



**GLOBAL WARMING ISNT REAL AS ITS
STILL COLD**



**CLIMATE CHANGE IS A FUTURE
PROBLEM**



Global warming is causing the Earth's average surface temperature to increase. This is not only making heatwaves and droughts more likely but it's also causing changes to our natural climate systems. These changes are making extreme weather events more likely and more severe. For example, hurricanes and storms are becoming more intense, moving slower and taking longer to die down.

Because of where we are, the UK & Ireland are likely to get more rain and wind as a result of climate change while New York will see more snow.



This is no longer an excuse not to act on climate change and push the burden onto future generations. Last year, the world's leading climate scientists warned we only have 12 years to limit global warming to a maximum of 1.5C and avoid climate breakdown.

We're already seeing the devastating effects of climate change on global food supplies, increasing migration, conflict, disease and global instability, and this will only get worse if we don't act now. Man-made climate change is the biggest environmental crisis of our time. It threatens the future of the planet that we depend on for our survival and we're the last generation that can do something about it.





**RENEWABLE ENERGY CAN ONLY WORK
WHEN IT'S COLD OUTSIDE**



**CHINA IS THE ONLY COUNTRY
RESPONSIBLE FOR CLIMATE CHANGE**



Industry is developing new techniques for storing electricity and managing demand at peak times meaning that even if the sun isn't shining or it's not blowing a gale, it's still possible to rely on renewable energy sources.

The majority of UK homes get their electricity from the National Grid. When you switch to a clean supplier, they guarantee that for every unit of electricity you take out of the Grid, they'll put the same amount of clean energy back in, helping to clean up our energy supply.

WWF



Despite being one of the largest emitters of greenhouse gases, China is currently one of the largest investors in renewables. The increase in investment has been in response to the rapid growth of green business and the need to clean up air pollution in its major cities.

Climate change is a global issue and we all have a responsibility to step up to the climate crisis. Action on it will need serious investment but has the potential to deliver huge benefits for nature and people. We all need to raise our voices and fight for our world!

WWF





**2/3 OF EXTREME WEATHER EVENTS IN
THE LAST 20 YEARS WERE INFLUENCED
BY HUMANS**



**THE UK WILL LIKELY MISS IT'S
TRANSPORT EMISSIONS TARGETS**



The number of floods and heavy rains has quadrupled since 1980 and doubled since 2004. Extreme temperatures, droughts and wildfires have also more than doubled in the last 40 years. While no extreme weather event is never down to a single cause, climate scientists are increasingly exploring the human fingerprints on floods, heatwaves, droughts and storms. Carbon Brief, a UK-based website covering climate science, gathered data from 230 studies into “extreme event attribution” and found that 68 per cent of all extreme weather events studied in the last 20 years were made more likely or more severe by human-caused climate change. Heatwaves account for 43 per cent of such events, droughts make up 17 per cent and heavy rainfall or floods account for 16 per cent.

WWF



There are about 210,000 electric vehicles in the UK. Although there is a steady growth in demand, only two per cent of households own a hybrid and just one per cent have an all-electric car. The UK has set a net zero target for transport emissions meaning all cars and vans on its roads will have to be all-electric by 2050, but if the country is to stand any chance of achieving these ambitious plans, tens of millions of petrol and diesel cars will have to be replaced.

Wired





**BUTTER PRODUCTION THREE-AND-A-HALF
TIMES MORE DAMAGING TO ENVIRONMENT
THAN PLANT-BASED SPREADS**



**SCIENTISTS REBRANDED GLOBAL WARMING
AS CLIMATE CHANGE BECAUSE “THE NAME
GLOBAL WARMING WASN’T WORKING”**



Emissions from cattle make the production of butter three-and-a-half times as damaging to the environment as plant-based spreads, according to a new study. As food production is a significant cause of climate change, being responsible for up to 30 per cent of greenhouse gases, scientists carried out tests comparing plant-based spreads and margarines against dairy-based equivalents. They found that for each kilogram of product, the “mean average” CO2 equivalent for plant-based spreads was 3.3kg – compared to 12.1kg for dairy-based products. This was an increase of more than three-and-a-half times, based on analysis of 212 plant-based spreads and margarines across 21 European and North American markets, and 21 dairy butters.

The Independent



Donald Trump has regularly repeated claims that scientists had rebranded global warming as climate change because "the name global warming wasn't working" (in fact, both terms are used, but experts at Nasa have argued that climate change is the more scientifically accurate term).

BBC





**RIGHT NOW, WE ARE FACING A MAN-MADE
DISASTER OF GLOBAL SCALE, OUR GREATEST
THREAT IN THOUSANDS OF YEARS**



ANIMALS AND PLANTS CAN ADAPT



Climate Change: The Facts (BBC iPlayer) Expert after expert explains the consequences of rising CO2 levels, on the ice caps, on coastal regions, on weather and wildlife and society itself. The most powerful moments are in footage shot not by expert crews who have spent years on location, but on shaky cameras, capturing the very moment at which the reality of our warming planet struck the person holding the phone. In Cairns, Australia, flying foxes are unable to survive the extreme temperatures; rescuers survey the terrible massacre, and we learn that while 350 were saved, 11,000 died. A man and his son talk through their escape from raging wildfires, over the film they took while attempting to drive through a cavern of blazing red trees. These are horror movies playing out in miniature. It is difficult to watch even five minutes of this and remain somehow neutral, or unconvinced.

DAVID ATTENBOROUGH



As the Earth heats up, animals and plants are not necessarily helpless. They can move to cooler climes; they can stay put and adapt as individuals to their warmer environment, and they can even adapt as a species, by evolving. The big question is, will they be able to do any of that quickly enough? Most researchers believe that climate change is happening too fast for many species to keep up. Species with short lives, like fruit flies, have more generations in which to evolve, compared with long-lived species that don't begin to breed for decades. Conversely, long-lived species with low genetic variability—including many rare mammals—will have less adaptive ability.

NATIONAL GEOGRAPHIC

