

Should New Zealand fight Climate Change? – A Doubting View

Joint ISCR/IPS Debate, Victoria University of Wellington, 15 April 2008

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Introduction

- Take the science of climate change and the need for an international response to climate change as givens → focus only on New Zealand
- In just 15 minutes, question whether:
 - Climate change is uniformly bad for New Zealand
 - New Zealand can fight climate change
 - New Zealand should fight climate change
 - New Zealand can influence those who can fight climate change
 - New Zealand stands to benefit from fighting climate change



Is Climate Change All Bad for New Zealand?

- NIWA's negative scenarios get most of the airplay, but what about:
 - Longer growing seasons for agriculture and forestry in the south and west
 - Better inflows for hydro generation
 - Warmer winters with less related deaths, and reduced demands on electricity system
 - Increased pine forest growth in the south and west
 - More widespread winegrowing, and better reds ...
 - Karori becoming prime coastal property ...
- Importantly, gradual and considered adaptation will both mitigate adverse impacts and create opportunities

In short, there is good news as well as bad news



Is Climate Change All Bad for New Zealand?

What does an extra 3°C look like ...

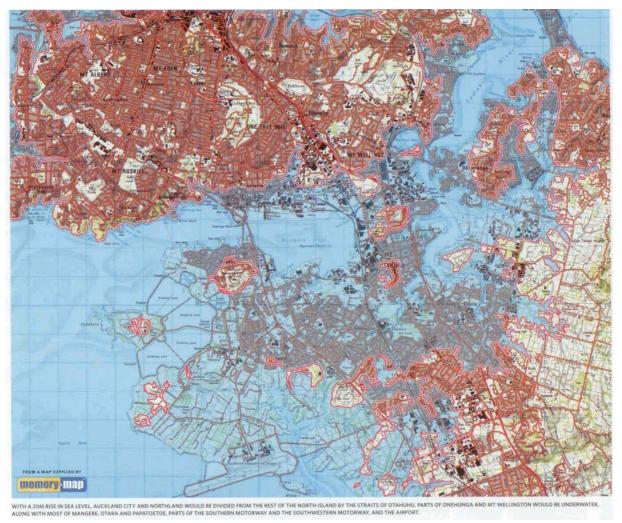
Where	+3°C means same average temperature as	+3°C makes July look like
Invercargill	Blenheim	September
Dunedin	Wanganui	Late August
Christchurch	Auckland	September
Wellington	Kaitaia	Late August
Auckland	Sydney	Late September

Sources: NIWA for New Zealand average temperatures, www. Eurometeo.com for Sydney

Ecosystem changes may well result, but not always bad ones, and perhaps even better ones might arise (particularly if adaptation is assumed)



Is Climate Change All Bad for New Zealand?



Source: Metro, January/February 2008, p. 71



Can New Zealand Fight Climate Change?

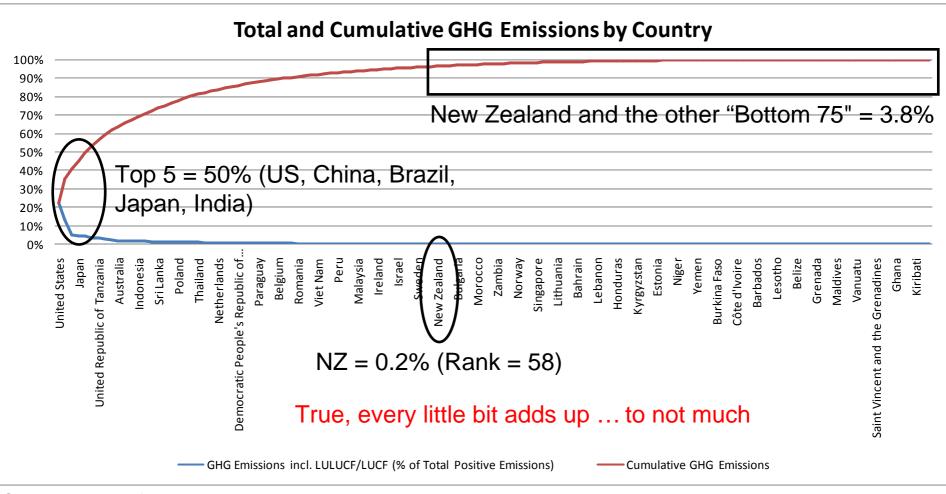




Source: www.carma.org



Can New Zealand Fight Climate Change?



Source: www.unfccc.int



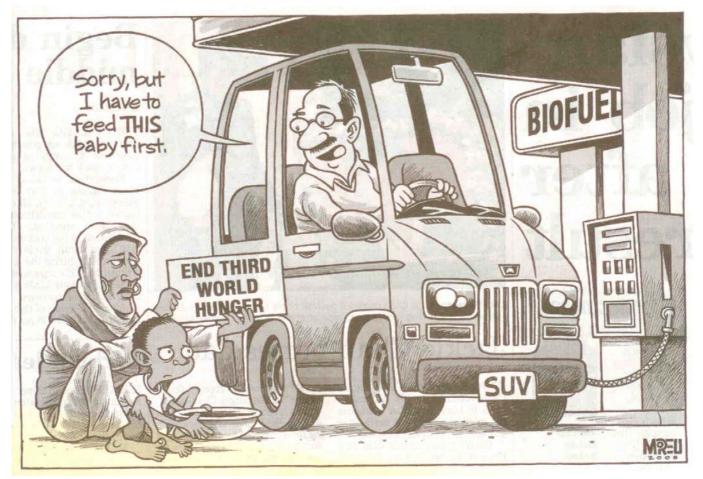
Can New Zealand Fight Climate Change?

- If New Zealand were to disappear overnight it would take China less than 2 months to build enough <u>new</u> coal-fired power stations to replace our annual emissions
- Beijing alone gets 1,000 new cars every day it would take 7 years for Beijing's new cars to equal New Zealand's entire fleet
- Simon Upton: "Only the United States, the EU, China and a handful of other countries can solve [the climate change challenge]" (Dominion Post, 11/3/08, p. B5)
- General secretary of UNFCCC: "To design a long-term response to climate change that does not include the world's largest emitter and largest economy [the US] just would not make any sense" (Dominion Post, 4 December 2007, p. B2)

Does the climate even know that New Zealand exists???



- First to the ethical/altruistic considerations:
 - Because we are "rich" we ought to do something:
 - → Only if we have something to do (cf 0.2%), and by the way, we are only 27th in the world for GDP per capita (at just 29% of Luxembourg's)
 - Because our emissions per capita are high:
 - → So were Robinson Crusoe's would the climate or anybody else gain anything by him reducing them?
 - Because it is the right thing to do:
 - → Is it right or just empty if it is also futile?
 - What if New Zealand's ETS just shows China the economic costs of fighting climate change without demonstrating any benefits?



Source: Dominion Post, 10 March 2008

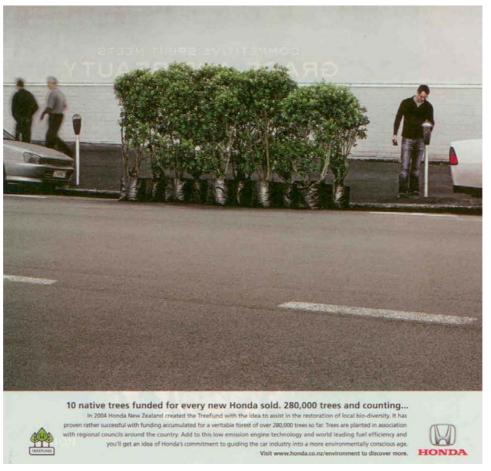
The ethical considerations are neither clear cut, nor one way



- Next to the selfish considerations:
 - Our tradable sectors (agriculture, tourism, airlines) need to beat off "food miles" and "air miles"
 - But should low-income Maori face relatively higher power bills than low-income non-Maori under the ETS so that Fonterra's farmers can enjoy a branding advantage in Britain?
 - Why can't just those sectors exposed to New Zealand's emissions pay the full costs of their own emissions without everybody else also paying?

Important distributional questions





Source: Time



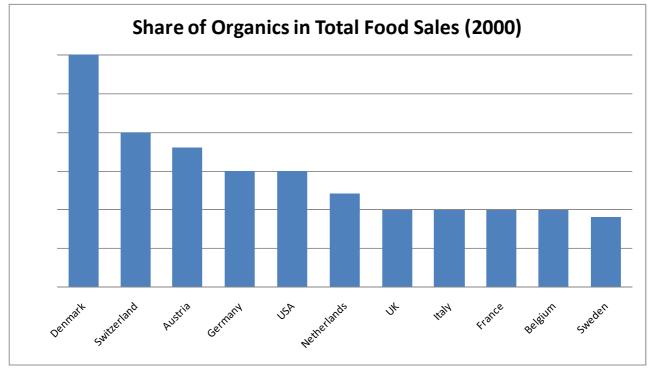


Source: Koru Review, November 2007

Plus voluntary carbon offsets costing up to \$88 for Auckland/LA



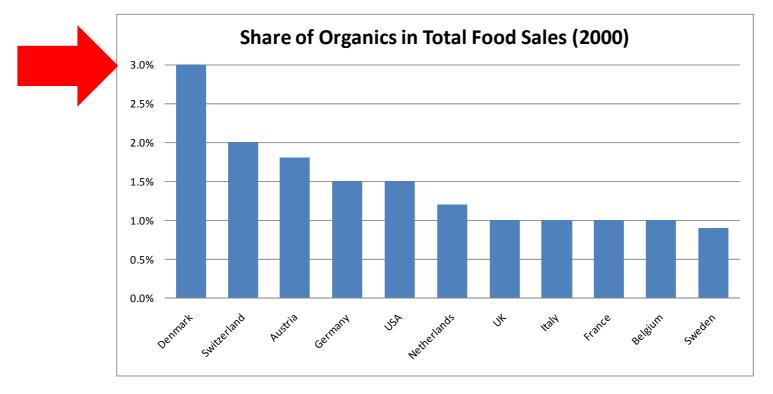
How "green" are consumers anyway ...



Source: World Markets for Organic Fruit and Vegetables, FAO, 2001



But look at the numbers ...



<u>Plus</u>: UK research commissioned by the NZ government reported that about two thirds of British consumers knew about "food miles", but half were unconcerned about which country their food came from (and the concept has not made inroads into Continental Europe)

Let's not get too worked up, at least not just yet



Can New Zealand Influence the Polluters?

- New Zealand can lack diplomatic leverage on substance, but box above its weight on process → maybe we can get stuff done?
- Our "nuclear free" policy hasn't stopped proliferation indeed, New Zealand's stance could now be on the wrong side of the debate
- China pollution costs annually amount to 10% of GDP (*Economist*, 15/3/08, p. 13)
- US American Climate Security Act (ACSA) including tariffs on imports from countries that do not price emissions (trade war with climate benefits?)
- If "peak oil" is true, won't that help fix the problem?

The big players will fight climate change when it is in their interest to do so → Can we really change that?



Won't New Zealand Gain by Fighting CC?

- Not if it fails to stop adverse climate change, or succeeds in stopping the benefits of climate change
- There may be branding advantages for companies to go green → let them pay for it, they keep the benefits
- As a nation we might "feel good" by fighting climate change ->
 we should let people vote with their cheque books
- Some core sectors face considerable downside from the ETS (e.g. pre-1990 foresters)

Big distributional questions once again, and considerable scope for people/firms to work out their own solutions for their own benefit



Does Any of This Matter?

- New Zealand has committed to an ETS, like it or not
- How that ETS evolves, however, should reflect realities rather than rhetoric
- Given the distributional consequences of New Zealand's approach, we should expect ongoing debate
- We can probably adapt to irreversible climate change policy as much as we can to irreversible climate change
- Given the possible benefits to New Zealand of climate change, and our relative inability to directly influence the climate (or those who do influence the climate), we should be circumspect in formulating our response

You have heard two sets of views → You decide!

