

New Zealand weather and climate news

Courtesy of MetService Library

MetService mentions

Heavy rain on the West Coast closes roads and cuts power

Stuff.co.nz

Heavy rain hammering the West Coast has caused power cuts and closed roads. MetService is predicting further heavy rain to fall on the West Coast ...

Smoke from Australia bushfires continues to affect New Zealand

Newshub

According to MetService, a strong northwest flow covering much of the ... On Monday, the South Island is expected to see some smoke, MetService ...

Came a hot Friday

Gisborne Herald

MetService says yesterday's maximum temperature of 37.1 degrees recorded at its official station at Gisborne Airport was the result of "clear skies and ...

Heavy rain, wind warning for parts of South

Otago Daily Times

MetService has issued a warning for significant heavy rain for the headwaters of Otago lakes and rivers over the next few days. A series of fronts are ...

Fire crews on high alert as scorching hot temperatures and strong winds set to sweep across ...

Stuff.co.nz

Canterbury fire crews are on high alert as strong winds and scorching heat sweeps across the region on Sunday. According to MetService ...

Heavy rain warning for headwaters

The MetService has issued a warning of significant heavy rain for the headwaters of Otago lakes and rivers over the next few days.

Hot hot hot: More 30+ degree temperatures set to linger around NZ

Stuff.co.nz

As temperatures in Gisborne reach towards record highs, the hot, dry weather is set to linger this weekend. According to MetService, more 30 degree ...

Hottest day of summer sees Gisborne hit 37 degrees

RNZ

MetService recorded temperatures of 35C in Napier, 34C in Hastings and Blenheim, 33C in Whakatāne, 32C in Tauranga, 31C in the Bay of Islands ...

Gisborne records its warmest temperature since 1940 and New Zealand's hottest so far this summer

TVNZ

MetService told RNZ the hot weather is being driven by a slab of humid air sliding towards New Zealand from the tropics this weekend in a ...

Hot temperatures across NZ continue as parts of the country experience record-breaking dry spells

TVNZ

MetService says this extended dryness throughout the country in the month of January has resulted in a soil moisture deficit in many areas throughout ...

Strong wind warnings issued as hot, dry conditions put firefighters on edge

TVNZ

... with a strong west to northwest flow ahead of a front that is expected to continue to affect the lower North Island today, according to MetService.

MetOcean

3 Reasons Why Weather Buoy Market May See Potentially High Growth Factors

Science of Change

The study provides information on market trends and development, drivers, capacities, technologies, and on the changing dynamics of Global Weather ...

From “Green” to “Blue Finance” Integrating the Ocean into the Global Climate Finance Architecture

A collaboration between the LSE Institute of Global Affairs and the LSE Grantham Research Institute on Climate Change and the Environment with contributions from academics, researchers and organisations addressing the strongly interlinked climate threat and the health of the Ocean.

How to read a wave and learn to bodysurf this summer

If you're anywhere near the coastline in Australia this summer, chances are at some stage you'll end up in the ocean.

But if you're not super familiar with waves, the thought of getting out there yourself can be pretty daunting.

Extreme weather (and other news) – Australia and Pacific

Records broken as dangerous fire weather escalates

9News

Australian heat records were smashed today with three capital cities surpassing 40C, as forecasters warn dangerous weather conditions will continue ...

Revised weather messaging aims to prevent repeat of 2019 mass cattle deaths in Qld monsoon

Almost a year to the day after flooding in north-west Queensland killed more than 500,000 head of cattle, the monsoonal rain was forecast again.

Destructive winds tear down power towers, trees and damage homes across Victoria

"Life-threatening flash flooding" has been forecast for large parts of Victoria today as the state barely recovers from a hot, humid, and windy night that brought down transmission towers.

World-first 3D map shows smoke plumes from Australian bushfires as captured from space

9News

In a world-first, an interactive map depicting the height of smoke plumes from bushfires during the peak of Australia's bushfire crisis has been released.

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

War Room Created as PM2.5 Dust Levels Spike in Northern Thailand

Chiang Rai Times

Where the burning of fields combined with the dry weather has resulted in unsafe levels of fine PM2.5 dust levels. Forest Fires affecting less than 100 ...

Extreme weather (and other news) – Americas and Europe

'Danger to life' wind warning issued for Edinburgh as Met Office predicts gales

Edinburgh Live

The Met Office has issued a weather warning that includes Edinburgh, as the capital is set to be battered by high winds on Monday - gusts of over ...

A 'Category 5' winter storm? Weather Service's new rating scale is a promising new communication ...

Washington Post

As meteorologists, how do we do a better job of setting expectations with the public? In spite of Doppler and high-resolution weather models, it's still all ...

International news and research

Hurricane experts should look to the water, not the wind for accurate predictions, new study says

Phys.Org

A new study indicates that meteorologists should shift their attention from a hurricane's maximum sustained wind to the "minimum sea level pressure" ...

Email release reveals chaos sowed by President Trump's hurricane tweets

Ars Technica

For meteorologists and senior leaders at NOAA, the first week of September 2019 is one they're never going to forget. Amidst the tumult of Hurricane ...

BBC develops technology that could let people 'feel' the weather by simulating the sense of rain ...

Daily Mail

BBC develops technology that could let people 'feel' the weather by simulating the sense of rain, snow or sunshine as you put your hands near an ...

Not A Meteorologist? You Can Still Work In Weather

Forbes

There are thousands of career options in the weather industry, and meteorologists are filling many of them. But, it is the non-forecasting, technical ...

Surface Pressure a Better Indicator of Hurricane Damage Potential, New Study Says

The Weather Channel

Surface pressure – the same metric that we all use to guess if the weather is ... A new study proposes that sea-level pressure is a better metric for ...

Tropical regions face a 'perfect storm' of droughts, hurricanes and floods created by climate change

Infosurhoy

Dr Filipe França said that at the end of 2015, Santarém in the Brazilian state of Pará was one of the epicentres of that year's El Niño impacts.

The cost of atmospheric rivers are on the rise as they get bigger

The Weather Network

Wednesday, January 29th 2020, 6:49 pm - The Pineapple Express is one of the most famous atmospheric rivers because it can bring torrential rain, ...

New global record 'likely' within five years

Latest predictions suggest that Earth's global average temperature is likely to reach record warmth during the five-year period 2020-2024.

Aviation

Are impacts from bad weather underestimated in aviation accidents?

AccuWeather.com

The aviation accident that killed Kobe Bryant and eight others flying in a helicopter in California may seem like a rare, horrific tragedy, an unusual ...

Health

Rapid weather variability could increase risk of a flu epidemic

New research from a team of Florida State University scientists shows that rapid weather variability as a result of climate change could increase the risk of a flu epidemic in some highly populated regions in the late 21st century. The research was published today in the journal Environmental Research Letters.

Dozens of previously unknown viruses discovered in 15000-year-old glaciers

The Weather Network

Wednesday, January 29th 2020, 12:26 pm - The study warns that rapid glacier around the world has the potential to release ancient viruses and ...

How to survive a heatwave: Tips on how to stay cool and why sleeping naked won't help during those sweaty nights

A heatwave that brewed up over inland Western Australia is making its way south and east, meaning much of Australia is about to experience sweltering temperatures.

Space weather

Space super-storm likelihood estimated from longest period of magnetic field observations

A 'great' space weather super-storm large enough to cause significant disruption to our electronic and networked systems occurred on average once in every 25 years according to a new study.

Climate change / global warming / sea level rise

SOCIAL CONSEQUENCES OF CLIMATE CHANGE

Building Climate Friendly and Resilient Communities via Transition from Planned to Market Economies

The global climate change is one of the most dangerous threats to human society in the 21st Century. The dramatic losses have already been observed, and the risks are rising over time.

This paper explores what are the priority challenges for CEECCA countries and how to address them effectively.

'The Climate Trail': Survival game pits players against climate catastrophe

The developer wants to tap into people's emotions to teach them about the risks of unchecked climate change.

Climate change splits the public into six groups. Understanding them is key to future action

In Australia there is now widespread public acceptance of the reality of climate change; we seem to see its effects almost hourly.

Cloud seeding / Geoengineering

Iran to carry out cloud seeding project within two weeks

Tehran Times

TEHRAN – A cloud seeding project will be carried out within the next two weeks in some northern, central and southern provinces of the country, Farid ...

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John Maunder Weather Eye

<https://www.sunlive.co.nz/blogs/14328-tauranga-annual-average-afternoon-temperatures-19142019.html>

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