

From Urban Climate-- newsletter with a new award for early/mid career scientists

Dear Colleagues,

I hope that this email finds you and your family safe and well at this difficult time. Here is the link to our latest newsletter, as usual packed full of interesting, useful and topical information <http://www.urban-climate.org/wp-content/uploads/IAUC075.pdf>

Kind Regards

Nigel Tapper

Professor of Environmental Science, School of Earth, Atmosphere and Environment, Monash University (e) nigel.tapper@monash.edu

We acknowledge the Traditional Owners and Elders past and present of all the lands on which Monash University operates

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New Zealand weather and climate news

Courtesy of MetService Librarian

MetService mentions

NZDF picks up workers on Rangitāhua / Raoul Island in time for Covid-19 lockdown

Conservation Minister Eugenie Sage says she is grateful to the Defence Force for helping retrieve conservation, MetService and GNS staff trapped on a remote island 1000km north of Auckland.

Wild weather for West Coast

Civil Defence is warning heavy rain, swells and strong winds are headed for the West Coast over the next 36 hours.

Weather: snow and gales predicted for Easter Monday

The run of golden lockdown weather is about to come to an end, with a front predicted to bring snow to the South Island and gales to the lower North Island on Monday.

Heavy rain warning for Canterbury south of Arthur's Pass

Stuff.co.nz

MetService forecaster April Clark said Aoraki/Mt Cook was included in the heavy rain warning. "As the front moves down the country, expect heavy rain ...

Weather: It's going to be a windy week in Hawke's Bay

New Zealand Herald

A **Metservice** spokeswoman said the wind would mainly affect exposed coastal areas but could be strong all around the region.

Covid 19 coronavirus lockdown: Easter weather to deteriorate across New Zealand

New Zealand Herald

... the front and the MetService has issued a string of watches and warnings. ... particularly in the south, MetService duty meteorologist Kyle Lee said.

Easter weather: Settled start to holiday weekend before the temperature dives and rain hits

New Zealand Herald

Today and tomorrow should be mostly fine, MetService said, but gale-force winds and rain look likely to batter the country from Sunday onwards.

After Easter's sunny start, storm clouds are gathering

Stuff.co.nz

MetService forecast heavy rain at various times during Sunday and Monday along the west of the South Island, including for Buller and northwest ...

Rough weather to follow Good Friday stunner

Otago Daily Times

MetService said an active front was expected to move east over the country during Sunday and Monday, preceded by rain and strong northerly winds.

Crucial tips to prepare for power outages in lockdown as storms expected over Easter

Newshub

Metservice says stormy weather is predicted for Sunday and Monday with cold rain and strong winds expected all over New Zealand, with power ...

WMO

Arctic ozone depletion tracks at record levels

Posted:

Depletion of the ozone layer, the shield that protects life on Earth from harmful levels of ultraviolet radiation, is at an unprecedented level over large parts of the Arctic this spring because...

International Cloud Atlas translated into official UN languages

Posted:

The International Cloud Atlas - the global reference for identifying clouds – has been translated into Arabic, Chinese, French, Russian and Spanish.

ECMWF

The other guys (Weatherwatch, BlueSkies, etc)

Volcano alert/watch

Eruption at Indonesian volcano Krakatoa

The Indonesian volcano Krakatoa, also known as Krakatau, has reportedly erupted.

Reports say it sent a plume of ash several kilometres into the air, with a boom that could be heard from far away.

Extreme weather (and other news) – Australia and the Pacific

Popular beach resort in Tonga severely damaged by Cyclone Harold

The resort has been severely impacted by king tides, which coincided with the severe cyclone that tore through Tonga.

NASA continues tracking Tropical Cyclone Harold's excessive rainfall

Phys.Org

Satellite data was used to calculate the rainfall generated as Harold moved ... Tropical cyclones/hurricanes are the most powerful **weather** events on ...

Extreme weather (and other news) – Asia and the Middle East, Africa

Royal Rainmaking Operations step up efforts in east Thailand

Pattaya Mail

While efforts to produce rain have been stepped up, officials have noted **weather** conditions have impeded work. Nonetheless, they have urged ...

Extreme weather (and other news) – Americas and Europe

UK weather forecast: Highs of 24C set to break 110-year record this Easter as Britain sizzles

Mirror.co.uk

The **Met Office** also forecasts highs of up to 24C today and Saturday, while The Weather Outlook predicts 25C on Friday. Health chiefs are urging Brits to ...

As tornado outbreak looms, meteorologists say to put shelter above coronavirus concerns

Washington Post

People should go to public tornado shelters if they're available and the best refuge, a **meteorology** group says. Kim Carmichael picks up items from her ...

International news and research

Hundreds of America's TV meteorologists are working from home. Here's how they do it.

Washington Post

Living rooms, basements and garages have been transformed into makeshift television studios. A compilation of NBC and Telemundo **meteorologists** ...

Weather Forecasting and Crunching the Ever Changing Data

Computer Business Review

This **data** driven **weather forecasting** firm recently started to use the cloud **data** platform Snowflake to get around the not so easy challenge of ...

A New Normal: How Private Sector Meteorologists Are Adjusting Amid COVID-19 Coronavirus ...

Forbes

Speaking with Allan Persons, a senior **meteorologist** at DTN (Disclosure: this author works for DTN), "Our **meteorologists** have been participating in ...

Aviation

Coronavirus: Will Air NZ and Qantas be winners, losers or merely survivors?

OPINION: Most of us can probably recall a party we attended where there was an unwelcome guest present who spoilt the evening.

Air New Zealand and the 'black swan' event that brought air travel to its knees

For Air New Zealand, 2020 was supposed to be a year of celebration but it quickly turned into what will be one of the airline's darkest chapters.

Coronavirus: 128,000 job losses and \$13 billion hit to GDP after three months of travel restrictions, Iata says

New Zealand will lose nearly 130,000 jobs linked to the aviation industry after just three months of coronavirus travel restrictions, an international aviation association says.

Coronavirus: Milford operator raises safety concerns over closure of flight information service

Stuff.co.nz

Air Milford chief executive Hank Sproull said the weather in Milford could change dramatically ... Earlier this year Airways started discussions with the airport operator (Ministry of Transport) about the future of services at Milford Sound ...

Experimental service bringing weather forecasts to 61 Alaska airports

AOPA Pilot

The automated system known as Alaska Aviation Guidance, provided by the National Weather Service, offers a decoded, plain-language forecast that .

Virgin Australia Grounds Almost All Domestic Flights, Seeks Government Aid

The New York Times

... June 15, as it continues to seek government aid to weather the coronavirus crisis. ... "All levels of government, airports, airlines and the whole sector will need to ... It will continue local and international cargo flights, the airline said.

Air France-KLM Expects Only 'Skeleton Operation' Through May

Yahoo Finance

As part of its efforts to weather the deep slump, Air France-KLM drew on a credit facility to raise available liquidity to 5.5 billion euros and has reduced ...

Pilotless Passenger Planes – How Far Away Are They?

Simple Flying

Airplane manufacturers are already planning for single-pilot cockpits. Research shows entirely pilotless planes could save airlines \$35 billion per ... the autopilot's ability to respond to external circumstances such as bad weather.

Covid-19 / Business

New report quantifies the wellbeing costs of Covid-19 - New Zealand Initiative

A new report Quantifying the wellbeing costs of Covid-19 by the New Zealand Initiative shows how an economic hit of about 6.1% of GDP would be justified if it meant saving 33,600 lives during the Covid-19 pandemic.

Energy and Mining

Uncertainty over fossil fuel exploration after OMV's Maui-8 decision

The future of offshore oil and gas exploration in New Zealand in doubt after OMV announced today it is postponing drilling its Maui-8 exploration well indefinitely due to the Covid-19 crisis.

US **power demand** falls to 16-year low as coronavirus cuts use by companies

Reuters

Energy traders noted **power** use also declined last week as mild **weather** kept heating **demand** low across much of the country. EEI said **power** output ...

Health

Weather temperature not linked to coronavirus spread, study finds

A new study found that there is no link between the spread of the new coronavirus and meteorological factors such as temperature and ultraviolet radiation, according to MedPage Today.

SARS-CoV-2 May Confound Seasons, Persist in Warmer Months, Report Shows

Although conflicting, the available data indicate that SARS-CoV-2 could continue to spread in warmer spring and summer months in the US, according to a new report from the National Academies of Science, Engineering, and Medicine (NAS).

Infrastructure

Social distancing: more funding on way for wider footpaths, new cycleways

Extra funding will be provided by the government to help councils expand footpaths and roll out temporary cycleways, so people can keep two metres of physical distance, once the lockdown ends.

Satellites and radar

Weather Talk: The 60th anniversary of TIROS-1

Grand Forks Herald

TIROS-1 only functioned for 78 days, but it changed **weather forecasting** forever by giving meteorologists the ability to identify and monitor storms in ...

Tourism

Coronavirus: Scaled back services likely for Mt Ruapehu's winter ski season

Stuff.co.nz

Mt **Ruapehu's** ski fields will likely have scaled back services if the winter ... winter by using various scenarios based on the government's **alert** levels.

Cloud seeding / Geoengineering

Altering clouds to counteract global warming cast in doubt by Irish scientists

The Irish Times

Marine cloud brightening – an engineering technique also known as cloud seeding or cloud engineering – is a theoretical form of solar radiation ...

UAE undertook 95 cloud seeding operations in Q1 2020

Gulf Business News

The UAE's National Centre of Meteorology (NCM) confirmed on April 12 that it had undertaken 95 cloud seeding operations across the country in Q1 ...

Things to entertain

12 Free Things to Watch, Listen to, and Learn in Quarantine

Our culture writers' top picks for how to stay entertained—without a streaming subscription

Coronavirus: How to get your arts and culture fix in Covid-19 lockdown

Past the halfway point of coronavirus lockdown, it's likely your entertainment options are looking tired: you've rinsed Netflix, exhausted Neon, and that adult colouring book is lying discarded down the side of the sofa.

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Thanks for today's contribution