

New Zealand weather and climate news

Courtesy of MetService Library

MetService focus

Enjoy that sunshine - there's a wintry snap looming

MetService has issued snowfall warnings for Milford Rd tomorrow while Tuesday will see more road snow, including on the Desert Rd. Westland and ...

832 lightning strikes in 24 hours as storm batters New Zealand

There were 832 strikes recorded over both land and sea in the 24 hours from 8.15am on Wednesday, according to MetService. Of those, 368 occurred ...

Snow and ice close South Island highways after wild weather

Over the country, MetService issued snowfall warnings for six highways - Napier-Taupo Rd, Desert Rd, Lewis Pass, Arthur's Pass, Milford Rd and ...

West coast towns left off draft MetService website map

Otago Daily Times

MetService communications meteorologist Lewis Ferris said although Greymouth and Hokitika were not on the current beta homepage map, people ...

Scientists receive funding

Alexandra's scientific community is making headway and two local organisations have been part of successful grants in this year's Ministry of Business, Innovation and Employment Endeavour Fund.

Bodeker Scientific is part of a consortium led by Victoria University that has been granted \$10,273,285 for a five-year project on extreme events and the emergence of climate change.

Spring cold-snap likely to last for rest of week

MetService meteorologist Tui McInnes said "as exciting as it would be" to have the southern stratospheric warming affecting local weather, its effects ...

Southerly winds moving over country set to 'pack a punch'

Stuff.co.nz

... the day, the front was expected to deliver winds of up to 55 kmh and gusts of up to 85kmh, according to MetService meteorologist Tui McInnes.

Trampoline goes flying in Wellington as southerly wind strikes

MetService meteorologist Lewis Ferris said on Wednesday afternoon the sharp southerly changed caused a large downpour, bringing with it hard gusts.

Powerful lightning, hail and flooding in Hawke's Bay damages crops

Hail up to 3 centimetres thick in places pummelled Hawke's Bay on Tuesday afternoon, badly damaging some fruit orchards and collapsing a shop roof.

Hail storm hammers its way into store

At the height of Tuesday's roaring hail and thunder storm St Vinnies Napier shop manager Richard Kelly-Lowe was at the front window with staff and shoppers watching Carlyle St morph into a snowscape.

Storm causes Napier building's roof to collapse

MetService Meteorologist Tui McInnes said a low pressure system over the country brought a barrage of miserable weather for parts of the country.

High tide floods Nelson streets on 'red alert' day

Nelson has been inundated with seawater during a 4.6 metre king tide.

A king tide flooded several streets near the CBD and encroached houses in the low-lying Monaco area early in the afternoon.

Cold snap brings four seasons in a day to Canterbury

From one minute to the next, Cantabrians couldn't be sure what kind of weather to expect on Wednesday as snow, rain and sun hit the region.

One Christchurch family experienced all four seasons in a day – snow high in the mountain passes then sun and rain back at home.

MetOcean

Tiro Moana Sensor presented at OceanObs'19 conference in Hawaii

Last week, MetService & MetOcean Solutions' Head of Research Partnerships, Prof. Moninya Roughan, presented the Tiro Moana Sensor, a low-cost smart ocean sensor being developed under the Moana Project, at the OceanObs'19 conference in Hawaii.

WMO

Choices made now are critical for the future of our ocean and cryosphere

The latest Intergovernmental Panel on Climate Change (IPCC) Special Report highlights the urgency of prioritizing timely, ambitious and coordinated action to address unprecedented and enduring...

Pacific Islands develop impact-based forecasts

Impact Based Forecast and Early Warning Services are being strengthened in Pacific Small Island Developing States (SIDS) in order to ramp up disaster preparedness and risk reduction.

Extreme weather (and other news) – Antarctica and offshore

The epic engineering behind drilling 3,000 metres into the Antarctic ice

Researchers are digging deep into the Antarctic ice to help us figure out Earth's past. But to get there, they'll have to battle temperatures below minus 50 degrees Celsius

Weathering Antarctic Storms -- Weather Balloon Data Boost Forecasting Skill

Observational data from radiosondes deployed in Antarctica improve the forecasting accuracy for severe Antarctic cyclones, according to a Japanese research team led by the Kitami Institute of Technology, Hokkaido, Japan.

Provision of critical weather information services to prevent and curb drought-induced forest fires - BMKG

The roles of National Meteorological Services are the key to inform appropriate actions before and during hazardous event, such as the recent drought-induced fires and smoke episode in the western...

Global Climate in 2015-2019: Climate change accelerates

Record greenhouse gas concentrations mean further warming The tell-tale signs and impacts of climate change – such as sea level rise, ice loss and extreme weather – increased during 2015-2019,...

Landmark United in Science report informs Climate Action Summit

Science highlights key facts and figures about growing gap between targets and reality The world's leading climate science organizations have joined forces to produce a landmark new report for the...

Extreme weather (and other news) – Antarctica and offshore

Iceberg the size of Sydney breaks off Amery ice shelf in Antarctica

A gigantic iceberg the size of urban Sydney has broken off an ice shelf in Antarctica, the Australian Antarctic Division (AAD) says.

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

September was warmest, driest on record in Singapore: Met Service

TODAYonline

SINGAPORE — Last month was the warmest and driest September in Singapore on record at the climate station in Changi, the Meteorological Service ...

Weather disasters kill 114, injure 204 in nine months

The Phnom Penh Post

Weather disasters kill 114, injure 204 in nine months ... the influence of the Intertropical Convergence Zone (ITCZ) as well as South China Sea winds,

Alum Becomes Director of Senegal's National Meteorological Service

State of the Planet (press release) (blog)

Ousmane Ndiaye, an adjunct research scientist at the International Research Institute for Climate and Society (IRI), recently became the director of ...

Extreme weather (and other news) – Australia and Pacific

Extreme weather wipes a possible \$750 million off upcoming WA grain harvest

Two weeks of extreme weather causing frost and heat damage have wiped \$750 million off Western Australia's upcoming grain harvest, a new report says.

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

Tropical storm Mitag strengthens to the east of Taiwan

Developing typhoon heads towards China's eastern coast before threatening floods across parts of South Korea and Japan.

Southeast Asia faces harsher dry seasons as El Niño effects worsen, warn climate scientists

Eco-Business

“More extreme El Niño and La Niña events are likely to intensify with drier and wetter weather in Southeast Asia, even with relatively lower levels of ...

Typhoons and other disasters force Japan to rethink its city vs rural living plans for the future

Greater Tokyo took a major hit earlier this month from Typhoon Faxai, which stopped regional transport and knocked out power in the eastern prefecture of Chiba.

Manual weather monitoring delays information exchange

Viet Nam News

Though HCM City People's Committee has planned since 2016 to create an automatic weather monitoring system, the project has been delayed for a ...

International news and research

Weather apps give meteorologists a bad rap

NNY360

“I wish I had a job where I only had to be right 50 percent of the time.” People in the weather-forecasting business have heard that a million times.

Hurricanes: Improving rapid intensification predictions

Many scientists have said that storms are more intense than ever before - Cat. 4 or 5 storms used to be outliers, but today, it seems they are becoming the norm. Why? That's the question a research team is working to answer - they are looking what contributes to the rapid intensification of storms.

A Day In The Life Of A Scientist Testifying To Congress About Weather

Forbes

... Representatives Committee on Science, Space, and Technology also held ... figure in recent and historic legislation to advance weather forecasting.

Why tropical cyclones have been frequently stalling

The Weather Network

Thursday, September 19th 2019, 2:08 pm - A new study looks at how the warming atmosphere weakens circulation and increases precipitation of ...

Others

Vaisala Acquires professional business-to-business weather services from Foreca

International Environmental Technology

Vaisala has acquired the professional business-to-business weather services from a Finnish weather forecast services company Foreca Oy.

Researchers use Neural Network to Predict El Niño in Advance

Edgy Labs

Researchers have figured out how to predict El Niño events 18 months in advance using artificial intelligence. El Niño, which means The Little Boy, ...

New global partnership will make 1 billion people safer

Met Office (press release)

Met Office takes a leading role in an initiative that will bring together funding, knowledge and demand to save lives, protect livelihoods and improve ...

Daily rainfall over Sumatra linked to larger atmospheric phenomenon

Atmospheric scientists reveal details of the connection between a larger atmospheric phenomenon, termed the Madden-Julian Oscillation (MJO), and the daily patterns of rainfall in the Maritime Continent.

Hurricane Nicole sheds light on how storms impact deep ocean

2016's Hurricane Nicole had a significant effect on the ocean's carbon cycle and deep sea ecosystems.

Brave new world: Simple changes in intensity of weather events 'could be lethal'

Faced with extreme weather events and unprecedented environmental change, animals and plants are scrambling to catch up -- with mixed results. A new model helps to predict the types of changes that could drive a given species to extinction.

Email Nonsense Inspired An Explanation Of Why Meteorologists Take A Lot of Math

Forbes

I also took a lot of advanced mathematics and physics during my BS, MS, and doctoral degree program in meteorology at Florida State University.

DTN Acquires Weatherzone, Australia's Leading Weather Company

Weatherzone is a leading provider of weather information to consumers and ... of businesses across the country with industry-leading weather insights. ... across energy, mining, aviation, ports and at least a dozen other industries.

5G network

Weather forecast accuracy is at risk from 5G wireless technology, key lawmaker warns FCC ...

Washington Post

A botched rollout of 5G technology, intended to revolutionize the way we ... of planned urban 5G networks with existing weather satellite sensors.

Advertising/promotion

AccuWeather Reveals How Weather Info Dictates Consumer Behavior

MarTech Series

Clearly, this weather data company is trying to add value to disperse the As the gold standard in weather forecasting, AccuWeather is the number ...

Why Weather Data Is the Hottest New Commodity for Brands and Businesses

Adweek

... its Watson artificial intelligence platform with the forecasting giant's data to power everything from weather-targeted ads to logistics coordination.

The creepy world of personalised ads is coming to your TV

Channel 4 and Virgin Media are adopting Sky's AdSmart advertising system. Sky says it can put viewers into groups of 5,000 or more based on age, location, lifestyle, and "even if they have a cat"

Art

Janine Randerson – Weather as Medium: Toward a Meteorological Art

Neural

Weather has a special place at the intersection of art and science, from ... of sometimes bizarre, and at time potentially dangerous futuristic technologies. ... Randerson has investigated these meteorological topics for some time as an ...

Aviation

SAS Joins Nordic Initiative for Electric Aviation

RusTourismNews

A Nordic initiative to drive the development of electric aircraft is now being launched. ... project manager for The Nordic Network for Electric Aviation (NEA). ... to Develop aircraft technology for Nordic weather conditions, and to Create ...

Wind data backs Sydney airport flight delays

The Australian

A spate of freakishly windy weather at Sydney Airport has been blamed for the recent horror run of flight cancellations and delays, and data from the ...

Airlines look to arid Australia to store Boeing 737 Max planes

Financial Times

Airlines look to arid Australia to store Boeing 737 Max planes ... Both California and Arizona have dry weather conditions suitable for storing aircraft, ...

Hugh Growth Of Airport Weather Station Market With Good Revenue Status till 2024

Food Herald

The report on Airport Weather Station market assesses the market By ... Germany, U.S., Canada, Mexico, Japan, India, France, China, Australia).

Business/Insurance

Weather monitoring insurtech firm wins resilience award

Business Insurance

Sponsored by the New York-based Insurance Information Institute and InsureTech Connect, the competition highlights innovative approaches to ...

Samsung, The Weather Channel partner up for better weather data

Android Community

Owners of the Samsung Galaxy Note 10 will get better weather data under the continued partnership of the Korean OEM and The Weather Channel.

How insurance is responding to climate change

Insurance Business Australia

Speaking to Insurance Business, Andre Martin – head of innovative risk ... “The upward trend of natural catastrophes and extreme weather events ...

Aviation Weather Forecasting Services Market estimated to reach US\$ 447.6 million in the forecast ...

openPR (press release)

The report on the Aviation Weather Forecasting Services Market has been launched by Stratview Research is an all-inclusive report that talks about ...

Clouds

[It's time to get your head back in the clouds \(Audio\)](#)

When's the last time you looked up at the sky?

For those in Queensland and New South Wales desperate for rain, you may have been looking up a lot lately — hoping to see some storm clouds brewing.

Communication/Social Media

[How TV weathercasters became the unsung heroes of the climate crisis](#)

The Guardian

Over the past decade, a growing number of meteorologists and weathercasters have begun addressing the climate crisis either as part of their weather ...

[We want to learn about climate change from weather presenters, not politicians](#)

One of the great paradoxes of climate change communication in Australia is that politicians command the most attention on the issue, yet are among the least trusted sources of climate information.

Energy and Mining

[Using Deep Learning Techniques To Predict Wind Farm Locations And Output](#)

Weekly Columnist

Today, one of the greatest technological challenges is adding renewable energies to an electric grid, with the goal being able to achieve sustainable ...

[Vector taps IBM to anticipate power distribution problems](#)

Computerworld New Zealand

Vector and IBM subsidiary The Weather Company are teaming up to trial ... industry-leading AI, Internet of Things (IoT) and analytics technologies...

Global trends in renewable energy investment 2019

11 Sep 2019

Frankfurt School – UNEP Collaborating Centre for Climate & Sustainable Energy Finance

Frankfurt School of Finance & Management

Key findings about the decade 2010-2019:

The years 2010-2019 will have seen \$2.6 trillion invested in renewable energy capacity (excluding large hydro), more than treble the amount invested in the previous decade. Solar is set to have attracted the most in 2010-2019, at \$1.3 trillion, with wind securing \$1 trillion and biomass and waste-to-energy \$115 billion.

China will be the top country by far in terms of the sums invested in renewables capacity during the current decade. It committed \$758 billion between 2010 and the first half of 2019, with the U.S. second on \$356 billion and Japan third on \$202 billion.

Europe as a whole invested \$698 billion in 2010 to first-half 2019, with Germany contributing the most, at \$179 billion, and the U.K. \$122 billion. India is an increasingly important investor in renewables, and had committed \$90 billion by the end of the first half of this year.

The decade has seen a spectacular improvement in the cost-competitiveness of renewables, with the levelized cost of electricity for solar photovoltaics down 81%, for onshore wind down 46% and for offshore wind down 44%. One or other renewables technology is now the cheapest option for new generation in many countries around the world.

Behind these cost reductions in solar and wind have been a combination of economies of scale in manufacturing, fierce competition along the supply chain – intensified by the introduction of auctions in many countries – record-low costs of finance, and improvements in the efficiency of generating equipment.

There will have been more solar capacity installed during the decade than any other generating technology, fossil or renewable. Solar's additions, of some 638GW during 2010-2019, is a remarkable figure given that there were only 25GW of solar power capacity worldwide at the end of 2009.

The 2010-2019 period is set to have seen a net 2.4 terawatts of power capacity of all sorts installed, with solar first, coal second, and wind narrowly beating gas for third place.

Nevertheless, the stock of fossil fuel power already installed, and those added this decade, has meant that global power sector emissions are likely to have risen by at least 10% between the end of 2009 and 2019.

Cloud seeding / Geoengineering

MetMalaysia: Rain caused by cloud seeding not harmful to health

Malay Mail

... by cloud seeding operations as it is not injurious to health, said Malaysian Meteorological Department (MetMalaysia) director-general Jailan Simon.

Farming/horticulture/Aquaculture

Slink skin operators at capacity as Southland farmers brace for another cold snap

Stuff.co.nz

And there appears to be no let-up from last week's cold conditions, with Southland farmers bracing for another cold snap as the Metservice predicts ...

Edible Insects Market Key Companies Globally are Thailand Unique, Kreca, Nordic Insect ...

Zebvo

Adverse weather condition and limited land are also making cultivation of crops difficult, hence, companies are finding new ways to offer food products ...

Health

How to manage grass pollen exposure this hay fever season: an expert guide

Nearly one in five Australians are affected by hay fever. If you're one of the unlucky ones, you'll know how troublesome the symptoms can be.

Studies link air pollution to mental health issues in children

Three new studies highlight the relationship between air pollution and mental health in children.

Social determinants of health

25 Sep 2019

PricewaterhouseCoopers LLC

PricewaterhouseCoopers LLC

This report lays out five steps for action that organisations can take to lead in a world in which social determinants assume a more prominent role. The research is backed by new results from a global survey conducted by PwC's Health Research Institute, along with interviews with healthcare leaders and analysis of dozens of case studies.

The five steps are:

1. Build the collective will
2. Develop standard but adaptable frameworks
3. Generate data insights to inform decision making
4. Engage and reflect the community
5. Measure and redeploy

How rising temperatures affect our health

This story is part of Covering Climate Now, a global collaboration of more than 250 news outlets to strengthen coverage of the climate story.

Global warming is accelerating, driven by the continuing rise in greenhouse gas emissions. Australia's climate has warmed by just over 1°C since 1910, with global temperatures on course for a 3-5°C rise this century.

Climate change could affect grass pollen seasons, and your hayfever

The sneezin' season in the northern hemisphere might be prolonged due to climate change, and scientists want to know what that could mean for asthma and hayfever sufferers in Australia.

Beaches 'hot spots' for antibiotic-resistant bacteria after rainfall

The Weather Network

A new, two-year study has found elevated levels of antibiotic-resistant bacteria (AbR) around some beaches in Sydney, Australia following rainfall, ...

Hydrology / Flooding

New satellite may make flood prediction easier

A satellite on schedule to launch in 2021 could offer a more comprehensive look at flooding in vulnerable, under-studied parts of the world, including much of Africa, South America and Indonesia, a new study has found.

History

Role of Tambora eruption in the 1816 'year without a summer'

A new study has estimated for the first time how the eruption of Mount Tambora changed the probability of the cold and wet European 'year without a summer' of 1816. It found that the observed cold conditions were almost impossible without the eruption, and the wet conditions would have been less likely.

Innovations

Best apps in New Zealand 2019

The World Beast (blog)

MetService is a very easy to use. Its forecasts are reliable because they come from New Zealand's government operated meteorological service.

Lightning

Businesses are buying into devices that claim to stop lightning, despite skeptics

Washington Post

“Lightning events are complex weather phenomena that often extend over many miles in many directions. The suggestion that a small object on a pole ...

Man Killed by Lightning While Crossing Finish Line of 50K Race in Kansas

Daily Beast

Runner Thomas Stanley was struck and killed by lightning as he crossed ... By asking the Australian government's help in gathering information that ...

Satellites and radar

Satellite Startup Spire Raised \$40 Million To Bring Its Weather Forecasts To Asia

Forbes

San Francisco-based Spire, which has built a constellation of over 100 small satellites to track maritime and aviation shipping and provide data for ...

Experts review use of inter-satellite observations in weather forecasting

ECMWF

ECMWF's Sean Healy, who co-organised it, says there is considerable scope to widen the use of radio occultation data in weather forecasting.

Using Weather Radar as Pest Control

RFD-TV

“I work on bees, and Neely said, 'I see bees in my radar data all the time, and we throw that data out,’” Hassall recalled. The two formed BioDAR.

Space weather

Solar storm threat: Massive solar flare 'could knock out UK's National Grid'

Express.co.uk

The fund will be used to look closely at space weather innovation, ... Space weather - for example, solar flares and coronal mass ejections (CMEs) and

Space weather

20 million to accelerate British research into forecasting space weather

UK Research and Innovation

This new fund, delivered through the UKRI Strategic Priorities Fund, will be used to look closely at space weather innovation, measurement, modelling ...

Transport/roading/shipping/freight

Porsche Invests in Israeli Startup to Increase Road Safety

EHS Today

Israeli startup TriEye, whose Short-Wave-Infra-Red (SWIR) sensing technology enables vision in adverse weather and night-time conditions have ...

Innovation and technologies and AI

Samsung Galaxy Note10 Users Get New and Upgraded Weather Data

Samsung Newsroom

The Samsung Weather experience on the Galaxy Note10 is getting an ... “Samsung is committed to delivering meaningful innovation to our users.

Weather in pictures

These pictures tell the story of climate change

This image is an aerial view of the sea ice in East Greenland, captured by photographer Florian Ledoux using a drone 250 metres above sea level. The melt season began weeks earlier than usual, and scientists estimate that 2019 could be a record year for ice loss in Greenland. Nature’s pick of the month’s best science images focuses on climate change — and the researchers who study it

Climate change / global warming / sea level rise

Report: Climate changes costing U.S. billions in health spending

From deaths and injuries caused by extreme heat and stronger storms to longer growing seasons linked to an increased risk of mosquito- and tick-borne illnesses and wildfires, the healthcare impacts of climate change are costing the U.S. billions.

Climate change report underlines sea level rise threat

The latest international climate report sends a stark message about the fundamental importance of the world’s oceans, a New Zealand scientist says.

The impact of climate change on mortality and retirement incomes in Australia

26 Sep 2019

Ramona Meyricke, Rafal Chomik

Actuaries Institute Australia

Australians' health and finances are at risk in coming decades, as a result of climate change. The wide-ranging implications of climate change include higher mortality, lower superannuation balances and lower retirement incomes.

In Australia, the main risk to human life from climate change arises from heatwaves. Historically heatwaves have killed more Australians than any other natural hazard. The January 2009 heatwave in Victoria alone is estimated to have caused 374 deaths.

The frequency and duration of heatwaves will increase significantly over the 21st century, with greater increases in the north than south of Australia. Increases in heatwaves will drive a significant increase in the number of heat-related deaths in Australia. Many factors will affect the number of deaths from heatwaves in the future including public awareness, how we work and other factors.

Older people are most vulnerable to heatwaves so, all else being equal, ageing of the population will amplify the absolute mortality impacts of climate change.

Life and health insurers are increasingly focussed on customer wellbeing and on helping their customers reduce risks to their health. This could be extended to increasing customer awareness of how to avoid the risks posed by extreme heat.

The ocean and cryosphere in a changing climate

25 Sep 2019

Intergovernmental Panel on Climate Change

Intergovernmental Panel on Climate Change

This Special Report on the Ocean and Cryosphere in a Changing Climate (SROCC) was prepared following an IPCC Panel decision in 2016 to prepare three Special Reports during the Sixth Assessment Cycle. By assessing new scientific literature, the SROCC responds to government and observer organization proposals.

The SROCC follows the other two Special Reports on Global Warming of 1.5°C (SR1.5) and on Climate Change and Land (SRCCL) and the Intergovernmental Science Policy Platform on Biodiversity and Ecosystem Services (IPBES) Global Assessment Report on Biodiversity and Ecosystem Services.

This Summary for Policymakers (SPM) compiles key findings of the report and is structured in three parts:

SPM.A: Observed changes and impacts

SPM.B: Projected changes and risks, and

SPM.C: Implementing Responses to Ocean and Cryosphere Change.

To assist navigation of the SPM, icons indicate where content can be found. Confidence in key findings is reported using IPCC calibrated language and the underlying scientific basis for each key finding is indicated by references to sections of the underlying report.

The cost of climate change on our coasts, discussed by a panel of experts

One of the biggest issues facing New Zealand is the cost of climate change, and our poor preparedness as a society to foot the bill for climate-induced hazards on the coast such as sea level rise and increasing storm surges. Much of our infrastructure and many communities are located in coastal areas. We need creative thinking about how we respond to a changing climate, because who will pay when we are forced to go?

Wellington Report 2019: Capital's climate change reality - Slips, storms and flooding are on their way

Wellington faces more than its fair share of natural hazards, and as climate change takes hold, those risks are becoming more likely.

Slips, storms and flooding are becoming more frequent and that will have big consequences for infrastructure, roading and housing.

Widespread ice sheet melting in Antarctica could raise sea level by 20m, NZ-led study finds

Just imagine if the sea level rose by 20 metres. New Zealand's coastlines would be changed forever.

What would become of our beaches, coastal walkways, baches and homes?

Emergency preparedness / disaster planning / resilience

When natural disasters strike, men and women respond differently

Women tend to take cover or prepare to evacuate sooner, but often have trouble convincing the men in their life to do so, suggests a new study exploring how gender influences disaster response.

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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.

October 1, 2019

Software fix planned to restore DSCOVR

September 30, 2019 - SpaceNews

A space weather and Earth observation satellite that has been offline for more than three months could be restored to normal operations with new software, but that fix is not expected to be completed until early next year.

Read MORE

Chinese leaders can't control the weather for their big 70-year bash. But they're still trying.

September 30, 2019 - NY Daily News

Even as Beijing's air quality deteriorated rapidly in recent decades, the party has tried to eliminate pollution before big events and create the semblance of clean air, ordering the factories around Beijing to grind to a halt and heavy trucks off the road.

Read MORE

NASA-NOAA's Suomi NPP analyzes record-setting hurricane Lorenzo

September 30, 2019 - Phys.org

NASA-NOAA's Suomi NPP satellite provided infrared data over two days provided forecasters with changes in the storm's eye, powerful thunderstorms and gravity waves it was creating.

Read MORE

A Day In The Life Of A Scientist Testifying To Congress About Weather

September 27, 2019 - Forbes

If experts are not conveying expertise about extreme weather and climate to policymakers, there are certainly people with less expertise or agendas willing to fill the void that academics leave behind.

[Read MORE](#)

[Up To 4 Feet Of Snow: Montana Hit By 'Unprecedented' Winter Storm](#)

September 30, 2019 - National Public Radio

Montana is under emergency conditions after an intense winter storm dumped record amounts of snow along with a life-threatening combination of bitter cold and stiff winds.

[Read MORE](#)

[In Dorian's wake, Bahamas appeals for climate action at U.N.](#)

September 28, 2019 - The Philadelphia Tribune

As the Bahamas strives to recover from Hurricane Dorian, Prime Minister Hubert Minnis appealed to world leaders Friday to tackle climate change — and encouraged travelers to visit to help the country rebuild.

[Read MORE](#)

[EUMETSAT's Director General Delivers International Cooperation Message at Meteorological Conference](#)

September 30, 2019 - Satnews Publishers

Director-General Alain Ratier spoke at the joint EUMETSAT/American Meteorological Society/NOAA conference in Boston on Monday, September 30.

[Read MORE](#)

Conundrum: Why People Do Not Listen to Evacuation Orders

September 27, 2019 - Scientific American

As climate change is intensifying hurricanes and storms, the warning system remains flawed and the public continues to flout evacuation orders, experts told a congressional hearing.

[Read MORE](#)

Solar Technology Will Just Keep Getting Better: Here's Why

September 26, 2019 - Forbes

It's a good time to take stock of the solar industry - both taking a look at where it has come from and where it is headed, especially in terms of innovation and evolving technology.

[Read MORE](#)

China continues intense activity with environment, navigation satellite launches

September 25, 2019 - SpaceNews

China launched a new meteorological satellite from Jiuquan late Sept. 24, adding to a series of recent government and commercial missions.

[Read MORE](#)

UN climate report warns of warming oceans, sea level rise

September 25, 2019 - The Hill

The U.N. Intergovernmental Panel on Climate Change (IPCC) reviewed the state of the world's oceans and ice, ranging from ice sheets in the Arctic to mountaintop glaciers, and found many effects of climate change can no longer be avoided.

[Read MORE](#)

Climate change is going to make septic systems a problem for millions

September 27, 2019 - CNN-US

A major UN report released this week shows the sea level is rising around the globe, which means people who live in coastal cities face real risks from losing their property, and in some cases their lives, to the rising ocean and the intense storms these warmer waters bring.

Read MORE

Satellite Startup Spire Raised \$40 Million To Bring Its Weather Forecasts To Asia

September 25, 2019 - Forbes

San Francisco-based Spire, which has built a constellation of over 100 small satellites to track maritime and aviation shipping and provide data for weather forecasting, announced Wednesday that it has closed a \$40 million round.

Read MORE

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American Meteorological Society

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My latest WeatherEye from John Maunder

<https://www.sunlive.co.nz/blogs/13836-climate-change-2019-and-villach-1985-what-is-connection.html>

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Thanks to all our regular contributors

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