

How oceans fit in our climate change response

Matt de Boer

Senior analyst Climate Change Commission

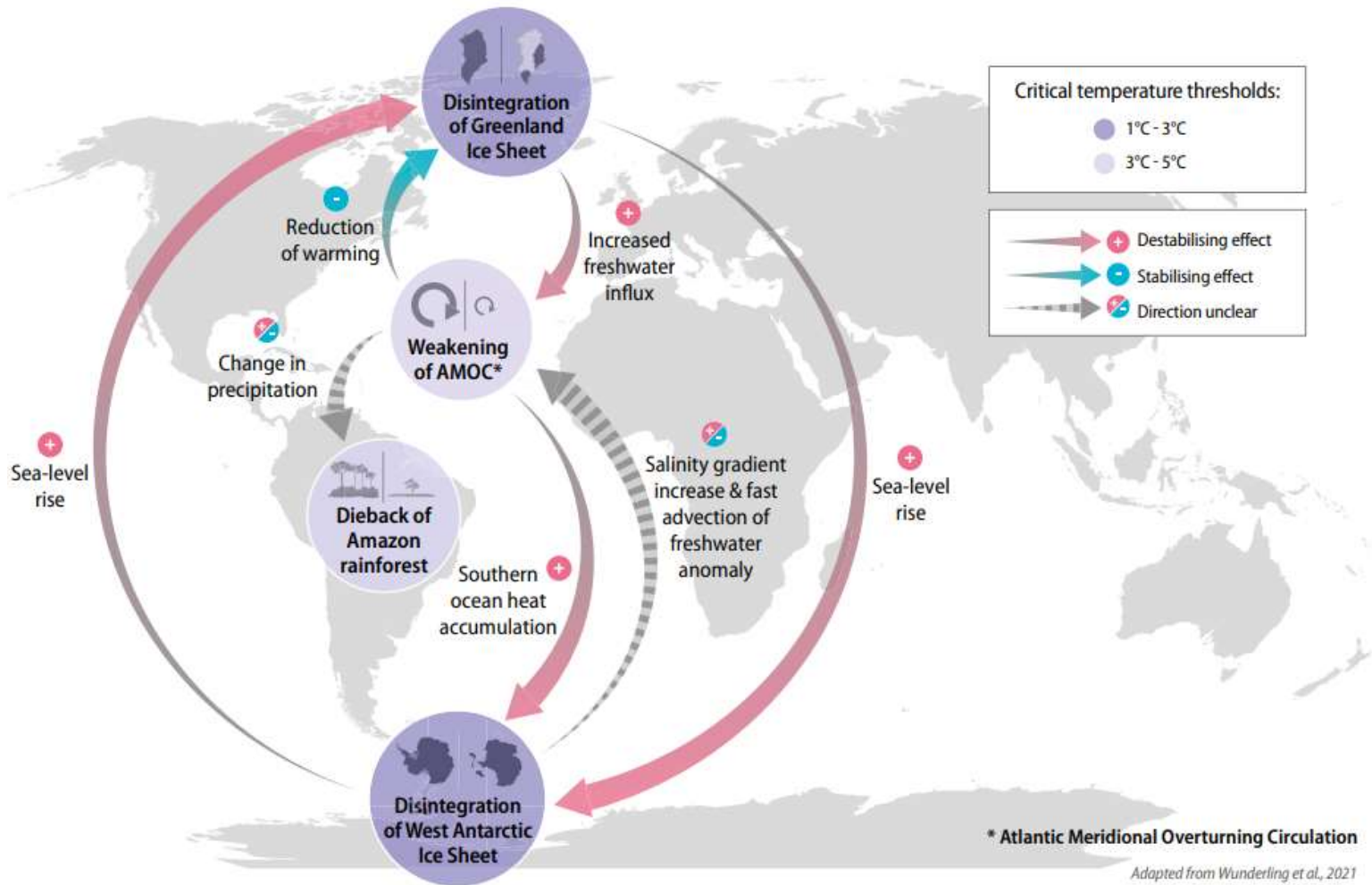
November 2021



He Pou a Rangi
Climate Change Commission







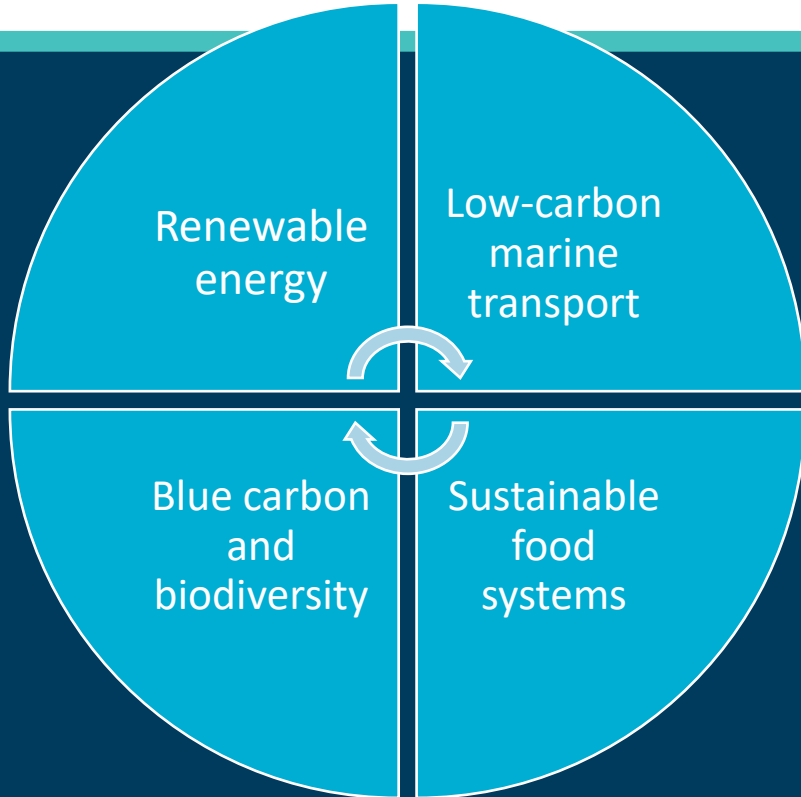
Adapted from Wunderling et al., 2021

Oceans and international climate policy

- UNFCCC increasingly recognizing the role of oceans
- Many parallel initiatives (Because the Oceans; 30by30)
- NZ's updated NDC doesn't mention oceans (70% do)
- Was COP26 'blue'?



Oceans and climate mitigation solutions

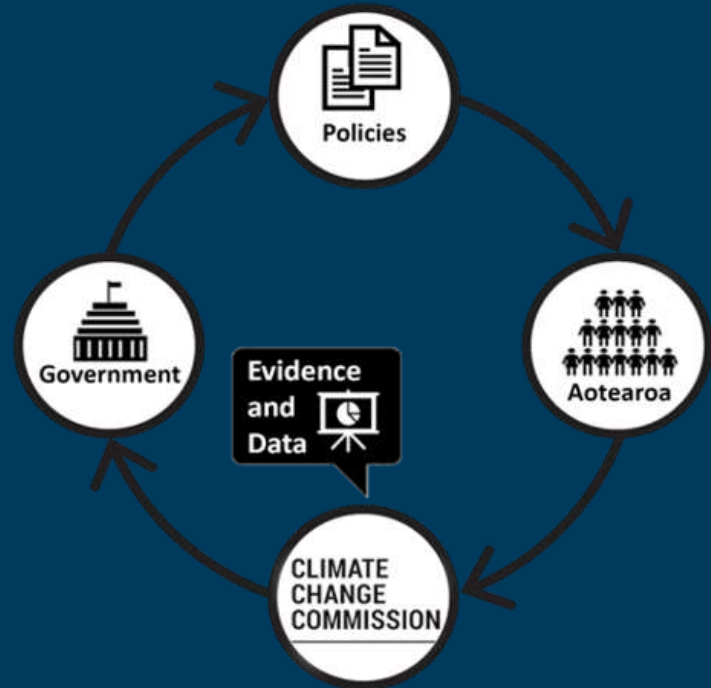


(also adaptation – but that is another



The role of the commission

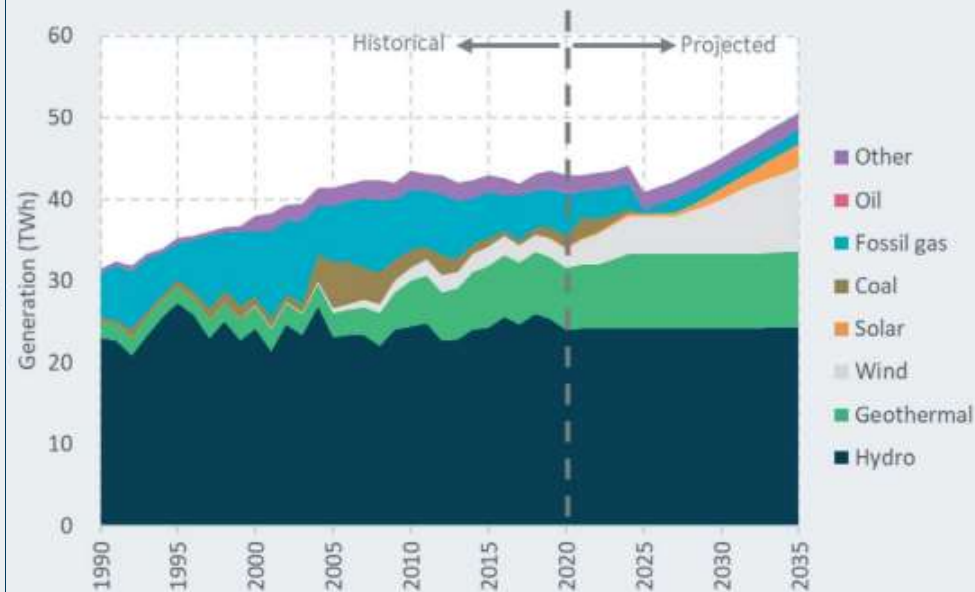
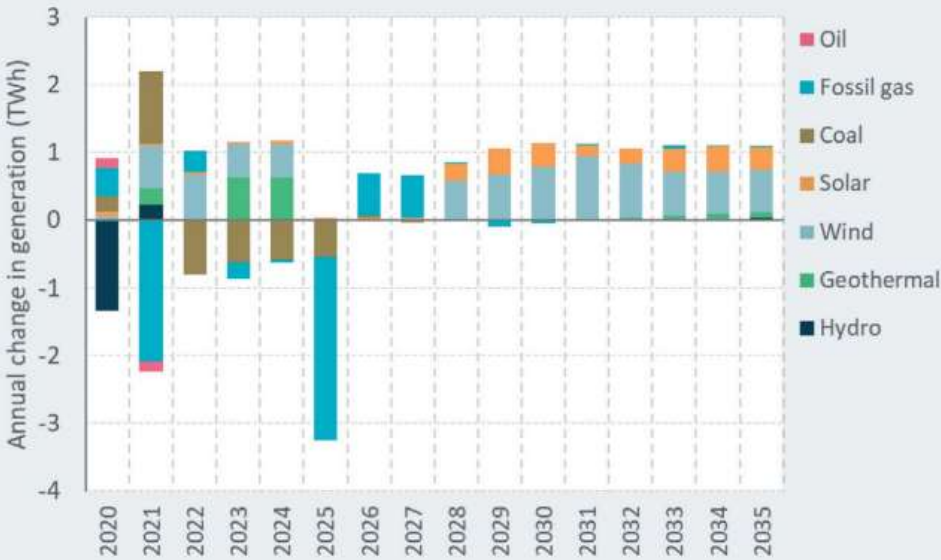
- We provide independent, evidence-based advice
- We have varied roles under the Climate Change Response Act
- Part of a broader policy landscape



Inaia Tonu Nei

– the commission’s advice on emissions reductions

Demonstration path shows uptake in renewables from 2028 ~1TW/yr



Inaia Tonu Nei

Enable market drivers

- Strengthen market incentives (ETS) (Recommendation 11)
- Make investments net-zero compatible (Recommendation 12)



Inaia Tonu Nei

System transformation

- Enable system-level change through innovation, finance and behaviour change (Recommendation 13)
- Decarbonise the energy system and future-proof electricity sector (Recommendation 20)
- Reduce emissions from industry (Recommendation 21)



Inaia Tonu Nei

Carbon removals and just transitions

- Manage long-term carbon sinks (Recommendation 25)
- A fair, inclusive and equitable transition (Recommendation 28)

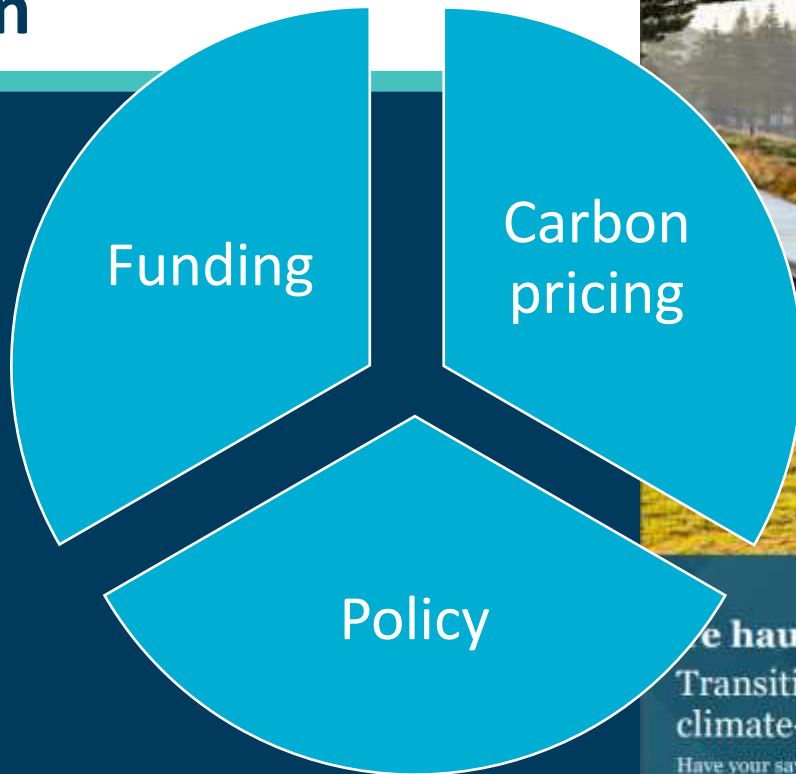


The Government's emissions reduction plan

The global signals are clear.

We need economy-wide transformation.

And we need to bring everyone along on the journey.



Te hau mārohi ki anamata
Transitioning to a low-emissions and climate-resilient future
Have your say and shape the emissions reduction plan



Environment

New Zealand Government

matt.deboer@climatecommission.govt.nz



He Pou a Rangi

Climate Change Commission