

## **New Zealand weather and climate news**

### **Courtesy of MetService Library**

#### **MetService mentions**

#### **Dry affecting large areas of region forecast to continue**

Otago Daily Times

**MetService** meteorologist Tahlia Crabtree said no significant rain was forecast for the area for the rest of March. Over the past 30 days, Dunedin has ...

#### **EXpert Feature: Clouds**

This week for our expert segment we're talking about the white fluffy stuff in the sky!

Former MetService Severe Weather Meteorologist Erick Brenstrum is joining us to answer all your questions about clouds, and more.

Erick, who's also the author of The New Zealand Weather Book, joins Jesse from the Wellington studio.

#### **WMO**

#### **World Meteorological Day celebrates the ocean, our climate and weather**

Geneva, 22 March (WMO) - The ocean drives the world's weather and climate and anchors the global economy and food security. Climate change is hitting the ocean hard, but also increasing hazards for...

#### **WMC Beijing held annual conference to propel high-quality development - China Meteorological Administration**

World Meteorological Centre Beijing (WMC Beijing) held the annual working conference on 9 March in Beijing. The conference reviewed the works in 2020, discussed the development priorities for next...

#### **Boosting Singapore's Climate Science Capabilities – The Climate Science Research Programme Office**

Launched on 5 November 2020, the Climate Science Research Programme Office (CSRPO) under the Centre for Climate Research Singapore (CCRS), will play a key role in Singapore's response to the...

### **New water and climate coalition launched ahead of World Water Day**

Posted:

A new Water and Climate Coalition has been launched to achieve more effective integrated policy-making in an era when climate change, environmental degradation and population growth has exacerbated...

### **Volcano alert/watch**

Renewal ensures wing, Volcanic Ash Advisory Center partnership endures

Air Force Link

Operated by the 2nd WS's **Weather Intelligence Flight**, analysts are tasked with monitoring 1,500 active volcanoes around the globe 24/7 with a ...

### **Extreme weather (and other news) - Australia and the Pacific**

#### **Floods hit New South Wales**

Insurance Business Australia

... statement sent to Insurance **Business** in response to the severe **weather** and flooding battering New South Wales, particularly around the Mid-North ...

#### **BOM warns more wild weather to come as tropical cloud band collides with east coast trough**

"Absolutely incredible" totals are set to continue as weather systems collide, bringing a peak to the rain overnight and into Tuesday.

#### **Catastrophe declared for NSW as 11700 insurance claims submitted for flood damage**

The Guardian

Claims to be fast-tracked as extreme **weather** events put growing pressure on regional Australia and the **insurance** industry. Follow the Australia floods ...

### **Australia Battered by Worst Flooding in 60 Years**

Insurance Journal

Two major **insurers** said most of the more than 3,300 claims they received ... The rain submerging large swathes of the state contrasts with **weather** ...

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

#### **Southwest monsoon last year was the third wettest for Singapore since 1981: Met Service**

TODAYonline

Previously, MSS reported that June 2020 was the second coolest June in 20 years and the wettest in 10. It ended a record 28 months of above-average ...

#### **Rain, Rain Go Away: Behind The Scenes Of Weather Forecasting With MET Malaysia's Director ...**

Rojak Daily

“Our biggest responsibility actually is dealing with the **aviation meteorology** where we supply information to the **airlines** – military and civil **aviation**,” he ...

### **Extreme weather (and other news) – Americas and Europe**

#### **Europe could experience warmer than normal April-June, says Weather Company**

Reuters

The **Weather Company**, owned by IBM Corp, provides weather forecasts aimed at the commodities and energy markets. It said forecasts suggest April ...

### **International news and research**

#### **Explosive origins of 'secondary' ice and snow**

Posted: 22 Mar 2021 02:50 PM PDT

Scientists publish new direct evidence that shattering drizzle droplets drive explosive 'ice multiplication' events. The findings have implications for weather forecasts, climate modeling, water supplies -- and even energy and transportation infrastructure.

### **What is a 1 in 100 year weather event? And why do they keep happening so often?**

People living on the east coast of Australia have been experiencing a rare meteorological event. Record-breaking rainfall in some regions, and very heavy and sustained rainfall in others, has led to significant flooding.

### **Minister Wilkinson Congratulates the Meteorological Service of Canada on 150 Years of Service to ...**

Canada NewsWire

"Since 1871, the MSC and its partners have continuously adapted and harnessed the latest science and **technologies** to meet the needs of Canadians ...

### **NOAA launches major upgrade to flagship 'American' weather prediction model**

Washington Post

... while integrating more sources of **data** from weather satellites and ordinary aircraft. ... The European Center for Medium Range **Weather Forecasting**, or ECMWF, has a model that is generally considered better than the GFS.

### **Botswana calls for improved weather data collection**

Xinhua

GABORONE, March 23 (Xinhua) -- Botswana has emphasized the need to improve **weather forecasting**, monitoring and research, as efforts to combat ...

### **IMD launches portal with India's century-old meteorological data**

The Indian Express

"In order to improve the overall **weather forecasting**, we cannot ignore ocean **data** and services. In recent years, IMD has advanced its ocean services ...

### **Irish Marine Data Buoy Observation Network Celebrates 20th Birthday (Video)**

Afloat

The Irish Marine **Data** Buoy Observation Network (IMDBON) has provided crucial **data** for **weather forecasting** and safety at sea for the past 20 years ...

### **GÉANT and EU meteorological satellite organisation sign new contract for connectivity links in ...**

Science Business

The **data** and products from EUMETSAT's satellites are vital to **weather forecasting** and make a significant contribution to the monitoring of the ...

### **Weather companies**

#### **As Identity Concerns Reach An Inflection Point, The Weather Company Leans Into Subscriptions**

AdExchanger

**Weather Channel** app Even though The **Weather Channel's** advertising business remained strong during the pandemic, relying on advertising alone ...

### **Farming/horticulture/Aquaculture**

#### **Hail storm fallout leaves hop crop down by up to 60 per cent**

Stuff.co.nz

“This year with the dull low light **weather** it's taken a lot longer for the hops to ripen – it's ... The **company** had to lay off “a couple of staff” prior to harvest.

### **Health**

#### **Climate change: Calls for public health expert to be appointed to commission**

A public health expert should be appointed to the Climate Change Commission, a number of health organisations say.

## **Hydrology / Flooding**

### **Why do people try to drive through floodwater or leave it too late to flee? Psychology offers some answers**

New South Wales is currently in the grip of one of largest flood events in decades. The NSW SES is helping thousands of people evacuate and has received more than 2,000 calls for help in the last 24 hours.

### **Not 'if', but 'when': city planners need to design for flooding. These examples show the way**

As the current New South Wales flooding highlights, it's not enough to continue to build cities and towns based on business-as-usual planning principles — especially as these disasters tend to disproportionately affect disadvantaged populations, increasing inequality in Australia.

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Welcome to AMS News You Can Use.

Each week, we send out a sampling of recent news and items of interest in meteorology and related fields, as covered by various media outlets.

#### US weather model upgraded to better forecast extreme events

Phys.org - March 23, 2021

The National Weather Service has turbocharged its lagging forecast model to better predict extreme weather events such as hurricanes, blizzards and downpours, as well as day-to-day weather.

#### Decommissioned NOAA weather satellite breaks up

SpaceNews - March 20, 2021

A polar-orbiting weather satellite decommissioned nearly eight years ago has broken up, adding to the growing debris population in a key orbit.

#### Explosive origins of 'secondary' ice and snow

ScienceDaily - March 22, 2021

Scientists publish new direct evidence that shattering drizzle droplets drive explosive 'ice multiplication' events. The findings have implications for weather forecasts, climate modeling, water supplies -- and even energy and transportation infrastructure.

Volcanic Eruption Lights Up Iceland

NASA - March 23, 2021

Late on March 19, an eruption officially began as lava broke through the surface near Fagradalsfjall, one of several shield volcanoes on the peninsula.

'Winter is vanishing' from the deep waters of Lake Michigan

CNN - March 22, 2021

As the globe continues to warm at an astonishing rate due to climate change, winter is shrinking at depths we've never known before, including the Great Lakes.

Meteorologist, climate expert, zombie slayer: a Q&A with J. Marshall Shepherd

Grist - March 19, 2021

“I’m hopeful that there will be a conversation about solutions.”

Rating tornado warnings charts a path to improve forecasts

University of Washington - March 2, 2021

A study from the University of Washington and the National Oceanic and Atmospheric Administration describes a new way to rate and possibly improve tornado warnings.

World Water Day Highlights Value of Water

The Weather Channel - March 21, 2021

The report is released each year on World Water Day. This year, it focuses on water waste and misuse, and the dangers of failing to place a value on water.

We’re underestimating the destructive power of tornadoes, study shows

The Washington Post - March 22, 2021

Many are at least a category stronger than their ratings have suggested, analysis finds.

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Weather Eye with John Maunder

<https://www.sunlive.co.nz/blogs/15466-the-southern-oscillation-index1880-2021.html>

[https://thebfd.co.nz/2021/03/27/the-winner-of-fifteen-shades-of-climate-by-dr-john-maunder-is/?utm\\_source=envelope&utm\\_medium=website&utm\\_campaign=SocialSnap](https://thebfd.co.nz/2021/03/27/the-winner-of-fifteen-shades-of-climate-by-dr-john-maunder-is/?utm_source=envelope&utm_medium=website&utm_campaign=SocialSnap)

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