

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.

Economic cost of climate change could be six times higher than previously thought

Phys.org - September 6, 2021

Economic models of climate change may have substantially underestimated the costs of continued warming, according to a new study involving UCL researchers.

NASA Works to Give Satellite Swarms a Hive Mind

NASA - September 1, 2021

Swarms of small satellites could communicate amongst themselves to collect data on important weather patterns at different times of the day or year, and from multiple angles. Such swarms, using machine learning algorithms, could revolutionize scientists' understanding of weather and climate changes.

Meet the incident meteorologist helping keep fire crews safe at the French Fire

23ABC News - September 1, 2021

Every day, National Weather Service Meteorologist Rob Rickey says he wakes up, and from then on his eyes are glued to weather monitors. He says he needs to keep his eyes on the skies in order to keep crews safe on the ground.

Dramatic NASA Satellite Video Examines Hurricane Ida's Eye in 3D

SciTechDaily - August 31, 2021

Hurricane Ida struck southeast Louisiana as a powerful Category 4 storm on Sunday, August 29, 2021- the 16th anniversary of Hurricane Katrina's landfall in 2005.

With Increase in Extreme Weather Events, UN Says Reducing Global Temperatures is the Need of the Hour

The Weather Channel - September 7, 2021

With extreme weather events increasingly impacting countries worldwide, the United Nations has underlined the importance of limiting temperature rise to the internationally agreed goal of 1.5°C above pre-industrial levels.

Meteosat Third Generation takes major step towards its first launch

Phys.org - September 3, 2021

After many technical and programmatic challenges, the first satellite of the next generation of the Meteosat family has taken a major step towards its first flight, currently scheduled for launch in autumn 2022.

Hidden factors that affect solar farms during severe weather

ScienceDaily - August 31, 2021

Researchers combined large sets of real-world solar data and advanced machine learning to study the impacts of severe weather on U.S. solar farms, and sort out what factors affect energy generation.

'Today' Veteran Willard Scott, Who Delivered Weather With Shtick, Dies At 87

NPR - September 4, 2021

Al Roker, who announced the death of his former NBC colleague on Instagram, said Scott was surrounded by family when he "passed peacefully."

The Arctic Circle saw record-high temperatures in 2020, NOAA report finds

CBS News - August 26, 2021

The 31st annual State of the Climate report, published by the American Meteorological Society and led by the NOAA, is based on work from over 530 scientists in more than 60 different countries. It confirmed 2020 was among the three warmest years in recorded history.

Ida pummels Louisiana

CNN - August 30, 2021

Hurricane Ida has left catastrophic damage across southeastern Louisiana, killing at least one person, leaving much of the New Orleans area without power, interrupting phone service and sending rescuers scrambling Monday to flooded homes where people were anxiously asking for help.

Western Europe Can Expect More Heavy Rainfall And Fatal Floods As The Climate Warms

NPR - August 27, 2021

Heavy rainfall and catastrophic flooding events like those that hit Western Europe last month will be more frequent and intense due to climate change, a new scientific study says.

Artificial intelligence to help predict Arctic sea ice loss

ScienceDaily - August 26, 2021

A new AI (artificial intelligence) tool is set to enable scientists to more accurately forecast Arctic sea ice conditions months into the future. The improved predictions could underpin new early-warning systems that protect Arctic wildlife and coastal communities from the impacts of sea ice loss.

How many 'natural' disasters can one city endure?

National Geographic - August 27, 2021

As another hurricane bears down on Louisiana, the town of Lake Charles—hit twice last year—faces the painful questions of climate change: How can we adapt, and who is going to pay?

Tornado investigators are unlocking the UK's extreme weather secrets

WIRED - August 25, 2021

The costs of extreme weather are likely to rise in the coming years. Weather investigators are trying to understand what we may face in the future.

Large uncertainties in trends of energy demand for heating and cooling under climate change

Nature - August 31, 2021

The energy demand for heating and cooling buildings is changing with global warming.

How Civilians Saved Their Oregon Town From Two Megafires

The Atlantic - August 30, 2021

When two megafires converged on a small town in Oregon, the community faced a choice. People could flee, leaving the town to its fate. Or they could stay and fight.

Henri Soaks the Northeast

NASA Earth Observatory - August 25, 2021

Intense rain fell on Northeast U.S. soils that were already saturated.

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Weather Eye with John Maunder

https://thebfd.co.nz/2021/09/09/weather-eye-with-john-maunder-21/?utm_source=envelope&utm_medium=website&utm_campaign=SocialSnap

<https://www.sunlive.co.nz/blogs/15943-auranga-august-rainfalls-and-afternoon-temperatures-18982020-and-19132021.html>

https://thebfd.co.nz/2021/09/03/weather-eye-with-john-maunder-20/?utm_source=envelope&utm_medium=website&utm_campaign=SocialSnap

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