



PREPARE FOR HOT & HUMID



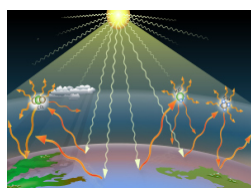
Newsletter of the Plymouth Climate Council May 2023

Workers are set to face horrible working conditions as temperatures increase. What is your employer doing to prepare for high temperatures causing illness and fatigue, transport disruption, equipment failures and fires?

SEE OUR GUIDE
OVERLEAF



Children will find higher temperatures tricky to handle - what is your local school doing to prepare for the Summers to come? Ask them, and challenge complacency.



Older people and those with heart or lung conditions will suffer first and most from humid heat - what are the authorities doing to ensure home insulation and cool public spaces? Ask your politicians now!

Wet-bulb temperature (WBT) combines dry air temperature with humidity - it is a measure of heat-stress conditions on humans. Above WBT humans cannot sweat to cool down. WBT is measured as 31.5C with 75% humidity at which point humans cannot survive for more than 6 hours.

The world is seeing a return to the El Niño Southern Oscillation, causing much more extreme temperature and weather conditions, extra-powerful storms and unpredictable shifts in jet streams, reports Tony Staunton from the Campaign against Climate Change.

March 2023 was the second-warmest March for the globe in 174-years of record keeping, and the 47th consecutive March and the 529th consecutive month with global temperatures above the 20th-century average.

La Niña and El Niño

Global land-only temperatures ranked second warmest on record. Ocean-only temperatures ranked third-warmest on record for March and are rising at the fastest rate on record.

It is important to note that the period of cooler temperatures during La Niña has come to an end. La Niña, usually a period of three seasons, has inexplicably lasted for the past three years, holding down global temperatures. The cyclical shift to El Niño predicates a dramatic rise in temperatures this year and for the years ahead.

Asia had its second-warmest March on record at 4.08°C (7.34°F) above average. In Japan, March temperatures ranked warmest on record, while Pakistan was 1.63°C warmer than average. Argentina recorded its hottest temperatures since records began, South America and Africa each had their fourth-warmest March.

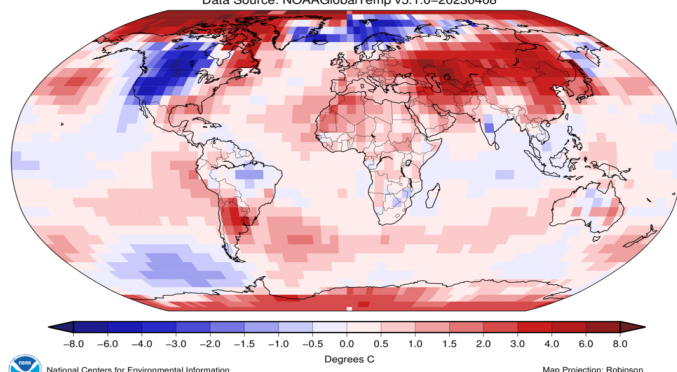
Hot & Humid

Europe overall had its 10th-warmest March, with cooler Northern temperatures while Spain ranked second-warmest its southern cities such as Seville recording nearly 40C and second-driest on record and Britain the driest February and wettest March. Warmer temperatures can mean much wetter weather, raising predictions for a hot and humid Summer.

Conditions + Emissions

El Niño and La Niña events - collectively referred to as the Southern Oscillation, or ENSO - are the main driver of year-to-year variation in global surface temperature in addition to the accelerating warming caused by human-produced excessive emissions of global heating gases, carbon-dioxide, methane, nitrous-oxide and others. Whilst the rate of emissions slowed in 2022, the total of global emissions continued to rise despite calls by the United Nations for a 40% reduction by 2030 to prevent global food shortages and social collapse across large areas of the world. Instead, industrialised nations are opening-up more sources of fossil-fuels - oil and gas fields, coal-powered electricity generation and bio-fuelled stations powered by forests of chopped-down trees. It all has to stop. Now!

Land & Ocean Temperature Departure from Average Mar 2023
(with respect to a 1991-2020 base period)
Data Source: NOAA GlobalTemp v5.1.0-20230408



National Centers for Environmental Information

US National Oceanic & Atmospheric Administration (NOAA)

We need your help! We have to spread the word, discuss and organise to stop emissions now! Join us on 25th May to plan for a Climate Summit in Plymouth in December, to force the changes that politicians and Corporations refuse to make...

Preparing for the PEOPLE'S CLIMATE SUMMIT IN PLYMOUTH

**FORGET COP28! JOIN US TO ORGANISE OUR OWN
PEOPLE'S CLIMATE SUMMIT IN DECEMBER!**

Thursday 25th May, 7pm
All welcome to organise!

Sustainability Hub (Kirkby Lodge)
University of Plymouth, PL4 8AA

plymouthhub4climate.org

Kirkby Lodge is in Kirkby Place, off Darnley St (above
Portland Square) in the Plymouth University Campus