

GLIMPSES INTO CLIMATE'S CRYSTAL BALL

Back issues: email Lindsay@resilienz.co.nz

INDEX

Climate Matters 1. 03 09 18	Climate Matters 6. 27 09 18
Rapid uptake in Air NZ carbon offsets	Medicine sans Frontieres stands up to be counted
Aircraft without windows to save weight	Are we humans "Ecological serial killers"?
Productivity Commission: low-emissions economy	Schools should teach about human blind spots
"Shore power" doesn't need to be "Shore" power	Should we change genes or culture?
Germany feels the heat	
Climate Matters 2. 10 09 18	Climate Matters 7. 04 10 18
Hamburg building subsidies for using timber	Climate change initiatives at Airbus Hamburg
Biogas power in Germany	Medicine, conflict and climate change
River floods and droughts in Germany	Ted X Hamburg: don't depersonalise people
We need better R&D in NZ	Time for deeper innovation
	Vacuum toilets feedback
Climate Matters 3 16 09 18.	Climate Matters 8. 16 10 18
Hydrogen as a key to future energy storage	IPCC Special report and EDS conference
Making bikeways safe in Hamburg	New modelling of atmospheric methane
Vacuum toilet systems in towns	Even more spotlight on getting off fossil fuels
Debating the life and terminology of methane	"Climate breakdown" not "climate change"
	District heating in Europe now looks at cooling
Climate Matters 4. 19 09 18	Climate Matters 9. 24 10 18
NZ as a possible circular economy role model	Must get off fossil fuels not just reduce
Cradle to Cradle and alarming stats on fabrics	Aotearoa Circle leaders' think tank initiative
More systems needed to support small players	Govt locks in unambitious R&D targets
C&A "wear the change" with C2C garments	Free EV charging a sign of the times
Emissions tools needed for small businesses	
Climate Matters 5. 23 09 18	Climate Matters 10.1 with errata 06 11 18
Innotrans transport fair and climate change	World climate simulator role play game
The Swiss level out train power spikes	Methane and bus fares
Hydrogen buses	The huge carbon footprint of cloud storage
Digitisation of transport	FIRST HOT TIP: Minimise cloud storage



CLIMATE MATTERS GLIMPSES INTO CLIMATE'S CRYSTAL BALL

Back issues: email <u>Lindsay@resilienz.co.nz</u>

INDEX (continued)

Climate Matters 11. 16 11 18	Climate Matters 16. 23 01 19
Jonathan Porritt on flying offsets	Greta Thunberg at COP24
An unlikely fan of NZ Trucking Mag	Methane, GWP* and agriculture
NASA's new ICESat-2 measures Antarctic ice	Divestment from banks investing in fossil fuels
HOT TIP: Save weight when you're flying	HOT TIP: Check out your bank on fossil fuels.
Climate Matters12. 23 11 18	Climate Matters 17. 05 02 19
Climate change a state of national emergency?	Local Govt NZ opens our eyes.
"Ray of Hope" Biomimicry inventions	Having our rice and eating it
UK diet moves away from meat	How much does milk raise sea level?
Artificial protein commences manufacture	Are new subdivisions just official Ponzi schemes?
HOT TIP: Drop one red meat meal a week	HOT TIP: Check if your shower is wasteful
	Climate Matters Valentine's Day Special 14 02 19
Climate Matters 13 06 12 18	Climate Matters 18. 24 02 19
The power of many	The Lancet's mother of all diets
EV tips that can save fossil fuels	Weather before the Tasman/Nelson fires "insane"
Cook off-peak and change power generation	"TWOi 2.0" – a crazy orbiting "teabag on steroids"?
Resilienz launches unusual offset scheme	Hamburg's buses do a U-turn on hydrogen
HOT TIP: Promote low-food-waste BBQs	Huntly power station's record coal burn
	HOT TIP: Always pay carbon offsets on flights
Climate Matters 14. 20 12 18	Climate Matters 19. 08 03 19
10,000 PV panels on NZ's first two solar farms,	Schoolstrike4climate
Thinking upcycling: a doggy bag with a diff	Procrastination and climate change
Irish Citizens' Assembly	Phosphorus and pee
Extinction Rebellion "marks" Nelson CC	Pollution and climate change
Pontevedra revitalised by banning cars	Population and climate change
HOT TIP: A climate-friendly new year's resolution	HOT TIP: Chat to people about climate change
Climate Matters 15. 07 01 19	Climate Matters 20 22 03 19
Individual participation cranks up	Schoolstrike and slow official response on climate
NZ signs the Birmingham Declaration	Climate action and white supremacy
A science snippet on urban trees.	UK leads the way on emissions reduction
The deforestation/reforestation of NZ?	Hooray! Vegeterials are coming
HOT TIP: Take 2 to plan travel, saving a 2nd trip	HOT TIP: Help move the climate discussion along



GLIMPSES INTO CLIMATE'S CRYSTAL BALL

Climate Matters 21. 07 04 19	Climate Matters Budget Special 31 05 19
Voting for the climate – local body elections	A tiny climate budget to allocate
The PCE on "Farms, forests and fossil fuels".	Where is the reporting on climate exposure?
Electric buses offer vast benefits	We should be borrowing for climate action.
The US passes "Peak Indifference" to climate	Innovating for "prosperity without growth"
HOT TIP: Help lift candidate's climate priorities	Maxing out vocational training
· · ·	Giving some climate credit where it's due
Climate Matters 22 29 04 19	Climate Matters 25. 21 06 19
Is business getting on track? Climate risk reports.	Climate and Aussie security
Don't give climate deniers even joking traction	Welcoming a big price hike in carbon
The 6 th ,hopeful, wave of industrial development	Nelson's Earth Hub and ACE strategy group
Making the climate challenge personal	Nelson C C commits serious climate funding
The coming "Wall of wood" ; dairy to blueberries?	US energy savings outstrip renewables big time
HOT TIP: Repair more clothes, throw fewer away.	Gravitricity: storing electricity in old mine shafts
	HOTTER TIP: Help fund your kids into EVs
Climate Matters Ag Special 07 05 19	Climate Matters 26. 19 07 19
Ag awareness shows others up - sometimes	Big batteries boon or bane?
Yawning info gaps, just like other industries	A brief alignment of constitutional stars
Carbon price awareness: ag offers lessons	Miracle nitrogen-fixing Mexican maize
Expect carbon pricing certainty but not handouts	Are humans more like hares or rabbits?
	Pioneering hydrogen yacht "Energy Observer"
	HOTTER TIP: Reduce holiday travel 10% per yea
Climate Matters 23. 11 05 19	Climate Matters 27. 10 06 19
Roll up our sleeves for the ZCAB	Special message to local government candidates
8/10 for the Zero Carbon Amendment Bill	A billion trees? No Sweat! Ethiopia shows the way
Data/target/implement/monitor to lower emissions	Emissions from anaesthetic gases
High noon for S Australia's renewable electricity	Potty training cows
Carbon negative beer	Financial markets point to plant-based meat
HOT TIP: Start decarbing: calculate your footprint	HOTTER TIP: Switch quickly to an EV
Climate Matters 24. 28 05 19	Climate Matters 28 21 08 19
Nelson CC declares a climate emergency	Looking for the right Carbon calculator
Short carbon cycles and methane	Scrap the obsolete "growth" mantra.
Climate change: the greatest project of all	One island's amazing carbon calculation
	Urban sprawl 0, growing food 5. The new NPS
What we need is Forest Gumption!	Ubali splawi 0, glowing lood 5. The new NPS
What we need is Forest Gumption! HOTTER TIP: Offset a year, or a lifetime	Data: a monster flying under the radar



GLIMPSES INTO CLIMATE'S CRYSTAL BALL

INDEX (continued)	
Climate Matters 29. 03 09 19 CM 1 st Birthday	Climate Matters 34 10 11 19
Emissions, recessions and Trump	Powerful poetry with environmental insights
We need less inequality not economic growth	Chaos theory's "butterfly effect"?
Amazon fires and the other deforestation	Research on kelp and on red seaweed
Cryptocurrency's ridiculous energy footprint	Wanted, a magic carpet with low emissions
"Dear Fed Farmers, spare us your spin"	Easy-watching, easy-listening info
HOT TIP: Petition the EU not to sign S. Am pact	HOTTER TIP: Never buy a fossil fuel only car
	CM's Valentine's Day poetry competition
Climate Matters 30. 15 09 19	Climate Matters 35 06 12 19
CO2 and thinking ability	Emissions, the Zero Carbon Act, you and me
Microresolutions and climate action	The Zero Carbon Act
Breastfeeding and climate change	The dark side of US fairy lights
Expanding our info sources on climate	
Trump tries to take over the weather	
HOTTER TIP: Offer some votes to young people	HOTTER TIP: Shrink your CO2 footprint 1 kg/ day
Climate Matters 31.1 28 09 19	Climate Matters 36 24 12 19
Getting the climate message across	Welcome, NZs Climate Change Commission
Help from kelp: seaweed and climate	We need to overcome Jevon's Paradox
Getting more from "wall of wood" carbon forests	Was COP 25 a COP OUT?
A tick in the wrong box: Lyme disease and climate	Dear Government, join the dots on biodiesel
HOTTER TIP: Vote for climate-savvy people	HOT TIPS: New Year's microresolutions that stick
Climate Matters 32 10 10 2019	Climate Matters 37 06 01 20
"How dare you?" Greta Thunberg to the UN	Worry about the cost of inaction, not of action
Dear NZ Tourism, get creative	An artist's moving climate message
New power sources for heavy road transport	To lock in emissions keep up bad urban design
When, if at all, is it okay to fly?	C'mon designers, create a smarter digger bucket
HOT TIP: Help councillors and experts get it right	Please help Climate Matters' get on carbon tiptoes
	HOT TIPS: Optimise your garden as a carbon sink
Climate Matters 33 26 10 2019	Climate Matters 38 27 01 20
If I were a mother: Millions of Mothers	The wisdom of indigenous people
Sensational apartment energy savings	Nothing stopping us but lack of political decisions
Transition Engineering	Don't forget we use steel made from coal
Midwives, palliative caregivers and climate	Resource depletion and the sand mafia
Governments falling short on climate	If we each spent \$200 to address climate change
HOT TIP: Help innovation: keep an open mind	HOTTER TIP: Think seriously about a 4-day week



GLIMPSES INTO CLIMATE'S CRYSTAL BALL

Climate Matters 39 10 02 2020	Climate Matters 43 24 05 20 2 for 1 stimuli
The Stockholm Paradigm: Climate and pathogens	"Measure twice cut once" getting stimuli right
Diminishing cloud cover	Is the education system at last learning?
Energy Economy and Environment: Davos	Covid-cleared skies create big benefits
A 500 year timeframe: Being good ancestors	Budget 2020: The good, the bad and the ugly.
HOTTER TIP: Reduce inequality – better for all	
	HOTTER TIP: Plan to embed changed habits
Climate Matters Valentine's Day Special 14 02 20	Climate Matters ONE CHANCE SPECIAL 040620
<i>"It's Personal</i> " by Karla Johnson	Radio NZ special interview
"On Earth, love, and a climate for change" by	Cristiana Figueres
Bruce Gilkison.	Simon Upton
	Achim Steiner
	Guyon Espiner
Climate Matters 40 24 02 20	Climate Matters 44
Cricket learning from climate	Refreshing political cooperation
Pulses and legumes in addressing climate	Parliament puts climate blinkers back on
"The three waters" hit the wall	Imagination insurance
As if anyone though carbon capture was simple	Climate messaging on the rock chars
HOTTER TIP: Offset all your driving	HOTTER TIP: Elect a climate savvy government
Climate Matters 41 28 04 20 Covid issue	Climate Matters 45 12 02 2020
Giving people back priority in towns	Pure Advantage Regen Ag
Managing food carefully	New World electric truck
Covid-19 emissions drop and Net Zero 2050	Methane and tundra thawing
Don't go back to GDP growth	Hello Houston – the good and the bad
HOTTER TIP: Make Covid count for climate	Meatless meatballs
	Deficiency of low density subdivisions
	HOT TIP: Reduce one thing in your life by 10%
Climate Matters 42 12 05 20 "Less is more"	Climate Matters 46 04 08 2020
Is less regulation the right approach?	QUESTIONS FOR CANDIDATES
More regenerative agriculture	Why is the 1.5° C overheating limit SO important?
"Truck" isn't a four-letter word.	What's your policy to decarbonise 10% each year
Less traffic = more livability	How can we decarbonise and with GDP growth?
A tip top tap tip for less waste	Why must COVID recovery also target climate?
Less inequality more important than ever	What's your policy to slash transport emissions?
HOTTER TIP: Grab the chance, make the change	HOTTER TIP: Step up and challenge politicians



GLIMPSES INTO CLIMATE'S CRYSTAL BALL

INDEX (continued)	
Climate Matters 47 03 09 20 CM 2 nd birthday issue	Climate Matters 52 24 12 2020 "Climacteric"
The speed sweet spot: less cost, risk, CO2, stress	Calling out Shaw for euphemising climate
The TOP party gives up on climate without trying	Build flat out the right things in the right places
Hydrogen power: NZ takes a serious step forward	Building the wrong things in the wrong places?
Inequity on the boil: heat stress and poverty	Tesla goes form strength to strength
HOT TIP: Habituate leaving earlier, driving slower	
	HOT TIP: Use car aircon less
Climate Matters 48 20 09 202009 18	
Are we doing enough?	Electrifying pictorial quiz
Do scientists overstate climate change?	How can we shake our wooden thinking on wood?
Can we enjoy life and cut back heaps?	Lessons for NZ from Decarbonising the Big Apple
Isn't a 2 deg limit tougher than a 1.5 deg one?	Satellites "pass the baton" on sea level rise.
Isn't NZ too small to make a diff?	
HOTTER TIP: Why reducing inequality matters	HOT TIP: Plan trips so you drive smoothly
Climate Matters 49 06 10 2020 Election Special	Climate Matters 54 25 01 2021 "Hyperobject"
A great chance to really sort our climate thinking	A government test: coming CCC emissions targets
Policies make it easy to decide how to vote	The Lancet on the importance of climate stories
Lots of analysis, one conclusion	Biden on Covid could be Biden on climate
The maths points to party vote Green	Getting urban trees right
The importance of good climate policy.	HOTTER TIP:: Tell your MP to listen to the CCC
Climate Matters 50 18 10 2020	Climate Matters
Post election "Hope and Courage" special	Trucking towards a better future
	Cognitive dissonance: climate crisis yet BAU
	Build a better way of building back better
	Why we must restrict importing fossil fuel cars
HOTTER TIP: Advocate on climate to your MP	
	HOT TIP:: Explain their folly to new SUV owners
Climate Matters 51 15 11 2020 A timber special	Climate Matters 55 09 04 2021
Rate of global deforestation	Trucking for a better future competition
Thumbs up for "The Age of Wood" book	Declare a climate emergency and celebrate BAU?
Astonishing stats on electricity from biofuel	Building a better way ot building back better.
"Which wall of wood"? Global pricing chaos.	Why we should clamp down on fossil fuel imports
Our billion trees in context HOTTER TIP: Buy less stuff	HOT TIP: Many purchasers of new SUVs put their image head of their kids' future



GLIMPSES INTO CLIMATE'S CRYSTAL BALL

Climate Matters 56 22 04 2021 EARTH DAY	Climate Matters 60 23 06 2021
Does anyone think we shouldn't be changing?	6/10 for the CCC advice to government
The tightrope between palatability and honesty	Improved EV battery performance
Climate music: updating Vivaldi's "Four Seasons"	Parliament, shoot higher than the CCC advice
The transport sector steps up on emissions	Overcharging for EV charging
14 decades of overheating; 14 years of pollution	HOTTER TIP: Check out working a 4 day week
HOTTER TIP: Plan to reduce fossil fuels 10% p.a.	
Climate Matters 57 04 05 2021	Climate Matters 61 12 07 2021
A milestone in Aussie renewable generation	Will "Ecocide" become an international crime?
Video: Aussies alarming EV policy	Resilienz/NZ Trucking competition results
And the Earth moved – on its axis, from ice melt	Lyttelton sea level rising more quickly
Aussie plug and play trucks disruptive technology	50 years of energy change in a 30 second graphic
	Hooray for "yes in my backyarders"
HOT TIP: Take Levi's tip and buy fewer clothes.	HOT TIP: ask your MP for max climate response
Climate Matters 58 18 05 2021	CM "Be the Engine of change" special
We need a cultural and spiritual revolution	1. Just in time is far too risky
The launch of the Good Food Group	2. Come down hard on rush hour jams
George Lakey walks for climate justice.	3. Tighten ag gases, boost regen ag.
Now you see it now you don't: Tesla rejects Bitcoin	4. Exhaust all options before offsetting
We're all falling into the trap of "Net Zero CO2".	HOT TIP: Push yourself to push your MP.
HOTTER TIP: Parents, help kids into their EVs	
Climate Matters 59	Climate Matters 62 11 08 2021
Running seriously out of time for climate action	Plan B for All Blacks sponsorship
A great timber building in Christchurch	IPCC 6 th assessment report
Transport sector: right problem, wrong answer	Global Biomass Carbon
"Enough of not enough" in the budget.	Money does grow on trees
HOTTER TIP: ask MPs how to decarb 10% p.a.	A gap in our approach to a just transition
Climate Matters Ag & Climate Special 07 06 21	HOT TIP: Speak out against AB's oil sponsors.
Signs that methane targets are too soft.	Climate Matters 63 25 08 2021
Less on land use change more on new	Black e-clouds loom over gaming
techniques	"Eat your greens!" and the NY Times
More indigenous trees fewer exotics	Vampire power: some EV's "on" when they're "off
Good insights but deep unanswered questions	Put our emissions in lockdown: a Covid lesson
	HOT TIP: assess your CO2 with a carbon tool.



GLIMPSES INTO CLIMATE'S CRYSTAL BALL

Climate Matters 64 03 09 2021 CM turns 3!	Climate Matters RUGBY SPECIAL 29 10 2021
Wildfire smoke across the US.	Kiwis in Climate join the scrum
Smoke and mirrors: the ETS gets speed-wobbles	Flashback to Zero CO2 All Blacks
Not smoke: Rock dust ticks a lot of boxes.	All lacks on the wrong side of history
Smoke and not smoke: EVs vs ICEs	The oil industry up against Congress
Forceful demand from combined medical journals	"Coalfondler Morrison" Aussie video clip
HOTTER TIP: Cut CO2 ASAP: use biofuels	The "Carbon heist": communities vs corporates
Climate Matters 65 20 09 2021 "Plan B?	Climate Matters A POST COP26 POST
Govt ignores the "ergency" in emergency.	Personal take on COP26 mostly thumbs-down
Climate Action Tracker gives NZ a lousy rating	Sympathy for the visionary climate groups
Daunting logistics of energy transformation	We need better forms pf collective action
John Lang COP26 explainer graphic	"The meek shall inherit the Earth"?
	Decoding JamesShawSpeak
Easy TIP: put on a jersey before a heater	HOTTER TIP: Feel the fear and get involved
Climate Matters 66 14 10 2021	Climate Matters 67 9 12 2021
Save a power station with warm clothing	Why flying 1 st Class has such high emissions
The arts speak on climate to our hearts	Global overheating decimates turtle breeding
When the lights don't work: energy shortages	Scania's 80 tonne electric forestry truck
A glass half full cartoons	Inside Government thinking: Great MFAT webinar
HOTTER TIP: Try carbon budgetting driving	The mother of all pie charts Visual Capitalist
	HOTTER TIP: Climate emergency to do list
Climate Matters COP26 SPECIAL	Climate Matters 68 21 12 2021
Avoiding the "shallows and miseries"	Carbon foodprints for Christmas
Hats off to journalist Rod Oram	A gift to Mother Earth:
Vested interests try to distort reporting	My time and learning
Human Rights Council appoints Climate advocate	My commitment My courage
HOTTER TIP: Train families in low-energy living	
Climate Matters	Climate Matters 69 03 01 2022
	The end of "continuity consensus"
THIS SPACE IS FREE!	Where does all the surplus CO2 end up?
ADVERTISE HERE TO SAVE THE PLANET!	Don't let "difficult" be seen as "too difficult"
	Why doing it tough natters
	HOTTER TIP: Step outside your comfort zone



GLIMPSES INTO CLIMATE'S CRYSTAL BALL

Climate Matters 70 22 01 2022 Cold showers	Climate Matters 75 2022 05 01 Take a break!
Icy: The science of a ghastly future	NASA's climate spiral
Hot: Rethinking skifields	Floating signifiers and sinking ones NZ and IPCC
Freezing: outlook beyond scientists grasp	A climate bouquet for vegan All Black Perenara
Luke-warm: beavers for better or for worse	Maybe a climate bouquet for Saveboard
Very cold: 6th mass extinction: what to expect	The carbon cost of keeping us well – Lancet repor
HOTTER TIP: Read one of the linked articles	HOTTER TIP: Take a break
Climate Matters 71 14 02 2022	Climate Matters 76 2022 05 25 ERP and Energy
2 nd Truck drivers climate competition	We're at the mercy of Net Energy Gain
Get passenger trains back on track	We badly need renewables, but they suck!
Tasman Councils active transport plan rocks!	ERP's wrong perspective on our current grid
The Lancet on Urban Design	Are we subsidising stranded (EV?) assets?
Innovative EV charging options	In the end we can live well with less energy
HOTTER TIP: Conduct a transport experiment	HOTTER TIP: Get to grips with the Keeling Curve
Climate Matters 72 02 03 2022	Climate Matters 77 2022 06 08
Calculating the carbon bootprint of war	Snow testing E-Utes
"Crazy blood Greens" film	BusinessDesk stops reviewing straight ICEs
NZ Geographic on mental blocks to change	Stella Vita, the self-charging campervan
Stopping Russian gas to the EU	Send a postcard to your MP – on the ERP
Are soaring carbon markets self-defeating?	Are Oilcos just Putin's cousins in drag?
HOT TIP: Turn your compost, reduce methane!	HOTTER TIP: Follow the CM podcast series
Climate Matters 73 20 03 2022 Energy for energy	Climate Matters
An elevator pitch for EROEI	
Another reason for Nuclear Free NZ	
Minister Woods can't see the wood for the trees	
When is a floating signifier not a floating signifier?	
Sponsorship: not a level playing field?	
HOT TIP: Dry your firewood.	
Climate Matters 74 07 04 2022 Give Govt a shove	Climate Matters
A time like no other for climate	
IPCC roadmaps to the future	
Government feeble track record	
Imminent Emissions Reduction Plan	
Future Development Strategies	
HOTTER TIP: Speak up now to government	/ / L