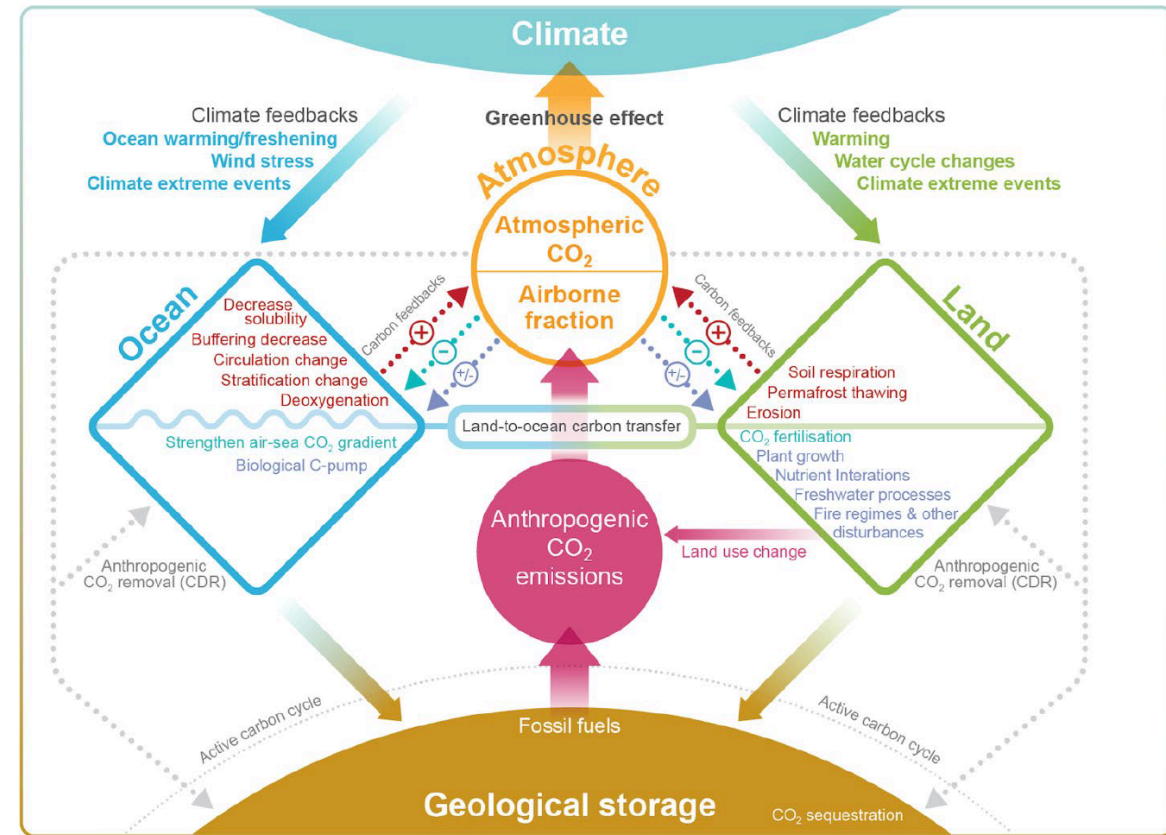


Et utrolig forhold i et komplekst system



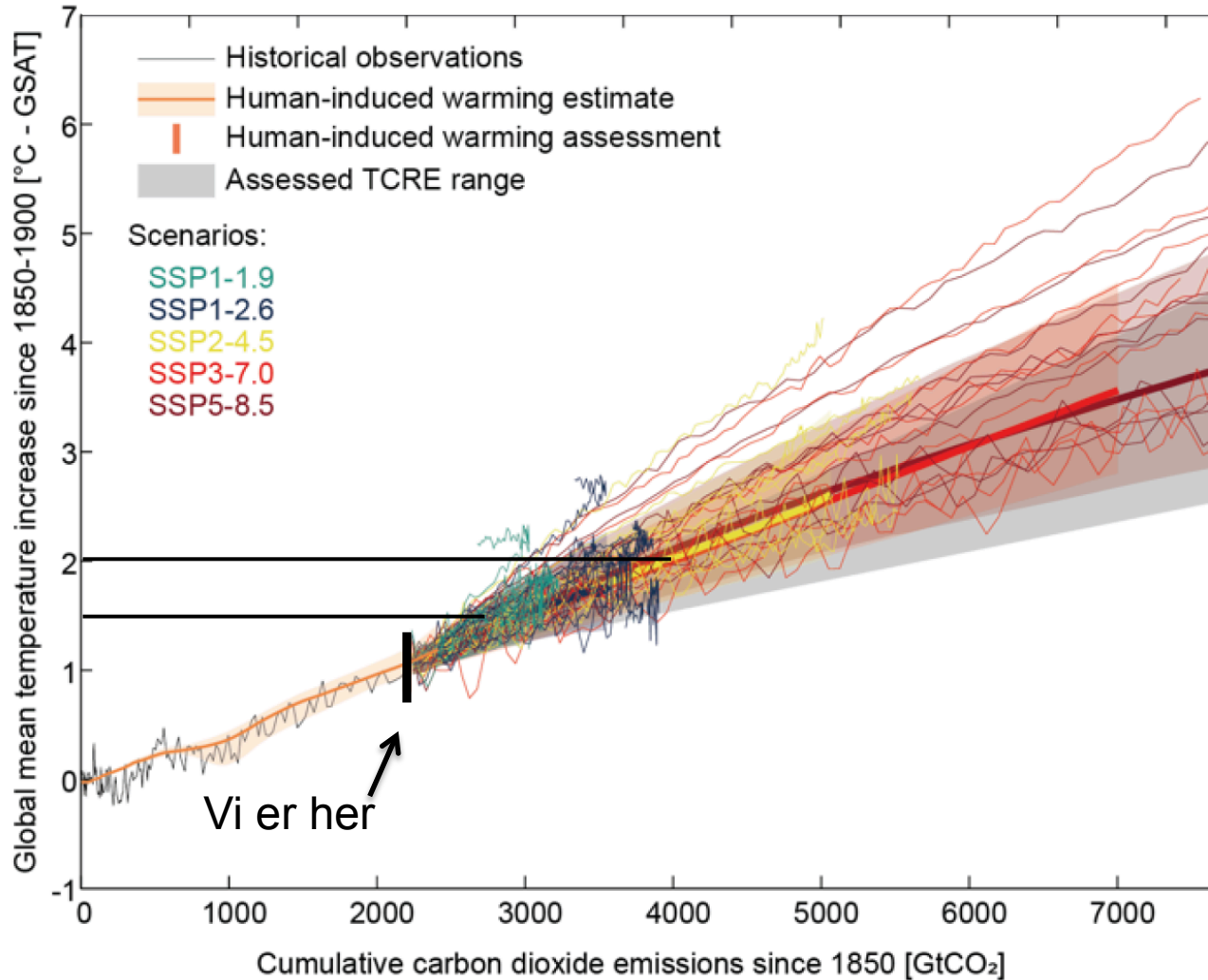


CO₂ slukene blir mindre effektive
→ Mer av CO₂-en vi slipper ut blir
værende i atmosfæren





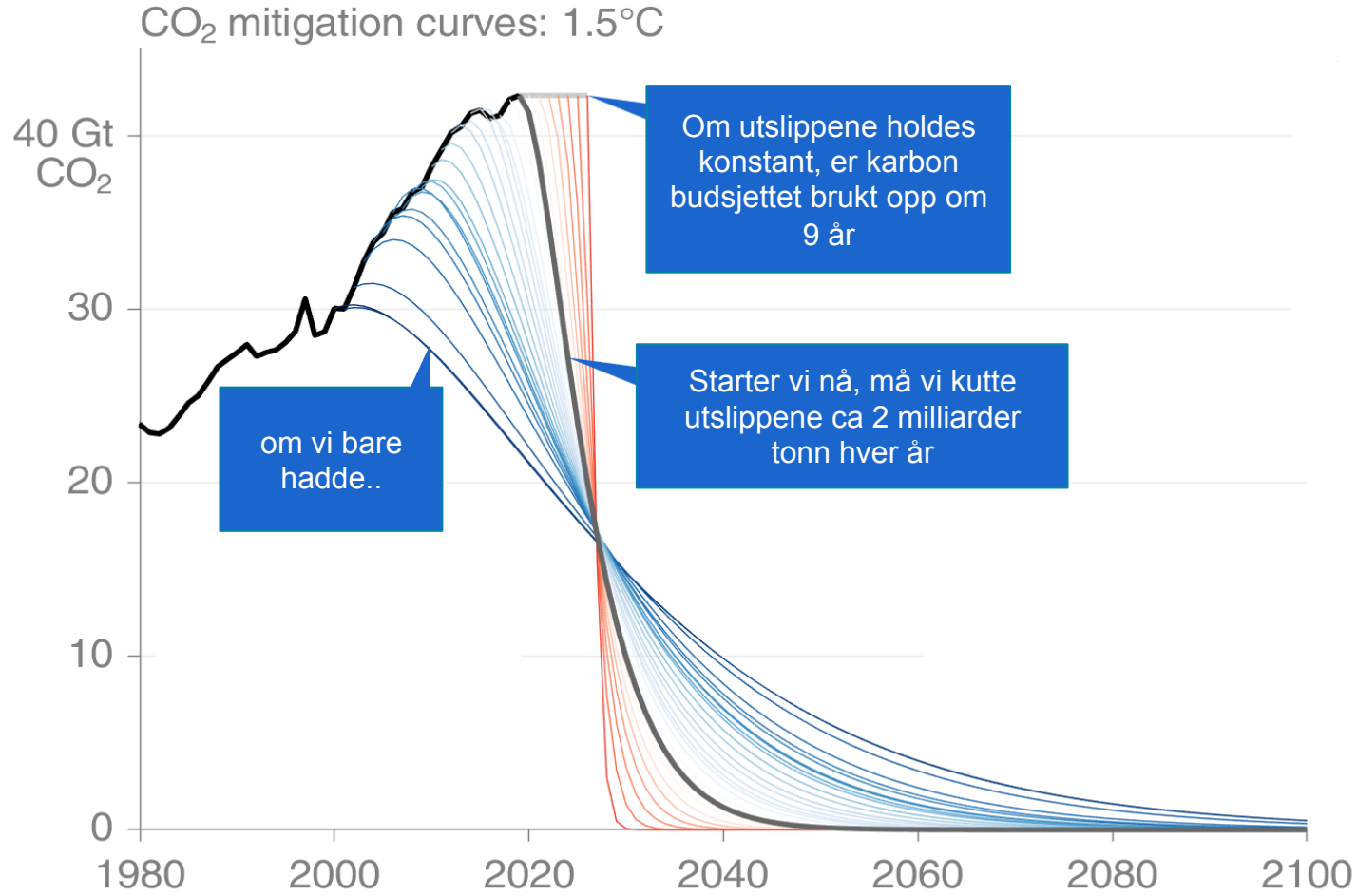
Store usikkerheter - men lite tid igjen



Mål	Gjenstående utslipp (Gt CO ₂) (66-33% sikkerhet)	Antall år
1.5	400 - 650	9 - 15
2	1150-1700	26 - 39

Dagens utslipp: 43 Gt CO₂/år

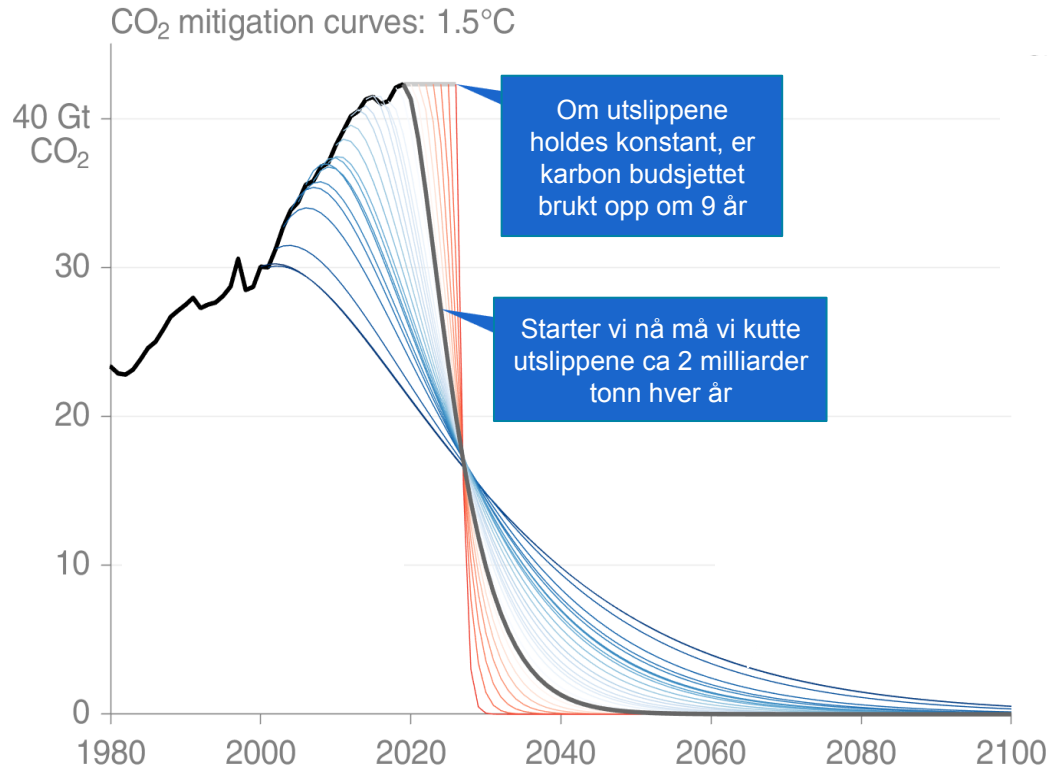
Jo lengre vi venter – desto større blir utfordringen



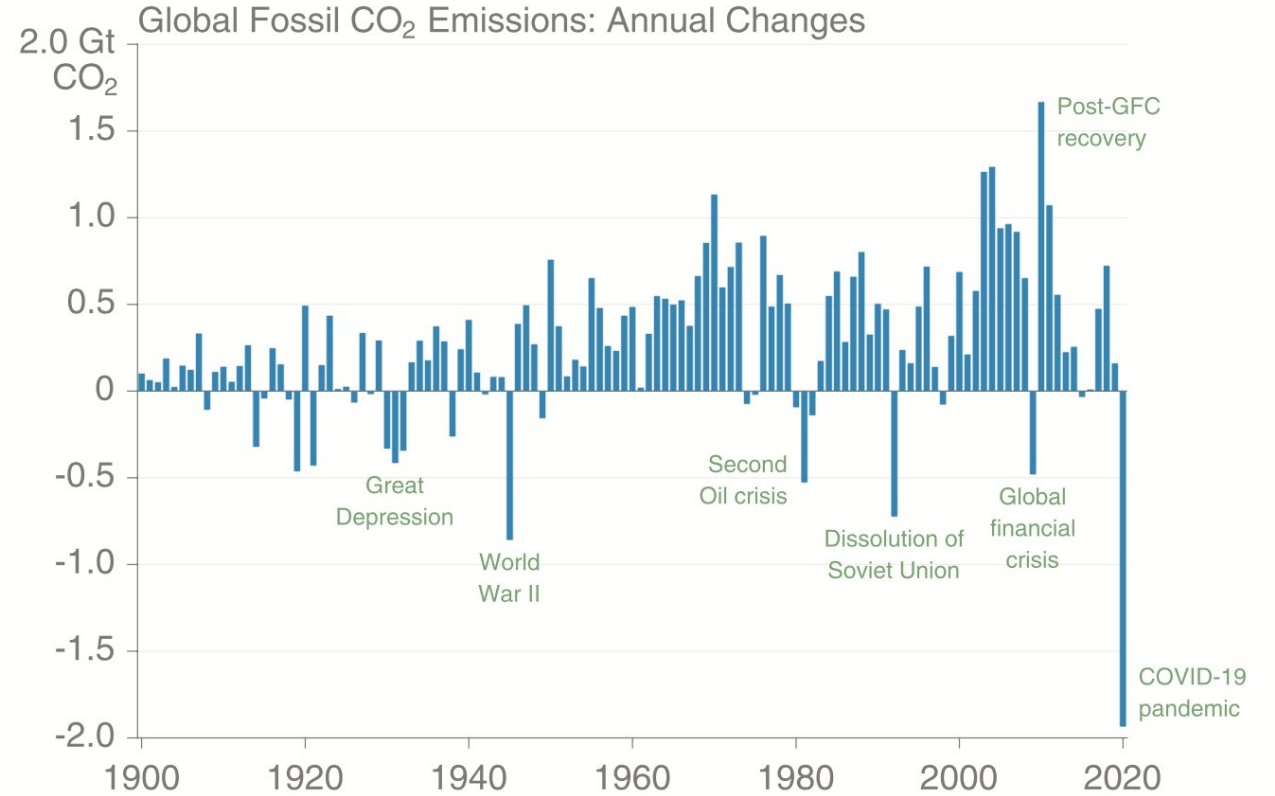
Mål	Gjenstående utslipp (Gt CO ₂) (66-33% sikkerhet)	Antall år
1.5	400 - 650	9-15

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2 milliarder tonn – det er COVID det!

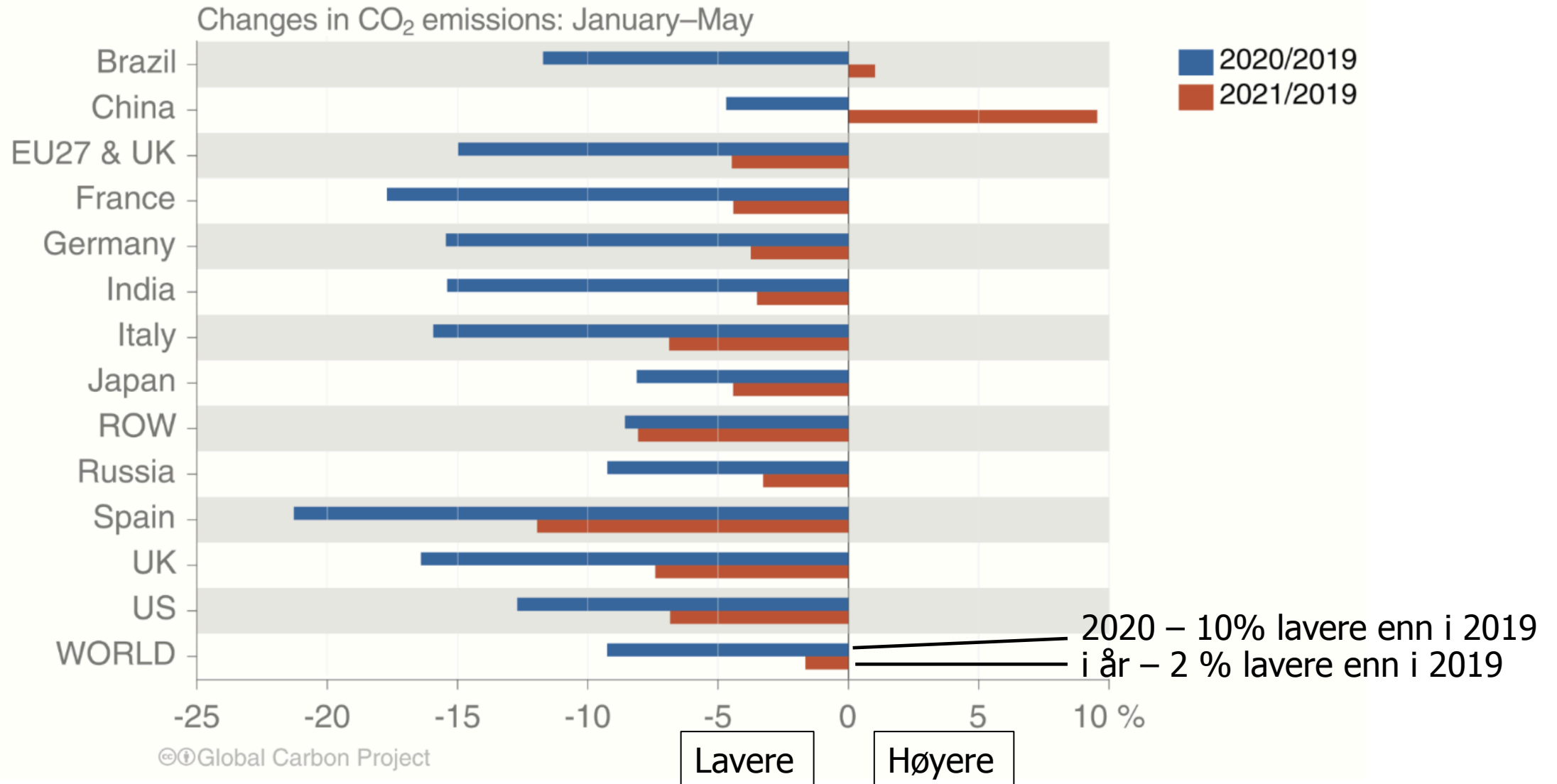


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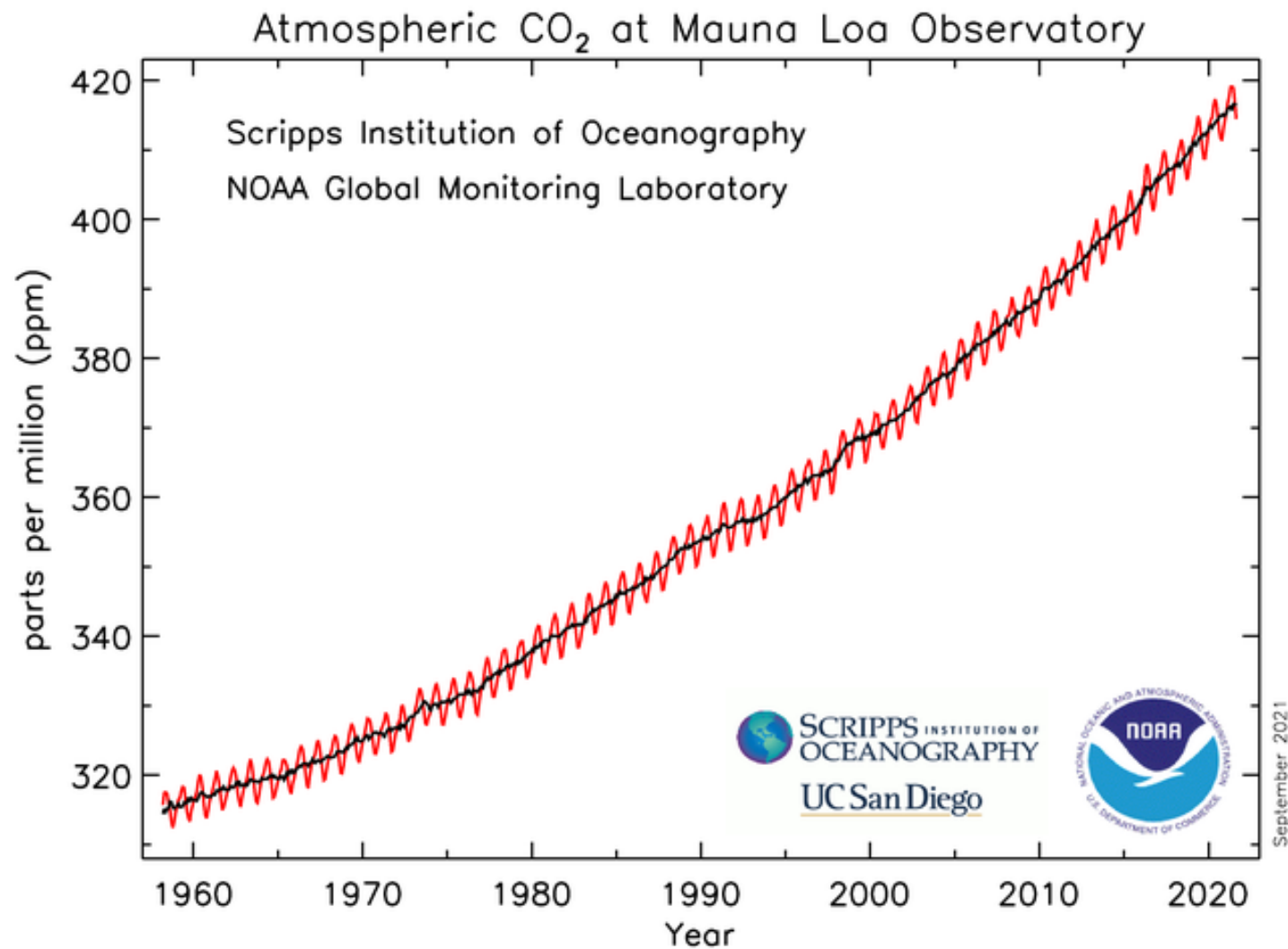
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Desverre, ingenting tyder på at COVID-19 var vendepunktet



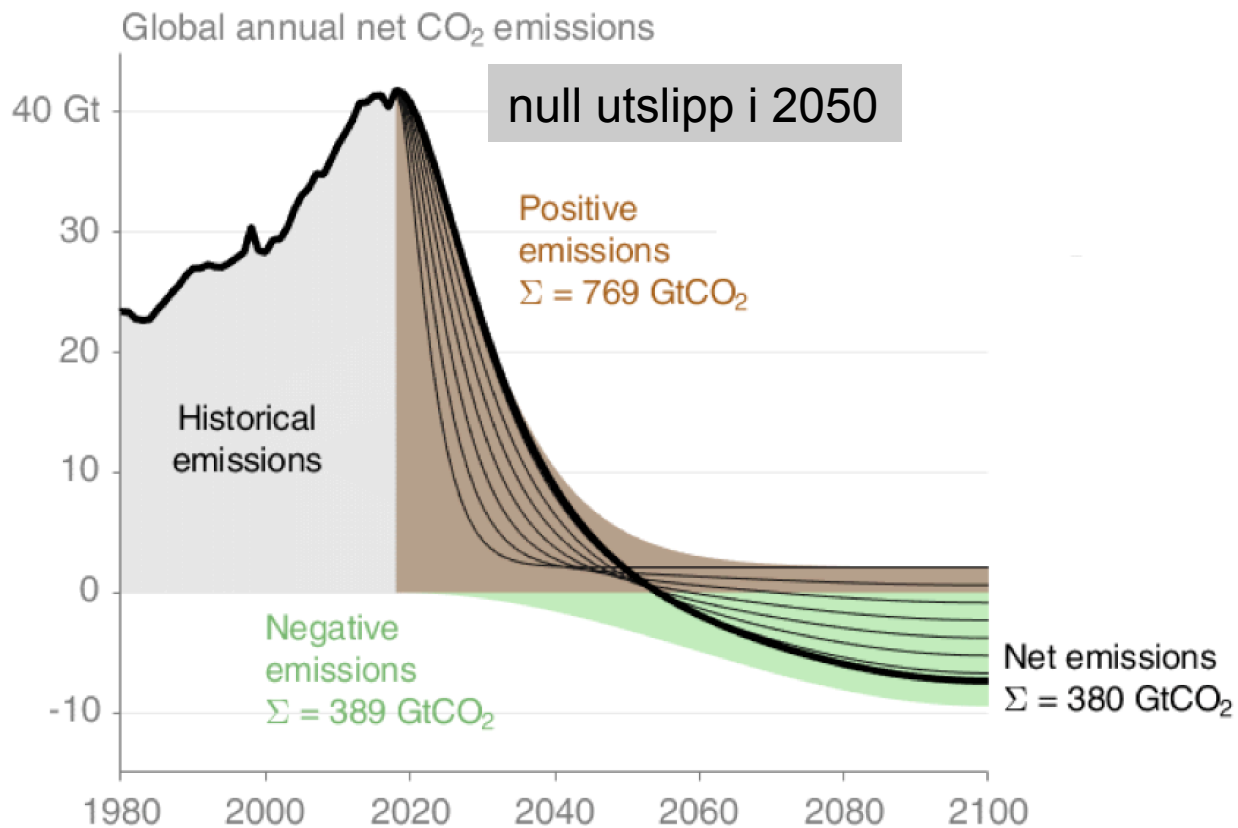


- og CO₂ nivået stiger ufortrødent

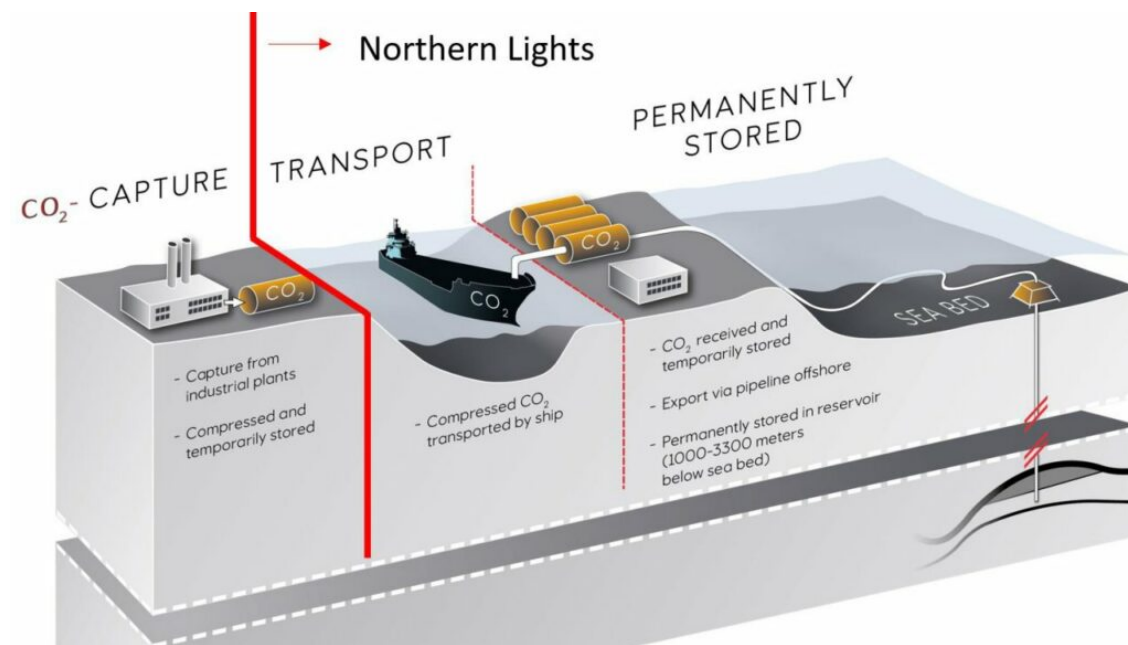


Oppdatert: September 2021

Behovet for negative utslipp bare øker



@peters_glen / @robbie_andrew



Kapasitet 1.5 millioner tonn CO₂ / år

For å fange 389 milliarder tonn CO₂ over 60 år ~5200 slike anlegg
- fare for lekkasje er ikke regnet med -
- er dette realistisk? Det må tas *ut* av atmosfæren -



Store kutt må til, nå!

Takk for meg