

HODGSON

Pessimist - 3 days discussing whether we should have a seminar to be about what we do next. I'll return to it

Optimist. - KP is about to come into force & we have 10 years of advice documented.

Scientist - CO₂ emissions continue to grow in nearly all nations, including mine and therefore current policies & measures aren't working, y

Mitigation Policies and impacts.

NZ experience so far. ~~from Argentina~~

Our starting point was and is energy efficiency. Saves money. Promotes rapid uptake new technology & ~~example~~ Claude Mandil IEA every tonne CO₂ not released is a tonne we don't have to adapt to later. $\frac{1}{3}$ of our

target by energy efficiency alone. Strategy Agency. Working, except in transport where we are not getting delinkage. Japan most energy efficient nation

Half our emissions are from agriculture. Research. Animals, the plants, the bacteria in the digestive system. Lot of research. World leaders. Lots of p/slips

Price carbon change OT 2 negotiated agreements for energy intensive industries so as to avoid carbon linkage

Sinks. ~~Plantation forestry, is striped lines~~ Planted forests. Our own forests, natural forests are not used. We conserve them for biodiversity reasons. 1 ~~ha~~ ¹⁰⁰ in 500 is ~~not~~ harvested from our natural forests; 699 are from our planted forests. Increasing our forested area by many thousand hectares a year.

Trade. Put carbon credits in to our economy, contestable tender for projects that pass an additiveness test. Last week the results of the last round GBT were announced. Also last week the PIT opened largest wind farm in Southern Hemisphere, cost of an earlier round. The credits are on sale into the global economy, wind farm to

Dutch government. We run the tender at a profit to the Government.

Technology followers in many areas, ~~we understand the importance of G77 players or technology transfer~~. We don't make ~~cars~~ cars so we rely on ~~technology~~ hybrid technology of Honda & Toyota & soon other manufacturers. Here the trick is to take up the technology fast, or to leapfrog. G77 tech transfer emphasis.

But still our emissions are growing. Our electricity is mostly renewable & so is much of our industrial heat. Our problem is - like everyone else - cars, & unlike everyone else & rapidly growing and highly efficient agriculture.

We ratified Kyoto, with targets, over 2 years ago. It was a logical decision, for several reasons. We wanted to make our small contribution to the largest global environmental

problem there is and one that ~~contributors~~ will contribute so much to others - ~~others~~ ^{In particular we owe it to our friends in the many} But there is desertification, access to fresh water and so on. ^{signatories of the Pacific} ~~Our own economy~~ Climate change threatens our economy. We

selfish reason too. Our own ~~economy~~ ^{own} Climate change threatens our economy. We

we would be in agriculture because of our temperate reliable equable climate. As we predict the changes for each

decade - NZ 30 or 80 years from now we can see damage of many sorts. ~~This~~

1, ... of Florida, the Philippines & France, but we will.

And third we ~~are~~ embrace technology, including the technology that the issue demands change has and will provide. We want the inside running on that technology 3 days on a summer.

And so we find the stalemate at this meeting ^{on} the future because they are developed countries do not want a dialogue ~~of~~ the future because they see the blame game coming & on the other hand many developing nations do not want a dialogue on the future because they see themselves victims whose right to develop might be ~~be~~ curtailed.

That two-sided pessimism runs the risk of being self-fulfilling. Climate change is coming ready or not. It is not if, but when. It is not whether or not it how much. Denial won't work. Nor intransigence. Nor blame. Early mitigation is more valuable than later mitigation. ~~But that is the nature of the~~ to Early action more valuable. ^{mitigation}

Waiting for the big technology ^{fix} won't work. Whether it is nuclear fusion, hydrogen storage or carbon sequestration or various biotechnologies, the big hit won't come, or won't come in a timely way. Of course we must seek these holy grails, and. And, later, we may find one. But to do that instead of early action, by all nations is to embrace the tyranny of or rather than the opportunity of $\$$ and. It is silver bullet hunting and it will end in tears.

Mitigation is hard. If it were easy we wouldn't need to meet here. So as to mitigate, using energy efficiency, and research, and price mechanisms and the K.P. and sinks and technology transfer we should also think about it we, the world, do next. A seminar about future actions - without an agenda of goals or obligations - seems sensible. How else can new ideas get an airing. Yet instead of trusting that ^{initiative} ~~idea~~, some of us would rather trust a negotiating vision that ~~deliberate~~ ~~insufficient~~ action is individually comfortable but collectively untenable.

We don't have the luxury of that stand-off for

