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Nasa Mars 2020 Mission's MiMi Aung on women in space

Next year, Nasa will send a mission to Mars. The woman in charge of making the helicopter that will be sent there – which is set to become the first aircraft to fly on another planet – is MiMi Aung.

At 16, MiMi travelled alone from Myanmar to the US for access to education. She is now one of the lead engineers at Nasa.

We find out what it's like being a woman in space exploration, and why her mum is her biggest inspiration.

BBC 100 Women names 100 influential and inspirational women each year and shares their stories. Find us on Facebook, Instagram and Twitter, and use #100Women.

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Climate change: Sport heading for a fall as temperatures rise

Global sport faces major disruption from climate change in coming decades, according to a new analysis.

By 2050, it's estimated that almost one in four English football league grounds can expect flooding every year.

But tennis, rugby, athletics and winter sports will also face serious challenges from the impacts of rising temperatures, the author says.

The study finds that sports leaders are, in the main, failing to address the issue seriously.

Open venues could disappear - new report

How green are Premier League clubs?

Formula 1 aims to become carbon neutral

While the Covid-19 pandemic has disrupted sports as much as any other aspect of social life, many experts believe that this is just a dress rehearsal for the long-term impacts on sport of a world that's way too hot.

Extreme weather events, related to rising temperatures, have already disrupted some of the world's most high-profile sports in recent years.

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Image caption

Storm Desmond flooded Carlisle's ground in 2015, with the club forced from the stadium for seven weeks

A typhoon, which wreaked havoc in Japan last year, also affected fixtures at the Rugby Union World being held there.

Smoke from bush fires stopped play at the Australian Tennis Open at the start of this year.

These and many other instances are a foretaste of the future, according to this new study compiled by academic and author David Goldblatt.

As football slowly recovers from the coronavirus crisis, his analysis shows that 23 of 92 English football league clubs will face partial or total annual flooding of their stadiums by 2050.

In the current Premier League, the home grounds of Southampton, Norwich, Chelsea and West Ham face a similar threat.



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Coronavirus: Wildlife scientists examine the great 'human pause'

Researchers have launched an initiative to track wildlife before, during and after the coronavirus lockdown.

The UK-led team's aim is to study what they have called the "anthropause" - the global-scale, temporary slowdown in human activity, which is likely to have a profound impact on other species.

Measuring that impact, they say, will reveal ways in which we can "share our increasingly crowded planet".

They outline the mission in the journal Nature Ecology and Evolution.

Image copyrightMPIAB/MAXCINE/JACOB STIERLE

Image caption

All over the world, some animals have been tracked throughout lockdown

They outline "urgent steps" to allow scientists to learn as much as possible from the sudden absence of humans in many landscapes - including ensuring that researchers have access and permission to carry out their work, and can gain access to information about human movement, as well as animal-tracking data.

Coronavirus: This is not the last pandemic

Covid recovery could 'tip the balance' for nature

Coronavirus: A hunt for the 'missing link' species

Prof Christian Rutz from the University of St Andrews is president of the International Bio-logging Society.

He pointed out that bio-loggers - small tracking devices fitted to animals in order to record their movements and other behaviour - have been collecting information in



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'Black neutron star' discovery changes astronomy

Scientists have discovered an astronomical object that has never been observed before.

It is more massive than collapsed stars, known as "neutron stars", but has less mass than black holes.

Such "black neutron stars" were not thought possible and will mean ideas for how neutron stars and black holes form will need to be rethought.

The discovery was made by an international team using gravitational wave detectors in the US and Italy.

Charlie Hoy, a PhD student from Cardiff University, UK, involved in the study, said the new discovery would transform our understanding.

"We can't rule out any possibilities," he told BBC News. "We don't know what it is and this is why it is so exciting because it really does change our field."

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UK weather: What is the UV Index and why could it break UK records?

The UK could experience a record UV level of nine on Thursday as the temperature continues to rise.

So what is UV and why could records be broken now?

What is the UV Index?

The UV Index (or UVI) is a standard international measure of ultraviolet radiation emitted by the Sun - which penetrates the Earth's atmosphere and can cause sunburn.

Index values start at zero and then can rise above 10.

The higher the UVI, the greater the potential for damage to the skin and eyes - and also the less time it takes for harm to occur.

Levels of UV radiation vary throughout the day.

Highest readings occur in the four-hour period around solar noon, which - depending on where you are and whether daylight saving time is applied - is between 12:00 and 14:00.

Countries close to the equator can experience very high UV levels in the middle of the day throughout the year.

According to the World Health Organization (WHO), Nairobi in Kenya can see UV levels above 10 all year.

Majorca in Spain, will normally hit nine in June and July.

But the Falkland Islands in the South Atlantic never usually gets above five in December and January - when it's summer in the southern hemisphere.

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