

SATURDAY 02 JULY 2022**SAT 00:00 BBC News (w172ykq3vwd0bl6)**

The latest five minute news bulletin from BBC World Service.

SAT 00:06 The Real Story (w3ct33p2)

Afghanistan's challenges after US withdrawal

A 5.9 magnitude earthquake last week in Afghanistan destroyed hundreds of homes and left around 1,000 people dead - including at least 155 children. The country, now ruled by the Taliban, was already struggling to feed and provide health services to its people just 10 months after the United States and its allies completed their hasty withdrawal. The UN says millions are going hungry and the hospital system is on the brink of collapse. Meanwhile the Taliban are subject to global sanctions and Afghan central bank reserves remain frozen after the fall of the Western-backed government. The Taliban's decision in March to bar teenage girls from schools has divided opinion in the group and created headaches for organisations keen to work more closely with the Afghan government in order to improve the lives of citizens. So, is it possible to help the people of Afghanistan without helping the Taliban? Or is that approach wrong and should donors and governments just work alongside them?

Owen Bennett-Jones is joined by a panel of expert guests.
Producers: Ellen Otzen and Paul Schuster.

SAT 01:00 BBC News (w172ykq3vwd0gbb)

The latest five minute news bulletin from BBC World Service.

SAT 01:06 Business Matters (w172ydpfbz11gq7)

Paris strikes cancel dozens of flights

Airports in the capital of France have been told to cancel some flights due to four days of strikes. We hear from French journalist Anne-Elizabeth Moutet and the Head of Aviation at the European Transport Workers' Federation Eoin Coates.

We talk to Columbia University professor Carey Leahy about the financial markets' recovery after one of the worst days Wall Street has had in decades, and the record inflation figures in the Eurozone.

Disney, Facebook's parent Meta, American Express and Goldman Sachs are among the latest in a growing list of companies that say they will cover expenses for employees who travel out of state to access abortion care. But what happens to those who work for smaller employers who can't or won't provide extended health care? Marketplace's Meghan McCarty Carino has more on who the system leaves behind.

Only a tiny handful of women have ever attempted to enter Formula 1. But now one team is trying to change that: Alpine. Formerly Renault F1, it has launched a bid to get more women into the sport. We talk to their head of HR Claire Mesnier.

The Sky Cruise is a huge aeroplane with thousands of rooms, parks and a pool powered by its own nuclear reactor. But it only exists in a video animation made by Yemeni science communicator and video producer Hashem Al-Ghail... for now. He told us why he thinks his design can soon become a real vacation cruiser.

Vivienne Nunis is joined throughout the programme by Karen Percy, a senior freelance reporter in Australia, and Jasper Kim, a professor at Ewha University in South Korea, to discuss this and more relevant business news from around the world.

SAT 02:00 BBC News (w172ykq3vwd0l2g)

The latest five minute news bulletin from BBC World Service.

SAT 02:06 The Newsroom (w172y17r88qzxp)

The world's Newsroom brings you global events as they happen

SAT 02:30 BBC News Summary (w172ykq9l2pybv)

The latest two minute news summary from BBC World Service.

SAT 02:32 Stumped (w3ct370r)

Lauren Cheatle: 'My cancer restored my love for cricket'

On this week's Stumped with Alison Mitchell, Jim Maxwell and Charu Sharma, we're joined by Australian international Lauren Cheatle as she eyes a return to cricket. After two surgeries to remove early-stage skin cancer and a fourth shoulder reconstruction, the 23-year-old is aiming to return for the Sydney Sixers in the Women's Big Bash League in October.

We reflect on Eoin Morgan's international retirement, his legacy as a World Cup-winning skipper and ask whether Jos Buttler is the right man to replace him as England's white-ball

captain. Plus we discuss India's re-arranged Test with England, ten months on from its original date.

Photo: Lauren Cheatle of the Sixers celebrates dismissing Grace Harris of the Heat during the Women's Big Bash League match between the Brisbane Heat and the Sydney Sixers. (Credit: Getty Images)

SAT 03:00 BBC News (w172ykq3vwd0ptl)

The latest five minute news bulletin from BBC World Service.

SAT 03:06 The Fifth Floor (w3ct37ze)

Ukraine's foreign fighters

Since February, thousands of international volunteers have travelled to Ukraine to help in the fight against Russia. We hear about some foreign combatants whose stories have been reported by our language services, with Sunyoung Jeong of BBC Korean, Benny Lu of BBC Chinese and Beverly Ochieng of BBC Monitoring in Nairobi.

Lend me a saying

Our BBC Indian language service colleagues in Delhi share their favourite sayings, with Siddhanath Ganu of BBC Marathi, Sarika Singh of BBC Hindi, Khushboo Sandhu of BBC Punjabi, Venkat Prasad G of BBC Telugu, Saranya Nagarajan of BBC Tamil and Brijlal Shah of BBC Gujarati.

A new king for Cameroon's Mankon people

For the Mankon community of Cameroon, a king, or fon, never dies, he simply disappears. Fon Angwafor III 'went missing' in May, and the enthronement of the new king took place last month. The BBC's Randy Joe Sa'ah attended the extraordinary ceremony and shares his impressions.

Salute Commander

Salam Farmandeh, or Salute Commander, is a new Iranian religious song aimed at children. It's addressed to a historic Shia imam, with the children promising to be his soldiers in the battle for justice. Nooshin from BBC Monitoring explains why religious conservatives are turning to music to win young hearts and minds.

(Photo: Taiwanese volunteer fighter Mr Lee in Kyiv. Credit: Daniel Ceng)

SAT 03:50 Witness History (w3ct3bwm)

Hong Kong: Abandoned children

In the 1950s and '60s hundreds of thousands of Chinese people fled to the British colony of Hong Kong to escape famine. Conditions for the arrivals were so desperate that some families chose to abandon their children in the streets so they would be taken in by orphanages. Many were adopted in homes in Britain and other English-speaking countries. Laura FitzPatrick talks to one of the adopted children, now known as Debbie Cook.

(Photo: The young Debbie Cook with kind permission from the family)

SAT 04:00 BBC News (w172ykq3vwd0tkq)

The latest five minute news bulletin from BBC World Service.

SAT 04:06 The Real Story (w3ct33p2)

[Repeat of broadcast at 00:06 today]

SAT 05:00 BBC News (w172ykq3vwd0y9v)

The latest five minute news bulletin from BBC World Service.

SAT 05:06 The Newsroom (w172y17r88r08y7)

The world's Newsroom brings you global events as they happen

SAT 05:30 BBC News Summary (w172ykq9l2q9l7)

The latest two minute news summary from BBC World Service.

SAT 05:32 Dear Daughter (w3ct42g4)

Pah Pah and Ma Ma

An escape by boat, pirates, prejudice and a "strength that lies within". Charlene's family was among the Vietnamese "boat people", fleeing in search of a "better life". Charlene fears her daughter might encounter similar racism to what she faced. She hopes she'll be inspired by the stories of the strong women in her family, like Pah Pah and Ma Ma.

Episode 5 letter writer: Charlene Listen online at bbcworldservice.com/deardaughter

SAT 05:50 More or Less (w3ct3k4t)

How many American women will have an abortion in their lifetime?

Earlier this month, the US Supreme Court overturned its 1973 ruling on Roe vs Wade - the case which guaranteed a constitutional right to a legal abortion across the US, sparking heated protests and debates across the country.

But how many American women will have an abortion in their lifetime? One statistic circulating online puts it at as high as one in three. Reporter Charlotte McDonald has been looking into the figures and has uncovered some surprising statistics.

Presenter: Tim Harford

Producer: Charlotte McDonald

Editor: Richard Vadon

Programme Coordinator: Brenda Brown

Sound Engineer: Graham Puddifoot

(demonstrators argue with law enforcement in front of the U.S. Supreme Court June 24 2022. Credit: Brandon Bell/Getty Images)

SAT 06:00 BBC News (w172ykq3vwd121z)

The latest five minute news bulletin from BBC World Service.

SAT 06:06 Weekend (w172ykwglwlmf6)

President Biden vows to protect women seeking abortions

President Biden has promised to act to protect women who need to cross state lines to get an abortion, in the wake of the US Supreme Court ruling ending a constitutional right to the practise.

Also, Russian missile strikes on Ukraine continue, even as EU membership is within reach.

Plus, the World Health Organization says sustained transmission of monkeypox could see it begin to move into high-risk groups - we speak to someone who contracted the virus.

Joining Julian Worricker to discuss these and other issues are Maya Goodfellow, a British academic and author specialising in race and immigration; and Anatol Lieven, director of the Eurasia Programme at the Quincy Institute for Responsible Statecraft in Washington DC.

(Image: US President Joe Biden speaks while meeting virtually with governors in the Eisenhower Executive Office Building in Washington, D.C. Credit: Bloomberg via Getty Images)

SAT 07:00 BBC News (w172ykq3vwd15t3)

The latest five minute news bulletin from BBC World Service.

SAT 07:06 Weekend (w172ykwglwlmj5b)

European Commission welcomes Ukraine's membership

As Russian forces continue their attacks on the eastern Ukrainian city of Lysychansk, the president of the European Commission stresses that she welcomes its application to join the European Union.

Also, the UN Humanitarian Coordinator in Yemen tells us about crowdfunding efforts to help secure an oil tanker that's been stranded off the country's coast for several years.

Joining Julian Worricker to discuss these and other issues are Maya Goodfellow, a British academic and author specialising in race and immigration; and Anatol Lieven, director of the Eurasia Programme at the Quincy Institute for Responsible Statecraft in Washington DC.

(Image: Ursula von der Leyen, president of the European Commission, during a news conference. Credit: Milan Jaros/Bloomberg via Getty Images)

SAT 08:00 BBC News (w172ykq3vwd19k7)

The latest five minute news bulletin from BBC World Service.

SAT 08:06 Weekend (w172ykwglwlmxg)

Why do few black people in Britain swim?

Why do official statistics show that very few black people in Britain are regular swimmers? We find out why.

Also, President Biden has promised to protect women who need to cross state lines to get an abortion, in the wake of the US Supreme Court ruling overturning Roe v Wade. But will his stance help convince fellow Democrats that he's the right leader of their party during this divisive time?

Joining Julian Worricker to discuss these and other issues are

Maya Goodfellow, a British academic and author specialising in race and immigration; and Anatol Lieven, director of the Eurasia Programme at the Quincy Institute for Responsible Statecraft in Washington DC.

(Image: A couple is seen resting on the beach. Credit: Angela Jimu/Universal Images Group via Getty Images)

SAT 08:30 BBC News Summary (w172ykq9lqzntm)

The latest two minute news summary from BBC World Service.

SAT 08:32 The Conversation (w3ct37m0)

Women living with life-changing diabetes

There is no known cure for type 1 diabetes. Usually diagnosed in childhood, people's experiences differ considerably depending on where they live and their access to adequate treatment and care. Without them, complications can arise which in the most severe cases result in death. Kim Chakanetsa speaks to two women from Brazil and Australia to see how their experiences with the chronic condition compare.

Janina Gaudin, from New Zealand, is an illustrator of comics about life with Type 1 Diabetes. She uses humour to document the realities of diabetes and discuss the stigma surrounding it as well as the insulin crisis.

Beatriz Scher is an entrepreneur and digital influencer from Brazil. She has had type 1 diabetes for 21 years and believes that education is vital so that people can live fulfilled, healthy and happy lives. Beatriz uses her social media channels to raise awareness about the condition.

Produced by Emily Naylor and Jane Thurlow

(Image: (L) Beatriz Scher, courtesy of Beatriz Scher. (R) Janina Gaudin, courtesy Janina Gaudin.)

SAT 09:00 BBC News (w172ykq3vwd1f9c)

The latest five minute news bulletin from BBC World Service.

SAT 09:06 BBC OS Conversations (w3ct417m)

Latinos in Texas

It is being described as the deadliest human smuggling incident in US history after more than 50 men, women and children were found dead in an abandoned truck in San Antonio, Texas, in the United States. The temperature inside was close to 40 degrees Celsius - more than 100 degrees Fahrenheit. One police chief called it a "crime against humanity".

The incident has once again provoked discussion about those who risk their lives to fulfil their dream of getting into America. Host James Reynolds hears conversations with Latinos in Texas, talking about their experiences of growing up within two cultures.

Julietta from Mexico was just 12 when she overstayed her visa with family members. She lived in Texas for more than 20 years before gaining her American citizenship and describes the fear and constant uncertainty of growing up undocumented. We also hear from Hispanic people in Texas about the desire for a better life and the personal and professional consequences of not learning your family's mother tongue.

A truck driver from San Antonio shares the reasons why some drivers are tempted to smuggle people across the US/Mexico border. He says the lure of easy money from human traffickers is sometimes impossible to resist.

(Photo: People gather for a special mass for the migrants who were found dead inside a trailer truck at the San Fernando Cathedral in San Antonio, Texas, U.S. June 30, 2022. Credit: Reuters/Kaylee Greenlee Beal)

SAT 09:30 BBC News Summary (w172ykq9lqzqsr)

The latest two minute news summary from BBC World Service.

SAT 09:32 Pick of the World (w3ct41wx)

The high jumpers who shared a gold medal

We climb the podium with Italian high jumper Gianmarco Tamberi who shared his Olympic gold medal with Qatar's Mutaz Barshim. You also chose the story of two newborn babies found in tartan bags six years apart. And why can't airline food be nicer?

SAT 09:50 Over to You (w3ct35sc)

Reaction to the US Supreme Court's ruling

As the ramifications emerge on the Supreme Court's decision overruling the constitutional right to an abortion in many states

in the US, we've been hearing what listeners think about the BBC WS's reporting.

Plus Heart & Soul asked what are the consequences of the Church of England's historic slave plantations in Barbados? We hear from the show's producer.

Presenter: Rajan Datar.

Producer: Howard Shannon

A Whistledown production for BBC World Service

SAT 10:00 BBC News (w172ykq3vwd1k1h)

The latest five minute news bulletin from BBC World Service.

SAT 10:06 Sportshour (w172yg8kn9k65se)

Women's Euro 2022: Could it come home?

It is a big month for women's football with four continental championships. The Women's Africa Cup of Nations kicks things off on Saturday before the hosts England take on Austria in the opening match of Euro 2022 on Wednesday. Gill Coulter was part of the England side that lost to Sweden in the first ever final in 1984 and tells us how far the game has come in the past 38 years.

As the Tour de France gets underway we are joined by the man with the best seat in the house. Seb Piquet watches the race from a communications car ahead of the riders relaying important information to teams, broadcasters and fans.

British sprinter Anyika Onuora stood on the podium at every major championship in athletics. However, her new book My Hidden Race does not detail her sporting achievements. In the era of the Black Lives Matter and Me Too, it is a powerful account of what it takes to pursue your dreams as a Black woman in Britain. Nothing is off the record as Anyika is determined to finally speak out and use her story to inspire and heal others.

Plus we are live at Wimbledon and at the much delayed Fifth Test between England and India.

Presenter: Caroline Barker

(Photo: Uefa Women's Euro England 2022 organisers unveil giant women's table football players on London's iconic Carnaby Street. Credit John Phillips/Getty Images)

SAT 11:00 BBC News (w172ykq3vwd1nsm)

The latest five minute news bulletin from BBC World Service.

SAT 11:06 The Newsroom (w172y17r88r10f0)

The world's Newsroom brings you global events as they happen

SAT 11:30 BBC News Summary (w172ykq9lqr120)

The latest two minute news summary from BBC World Service.

SAT 11:32 Unspun World with John Simpson (w3ct42lv)

Would Russians support a war with the West?

This week John Simpson examines: what Russians make of the dangers of a wider war with the west with the Russian service's Olga Ivshina; what life is like in Syria now with BBC's Middle-East correspondent, Lina Sinjab; the challenges facing President Macron's second term since his party lost its majority with the BBC's Paris correspondent, Lucy Williamson; the impact of extreme heat on migrant workers in the Gulf with Cecilia Golding, producer of the documentary The Gulf: Killer Heat - part of a BBC series called Life At 50 Degrees and whether international sport is at risk of being overwhelmed by Middle Eastern oil money with sports editor Dan Roan.

Unspun World provides an unvarnished version of the week's major global news stories with the BBC's world affairs editor John Simpson and the BBC's unparalleled range of experts.

Photo: Russian who protest face fines or time in prison
Credit: Getty Images

SAT 12:00 BBC News (w172ykq3vwd1s1r)

The latest five minute news bulletin from BBC World Service.

SAT 12:06 World Book Club (w3ct3c7l)

Mohsin Hamid: Exit West

In the season celebrating The Exuberance of Youth, World Book Club talks to Pakistani writer Mohsin Hamid about his compelling novel, Exit West.

Shortlisted for the Man Booker Prize Exit West features Nadia and Saeed, two ordinary young people, attempting to fall in love

in a world turned upside down. Civil war is driving them from their homeland and they join the great outpouring of people fleeing a collapsing city, hoping against hope, to find their place in the world. Then something extraordinary happens: doors start appearing, all over the world. They lead to other cities, other countries, other lives. But once you leave there's no coming back. Readers from around the world put their questions to Mohsin Hamid about this dazzling book.

(Picture: Mohsin Hamid. Photo credit: Jillian Edelstein.)

SAT 13:00 BBC News (w172ykq3vwd1x8w)

The latest five minute news bulletin from BBC World Service.

SAT 13:06 Newshour (w172yfc0z254g75)

Ukraine: Explosions in the southern city of Mykolaiv

Authorities have urged residents to stay in air raid shelters. Also reports from Russian state media say that two Britons will stand trial for "mercenary activities," and the ship which Ukraine says is full of stolen grain.

Also, the UN special advisor on Libya condemns the violence after the Libyan parliament in the city of Tobruk is set ablaze by protesters. And Greece's minister of Climate Change tells us about their efforts to combat wildfires before they even take place.

(Photo: A man examines pictures over the debris in Mykolaiv
Credit: Ivanchenko/EPA)

SAT 14:00 BBC News (w172ykq3vwd2110)

The latest five minute news bulletin from BBC World Service.

SAT 14:06 Sportsworld (w172yjs2ll2q1s)

Live Sporting Action

Lee James presents live commentary from Wimbledon on day 6 of the championships.

Plus we'll be at the delayed final cricket Test between England and India at Edgbaston, look ahead to the start of the Africa Women's Cup of Nations, stage two of the Tour De France and find out what happened in qualifying for the British Formula One Grand Prix from Silverstone.

Photo: A general view within the grounds at Wimbledon ahead of The Championships Wimbledon 2022 at All England Lawn Tennis and Croquet Club on June 25, 2022. (Credit: CameraSport via Getty Images).

SAT 18:00 BBC News (w172ykq3vwd2j0j)

The latest five minute news bulletin from BBC World Service.

SAT 18:06 The Newsroom (w172y17r88r1vmx)

The world's Newsroom brings you global events as they happen

SAT 18:30 BBC News Summary (w172ykq9lqr8x)

The latest two minute news summary from BBC World Service.

SAT 18:32 Dear Daughter (w3ct42g4)

[Repeat of broadcast at 05:32 today]

SAT 18:50 Sporting Witness (w3ct36fp)

Jens Voigt: Riding the Tour De France on a child's bike

In July 2010, the German cyclist Jens Voigt crashed while descending a mountain in the Pyrenees during the Tour De France. With his bike destroyed and his team support cars a long way up the road, Voigt borrowed a child's bike and rode the next 15 kilometres on it. He talks to Ashley Byrne.

(Photo: Jens Voigt in action at the 2010 Tour De France.
Credit: Getty Images)

SAT 19:00 BBC News (w172ykq3vwd2mrn)

The latest five minute news bulletin from BBC World Service.

SAT 19:06 The Documentary (w3ct43bl)

Kissinger

Few alive can claim as much influence over the shape of the modern world as Henry Kissinger. The former US Secretary of State and Nobel Peace laureate is loved, loathed and listened to - for the decisions he took, the attitude he espoused and for his knowledge and analysis of world affairs. James Naughtie travelled to Kissinger's home to discuss six great leaders and the lessons they taught, as Kissinger reflects on his own role in

creating the modern world.

SAT 20:00 BBC News (w172ykq3vwd2rhs)

The latest five minute news bulletin from BBC World Service.

SAT 20:06 The Arts Hour (w3ct3909)

On Tour in Helsinki

The Arts Hour is on tour in Helsinki to explore how Helsinki's creatives are feeling at a time of increased tension with neighbouring Russia following Finland's application to join NATO.

Nikki Bedi is joined on stage by award-winning writer Rosa Liksom, the author of *Compartment No. 6*. Her novel explores the historic tensions between Finland and neighbouring Russia through the eyes of a young Finnish student and Russian miner, who strike up an unlikely friendship while travelling on a train across Russia. The film adaptation of Liksom's novel, was released to widespread critical acclaim and won the Grand Prix at the 2021 Cannes Film Festival.

Krista Kosonen joins Nikki to discuss Finnish film and TV. Krista stars in HBO Nordic's series *Beforeigners* and is a two time winner of the lead actress gong at Finland's premier film industry ceremony, the Jussi Awards.

Iranian-born Finnish comedian and presenter, Ali Jahangiri also joins Nikki on stage. Ali arrived in Finland as a refugee aged 10 and his comedy has often reflected Finnish attitudes to immigrants.

St Petersburg-born artist and émigré to Finland Pavel Rotts from the artistic duo *SashaPasha* on reflecting the Russian experience during a time of conflict.

Plus one of Finland's rising stars, Olivera, talks to Nikki about finding self-expression through music, and Nordi-Pop, indie-folk star Sansa tells us how she marries a modern outlook with the traditions of the Finnish tango...all in front of a live audience at the Apollo Live Theatre, Helsinki.

Produced by Oliver Jones.

SAT 21:00 BBC News (w172ykq3vwd2w7x)

Afghanistan: major meeting of clerics concludes

A 3-day meeting of Islamic clerics and tribal leaders in Kabul has ended with a call to the world to recognise the Taliban's leadership of Afghanistan and to lift sanctions.

Also on the programme: protesters storm Libya's parliament in the eastern city of Tobruk; and unrest in Karakalpakstan.

(Image: Taliban spokesmen talk with journalists as they brief them about Loya Jirga (Grand Assembly), in Kabul, Afghanistan, 30 June 2022. Credit - STRINGER/EPA-EFE/REX/Shutterstock.)

SAT 21:06 Newshour (w172yfc0z255f66)

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(Image: Taliban spokesmen talk with journalists as they brief them about Loya Jirga (Grand Assembly), in Kabul, Afghanistan, 30 June 2022. Credit - STRINGER/EPA-EFE/REX/Shutterstock.)

SAT 22:00 BBC News (w172ykq3vwd3001)

The latest five minute news bulletin from BBC World Service.

SAT 22:06 Music Life (w3ct30k1)

Writing is therapy, with Natalia Lacunza, Birdy, Matt Maltese and Silvana Estrada

Natalia Lacunza, Birdy, Matt Maltese and Silvana Estrada talk about the importance of being your own friend, out-of-body experiences when playing live, how being in the studio is like being a child again, and how they find the middle ground between self-doubt and ego.

Spanish singer-songwriter Natalia Lacunza's music career was kickstarted by her appearance on the TV singing competition *Operación Triunfo*. Her music blends elements of bedroom pop with electronic overtones and heartfelt lyrics.

Mexican singer and composer Silvana Estrada's music reimagines the legacy of Latin American song in her own

personal, poetic style. She has performed internationally with artists including former Music Life host Jorge Drexler.

Matt Maltese's sweeping indie ballads have taken TikTok by storm, and led him to be described as "the UK's answer to Father John Misty". His track *As the World Caves In* has over 200 million streams on Spotify.

UK singer-songwriter Birdy first shot to fame at the age of 14 with her cover of Bon Iver's track *Skinny Love*. She's since released four albums of her own magical indie folk, and her music has featured on the soundtrack of films such as *The Hunger Games* and *The Fault In Our Stars*.

SAT 23:00 BBC News (w172ykq3vwd33r5)

The latest five minute news bulletin from BBC World Service.

SAT 23:06 The Newsroom (w172yrwtdt2t3sr)

The world's Newsroom brings you global events as they happen

SAT 23:20 Sports News (w172ygh464cr6sg)

BBC Sport brings you all the latest stories and results from around the world.

SAT 23:30 BBC News Summary (w172ykqy9lzh0k)

The latest two minute news summary from BBC World Service.

SAT 23:32 The Cultural Frontline (w3ct37rl)

Hong Kong: 25 years on

Twenty-five years since the handover of Hong Kong from the British back to China, journalist and former BBC Hong Kong correspondent Juliana Liu explores the cultural impact in Hong Kong itself and in the diaspora.

Billy Tang is the new Executive Director and curator of Para Site, one of the oldest and most active independent art institutions in Asia. He tells us about the appeal of working in and shaping the culture of Hong Kong.

Arts and culture journalist Vivienne Chow explores what's happening in the Hong Kong cultural scene, from the revival of Cantopop, to the decision of some artists to leave the city.

Samson Young is a Hong Kong based artist and composer with a fascination for sound and experimentation. He represented Hong Kong in the 2017 Venice Biennale and the energy, intensity and history of the city has influenced him and his work. He describes his latest project and what it's like to make art in Hong Kong today.

With the introduction of the National Security law and last year, the film censorship law, many artists have chosen to leave Hong Kong. Filmmakers Ka Leung Ng and Ching Wong first met making the dystopian speculative fiction film *Ten Years*, which won Best Film at the Hong Kong Film Awards in 2016. They've now come together again, and earlier this year created the first Hong Kong Film Festival UK. They explained why they felt it was important to show films that are no longer able to screen in their native Hong Kong.

(Photo: A poster celebrating the 25th anniversary of Hong Kong's handover. Credit: China News Service/Getty Images)

SUNDAY 03 JULY 2022

SUN 00:00 BBC News (w172ykq3vwd37h9)

The latest five minute news bulletin from BBC World Service.

SUN 00:06 BBC OS Conversations (w3ct417m)

[Repeat of broadcast at 09:06 on Saturday]

SUN 00:30 BBC News Summary (w172ykqy9lzh0k)

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SUN 00:32 Dear Daughter (w3ct42g4)

[Repeat of broadcast at 05:32 on Saturday]

SUN 00:50 More or Less (w3ct3k4t)

[Repeat of broadcast at 05:50 on Saturday]

SUN 01:00 BBC News (w172ykq3vwd3c7f)

The latest five minute news bulletin from BBC World Service.

SUN 01:06 The Science Hour (w3ct39zb)

Extreme heat death risk in Latin America

Audio for this episode was updated on 8th July.

A new analysis of deaths in cities across Latin America suggests rising global temperatures could lead to large numbers of deaths in the region and elsewhere in the world. Even a 1-degree rise in extreme heat can add 6% to the risk of dying. Lead researcher Josiah Kephart at Drexel University tells Roland Pease the lessons from Latin America should apply to cities across the global south.

Brazilian ecologist Andreas Meyer talks about the troubling prospects for the health of ecosystems, particularly in tropical regions, if the world does not cut its fossil fuel emissions hard and fast in the next few years.

In the USA, a team of engineers and neurosurgeons are developing a radical new approach for targeted pain relief – in the first instance, for patients recovering from surgery. It's a flexible implant that wraps around a nerve and cools it to prevent it from transmitting pain signals. What's more, says bioengineer John Rogers, the implant is made of a material designed to have dissolved safely into the body by the time its pain-killing work is done.

Geologist Bob Hazen has spent more than a decade producing a new classification system for the 5,700 minerals known to exist on the Earth. It improves on the pre-existing scheme by taking into account the myriad ways that many minerals have come into being. He tells Roland that this new way of categorising minerals lays bare a 4.5 billion-year history of remarkable chemical and biological creativity.

And, Hair is an important part of our identities – straight, frizzy, long, not there at all – and our efforts to keep it styled and clean have created an \$80 billion hair care industry. Many products offer to improve the life of the stuff on our heads, but isn't it all just dead protein?

CrowdScience listener Toria wants to know what 'healthy' hair really means. To untangle the science behind hair, we zoom in to see how hair grows from the follicles in our scalp and explore how the hair growth process will change over our lifetimes.

Changes in our hair and disorders affecting the scalp can often have emotional impacts on our lives, as presenter Marnie Chesterton learns from a dermatologist who specialises in hair issues.

Having been on a journey with her own hair in recent years following chemotherapy, Marnie is ready for a new 'do and ventures to the hair salon to find out about the health of her own hair.

Meanwhile, another CrowdScience listener, Lucy, wonders why humans lost hair (or fur) on most of our bodies when most other mammals are covered in the stuff. A biological anthropologist who studies not only why hair became concentrated on our heads, but also why there's so much diversity in hair types across humans, unpacks the evolutionary benefits.

Does different hair need different care? And when it comes to shampoo, conditioner, washing, blowdrying and dyeing, what should we be doing to keep our hair structure sound?

As we learn about this strange, non-living feature of our bodies, Marnie finds a new appreciation for the "dead strands of protein sticking out of our skin". And with listener Toria's help and advice, she also finds a new shade for her chemo-curled locks.

(Image: Rio de Janeiro City. Credit: Pintai Suchachaisri/Getty Images)

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The latest two minute news summary from BBC World Service.

SUN 02:32 The Documentary (w3ct43b4)

Abortion rights around the world

In June, the US Supreme Court overruled *Roe v Wade* and ended the constitutional right to abortion in America. Iona Hampson investigates the changing dynamic of abortion rights globally in countries like Colombia, China and Ireland, and examines the restrictions still faced by women in Africa and places like Malta and El Salvador.

Audio for this episode was updated on 4 July 2022 due to a factual error in a previous version.

SUN 03:00 BBC News (w172ykq3vwd3lqp)

The latest five minute news bulletin from BBC World Service.

SUN 03:06 World Book Club (w3ct3c7l)

[Repeat of broadcast at 12:06 on Saturday]

SUN 04:00 BBC News (w172ykq3vwd3qgt)

The latest five minute news bulletin from BBC World Service.

SUN 04:06 From Our Own Correspondent (w3ct329h)

Surviving Russian 'filtration' tactics

Pascale Harter introduces reportage, analysis and reflection from Ukraine, Rwanda, Canada and Hong Kong.

Civilians trying to escape from Mariupol and other Ukrainian cities under siege by Russian forces have to survive many ordeals. Surviving in urban areas without water, power, communications or food is hard enough. But leaving presents other dangers – from the risks of being caught in attacks on convoys, to the terrifying process of interrogation called 'filtration', which Russian forces have used to weed out anyone who's spoken out against the war or Russian policies. Hugo Bachega talked to several men who endured brutal treatment, interrogation and injury as they went through filtration.

The Commonwealth summit in Kigali put Rwanda back in the international spotlight – and despite the country's pride in itself and its leadership, not all the attention was flattering. The government of President Paul Kagame has also attracted serious criticism for its human rights record. Anne Soy challenged the President and heard his fierce rebuttal of the accusations often made against him.

As millions of tons of wheat are kept out of the global market this year by the war in Ukraine, who will step up to feed the world? Grain, fuel and fertiliser prices are all spiralling worldwide, with dire consequences for poor countries which depend on cheap imports. But might some other grain-exporting countries benefit? Greg Mercer talked to farmers in Canada's arable areas who are cautious about the prospects for their 2022 crop.

And in Hong Kong the public said another sad goodbye to an iconic spot in the city: the famous Jumbo floating restaurant, which had sat in the waters for more than 50 years and was a favourite place to eat for generations of Hong Kongers. Louisa Lim's family would often drop in for dim sum there – and now it's gone, she was moved to reflect on how much of the past the city is losing.

Producer: Polly Hope

Production Co-Ordinator: Gemma Ashman

(Image: Andriy – a Ukrainian who wanted to leave a city under Russian occupation - was forced to go through a process called filtration. He's still afraid to reveal his identity. Credit: Janne Kern)

SUN 04:30 BBC News Summary (w172ykq9lzt2r6)

The latest two minute news summary from BBC World Service.

SUN 04:32 The Cultural Frontline (w3ct37rl)

[Repeat of broadcast at 23:32 on Saturday]

SUN 05:00 BBC News (w172ykq3vwd3v6y)

The latest five minute news bulletin from BBC World Service.

SUN 05:06 The Newsroom (w172yl7r88r35vb)

The world's Newsroom brings you global events as they happen

SUN 05:30 BBC News Summary (w172ykq9lzt6hb)

The latest two minute news summary from BBC World Service.

SUN 05:32 The Documentary (w3ct42lg)

From Ukraine to Israel: An exodus for our times

Thousands of Ukrainians are fleeing to Israel – joining a million-plus former Soviets who have already moved to this Middle Eastern nation, with profound consequences for both Israel and the region.

Tim Samuels investigates this very modern 'exodus' of Jews, once again running from Eastern Europe, a journey so many of their ancestors made before.

He meets Ukrainian refugees in a Tel Aviv immigration hotel trying to start a new life for themselves after fleeing from the horrors of the conflict, but also finding themselves sharing the same facilities as Russians who have left their country too far

Israel.

The land they are moving to is already home to more than a million citizens from the former USSR – a wave that began in earnest in the 1990s, after decades of being denied the right to leave for Israel.

Samuels meets 'refusenik'-turned-Israeli politician, Natan Sharansky, to talk about the impact this sudden wave of ex-Soviets had on their new homeland and Middle Eastern politics. And what will be in store for these latest migrants – in a country where 'Russians' can still be seen and treated as a distinct tribe.

Not far from the hotel housing new arrivals lies the vast, unfinished residency of Roman Abramovich – one of a number of oligarchs with Israeli citizenship. It is unclear if the home will be ever be completed by Abramovich, if action will be taken against the oligarchs, or indeed whether Israel will carry on trying to mediate in the conflict.

It all speaks to the complex and unusual relationship between Ukraine, Russia and this Middle Eastern nation with so many citizens from the former Soviet Union.

Music featured:

Stefan Wesolowski – Love

Immortal Onion – Dune

Both tracks from the compilation: W snach widzę spokojny Wschód / In my dreams I see a peaceful East, digital album by Various Artists. Published by Palma Foundation.

(Photo: Ukrainian Jewish refugee sits inside the Agudath Israel synagogue in Moldova's capital Chisinau before heading to the airport to board a plane to Israel, March 2022. Credit: Gil Cohen-Magen/AFP/Getty Images)

SUN 06:00 BBC News (w172ykq3vwd3yz2)

The latest five minute news bulletin from BBC World Service.

SUN 06:06 Weekend (w172ykwglwq9b9)

Who controls the eastern Ukrainian city of Lysychansk?

We have the latest as both Ukrainian and Russian forces claim to be in control of the eastern city of Lysychansk.

Also, the importance of addressing the climate crisis, as NATO aims to cut greenhouse gas emissions.

Plus, Egyptian authorities demolish house boats in a bid to beautify the River Nile; we hear from a resident of one of the boats.

And we look at what the impact of the blockade of Gaza is having specially on young people.

Joining Julian Worricker to discuss these and other issues are Tony Connell, RTE Europe Editor and author; and Kate Clark, co-Director of the Afghanistan Analysts Network.

(Image: Smoke billowing over the oil refinery outside the town of Lysychansk. Credit: ANATOLII STEPANOV/AFP via Getty Images)

SUN 07:00 BBC News (w172ykq3vwd42q6)

The latest five minute news bulletin from BBC World Service.

SUN 07:06 Weekend (w172ykwglwqf2f)

UN calls for urgent action on women's rights in Afghanistan

UN calls for urgent action on the rights of women and girls in Afghanistan. We hear from Fawzia Koofi, a former vice-president of the Afghan parliament.

Also, how urban gardens are easing food shortages in parts of Brazil.

And a landmark exhibition opens in London telling the story of African fashion.

Joining Julian Worricker to discuss these and other issues are Tony Connell, RTE Europe Editor and author; and Kate Clark, co-Director of the Afghanistan Analysts Network.

(Image: Women stitch garments at the workshop of a women-run company in Kandahar. Credit: JAVED TANVEER/AFP via Getty Images)

SUN 08:00 BBC News (w172ykq3vwd46g6)

The latest five minute news bulletin from BBC World Service.

SUN 08:06 Weekend (w172ykwglwqjtk)

Russian and Ukrainian forces claim control of Lysychansk

The latest as both Ukrainian and Russian forces claim to be in control of the eastern city of Lysychansk.

Plus, an upcoming recovery conference on the reconstruction of Ukraine - we will discuss why harm caused by cyberattacks should be on the agenda.

Also, why major and minor keys in music make us happy or sad.

Joining Julian Worricker to discuss these and other issues are Tony Connell, RTE Europe Editor and author; and Kate Clark, co-Director of the Afghanistan Analysts Network.

(Image: An armoured vehicle on the main road to Lysychansk, Ukraine. Credit: BAGUS SARAGIH/AFP via Getty Images)

SUN 08:30 BBC News Summary (w172ykq9lztqkq)

The latest two minute news summary from BBC World Service.

SUN 08:32 The Food Chain (w3ct38n0)

Lemn Sissay: My life in five dishes

The internationally acclaimed poet and playwright Lemn Sissay OBE shares the story of his life by recalling five memorable dishes.

His is an extraordinary story of family, and identity, lost and found.

Born to an Ethiopian mother in the north of England and quickly placed into long-term foster care, Lemn was, for years, deprived of any knowledge of his heritage. His traumatic upbringing and subsequent search for his family and identity have informed much of his award-winning writing.

In this programme, he tells Ruth Alexander about five memorable dishes that act as "positioning points" in his life to date.

If you would like to get in touch with the show, please email: thefoodchain@bbc.co.uk

(Picture: Lemn Sissay holding a cup of coffee. Credit: BBC)

Producer: Elisabeth Mahy

Researcher: Siobhan O'Connell

SUN 09:00 BBC News (w172ykq3vwd4b6g)

The latest five minute news bulletin from BBC World Service.

SUN 09:06 From Our Own Correspondent (w3ct329h)

[Repeat of broadcast at 04:06 today]

SUN 09:30 BBC News Summary (w172ykq9lztqgy)

The latest two minute news summary from BBC World Service.

SUN 09:32 Outlook (w3ct41dm)

London's revolutionary kiss-in

Ted Brown is a black LGBT rights pioneer who helped organise the UK's first Gay Pride march in 1972, featuring a mass 'kiss-in' that, at the time, would have been considered gross indecency, which was against the law. When Brown realised he was gay, homosexuality was illegal in Britain - the only person he came out to was his mother. She cried and told him he'd have to battle not just racism but homophobia too; both were rife in society at the time. At one point Brown felt so dismal about his future that he considered taking his own life. But inspired by the Stonewall Riots, he found hope in Britain's Gay Liberation Front and became a key figure in fighting bigotry in the UK. He tells Emily Webb his moving life story.

Get in touch: outlook@bbc.com

Presenter: Emily Webb

Producer: Harry Graham

(Photo: Ted Brown (left) with his partner Noel and human rights campaigner Peter Tatchell (right) at the first Pride march in London, 1972

Credit: Courtesy of Ted Brown)

SUN 10:00 BBC News (w172ykq3vwd4fyf)

The latest five minute news bulletin from BBC World Service.

SUN 10:06 People Fixing The World (w3ct3j2j)

The future of wind power

Could floating wind turbines and kites that generate electricity

help fight climate change?

There are lots of innovative new ways people are harnessing the power of the wind.

We visit a floating wind farm off the coast of Scotland, check out wind turbines on street lamps and see how much power giant kites can generate.

Along the way we investigate the massive potential of wind energy and assess the challenges involved in catching the breeze.

Presenter: Myra Anubi
Reporter/producer: Claire Bates
Reporter: Craig Langran
Executive producer: Tom Colls
Production Coordinator: Ibtisam Zein
Sound mix: Hal Haines
Editor: Penny Murphy

Image: Illustration of a wind turbine on a cloud (Getty Images)

SUN 10:30 BBC News Summary (w172ykq9lzt6z)

The latest two minute news summary from BBC World Service.

SUN 10:32 Heart and Soul (w3ct423f)

Faith in science

CERN, in Geneva, is the most complex scientific experiment in the world. It has just restarted operating after a break, and is celebrating the 10th anniversary of detecting the Higgs Boson, a particle that is the final piece in the jigsaw of the standard model of physics. It explains how particles acquire mass. Without mass, there would be no matter and we wouldn't be here.

The Large Hadron Collider at CERN was designed to find this Higgs boson, and smashes particles at almost the speed of light in a tunnel deep underground to discover new particles. It attempts to explain how the Big Bang worked. We go underground to visit one of the enormous detectors at the famous Large Hadron Collider and talk to young scientists from different parts of all the world who, despite looking for scientific answers to how the universe began, still believe devoutly in a creator.

Among the other contributors are the designer of the LHC itself, Lyn Evans; physicists with and without faith who have been at CERN from the early days; a scientist who studies anti-matter and other members of CERN staff, old and new. Faith in Science is presented by Elin Rhys, a scientist raised as a Baptist, who struggles with not knowing the answer to what was there before The Big Bang and tries to discover how scientists with a faith square this with their research into why we exist.

(Image: Elin Rhys and Dr Orlando Villalobos Baillie stand in front of the Alice Experiment at CERN. Credit: Telesgop)

SUN 11:00 BBC News (w172ykq3vwd4kppq)

The latest five minute news bulletin from BBC World Service.

SUN 11:06 The Newsroom (w172yl7r88r3xb3)

The world's Newsroom brings you global events as they happen

SUN 11:30 BBC News Summary (w172ykq9lztz3)

The latest two minute news summary from BBC World Service.

SUN 11:32 The Compass (w3ct42ky)

Walking The Iron Curtain

Walking the Iron Curtain: Booming Balkans

The borders of the Balkans have been splintered, cracked and remade countless times over centuries. Suspicions and hatreds, ancient and modern, still scar the landscape. Travelling through the southernmost regions bisected by the Iron Curtain, Mary-Ann Ochota meets the conservationists convinced that a shared love of the region's landscape and wildlife can heal division.

From Trieste in Italy, a staging post for generations of refugees-including the Ukrainian exodus of 2022- she travels south-east to Lake Prespa where North Macedonia, Greece and Albania meet.

Conflict and poverty have driven people from this beautiful place but in their absence nature has thrived. Can joint efforts to protect the region's bears, lynx and endemic fish and flora boost the economy and persuade the young people to stay and the diaspora to return?

(Photo: Three Cold War borders meet in the centre of Lake Prespa, one of the most wildlife-rich places in Europe)

SUN 12:00 BBC News (w172ykq3vwd4pfv)

The latest five minute news bulletin from BBC World Service.

SUN 12:06 The Documentary (w3ct43bl)

[Repeat of broadcast at 19:06 on Saturday]

SUN 13:00 BBC News (w172ykq3vwd4t5z)

The latest five minute news bulletin from BBC World Service.

SUN 13:06 Newshour (w172yfc0z257c48)

Russia claims control over Luhansk

Russia says it now controls the whole of the Luhansk region in eastern Ukraine. We assess that claim and look at the big picture of the war's progress and hear from America's top general.

Also on the programme, we hear from Australia's biggest city, Sydney, were thousands of people have been told to leave their homes because of the risk of flooding; and the legendary British theatre director, Peter Brook, has died in Paris at the age of ninety-seven. We speak to actor Kathryn Hunter, a long time collaborator.

(Photo: Devastation in Lysychansk, Luhansk region; Credit: REUTERS/Oleksandr Ratushniak)

SUN 14:00 BBC News (w172ykq3vwd4xy3)

The latest five minute news bulletin from BBC World Service.

SUN 14:06 Sportsworld (w172ygs2ll5lyw)

Live Sporting Action

Delyth Lloyd presents live commentary from Wimbledon on day 7 of the championships.

Plus, we head to Edgbaston to get the latest on day three of the delayed final Test match between England and India, the Africa Women's Cup of Nations, stage three of the Tour De France and find out who took victory in Formula One's British Grand Prix from Silverstone.

Photo: Wimbledon general view at All England Lawn Tennis and Croquet Club. (Credit: CameraSport via Getty Images)

SUN 18:00 BBC News (w172ykq3vwd5dxm)

The latest five minute news bulletin from BBC World Service.

SUN 18:06 Music Life (w3ct30k1)

[Repeat of broadcast at 22:06 on Saturday]

SUN 19:00 BBC News (w172ykq3vwd5jnr)

The latest five minute news bulletin from BBC World Service.

SUN 19:06 The Newsroom (w172yl7r88r4w94)

The world's Newsroom brings you global events as they happen

SUN 19:30 BBC News Summary (w172ykq9lvzw4)

The latest two minute news summary from BBC World Service.

SUN 19:32 Unspun World with John Simpson (w3ct42lv)

[Repeat of broadcast at 11:32 on Saturday]

SUN 20:00 BBC News (w172ykq3vwd5ndw)

The latest five minute news bulletin from BBC World Service.

SUN 20:06 The History Hour (w3ct39le)

Hong Kong: 25 years since the handover from British to Chinese rule

Stories from Hong Kong, 25 years on since the handover from British to Chinese rule. We hear from the last governor of Hong Kong, a pro democracy campaigner and about life in Kowloon Walled City.

(Photo: Chris Patten at the handover ceremony of Hong Kong from Britain to China. Credit: Getty Images)

SUN 21:00 BBC News (w172ykq3vwd5s50)

The latest five minute news bulletin from BBC World Service.

SUN 21:06 Newshour (w172yfc0z258b39)

Russia claims it controls Ukraine's eastern Luhansk region

Russia claims it controls Ukraine's eastern Luhansk region, a senior Ukrainian politician gives his reaction; thousands of Australians made homeless by heavy torrential rain and a giant of British modern theatre Peter Brook has died, his friend the actor Kathryn Hunter remembers him. (Photo shows a destroyed apartment bloc in the city of Sievierodonetsk in the Luhansk Region. Credit: Alexander Ermochenko via REUTERS)

SUN 22:00 BBC News (w172ykq3vwd5wx4)

The latest five minute news bulletin from BBC World Service.

SUN 22:06 Tech Tent (w3ct3758)

The profound tech consequences of Roe v Wade

Professor Gina Neff and Eva Blum-Dumontet investigate how individuals and tech companies should react to abortion becoming illegal in parts of the US. David Martin Ruiz from the European consumer group BEUC explains what it calls Google's "fast track to surveillance" for its users, and making virtual reality sound immersive, with professor Mark Plumbley.

SUN 22:30 BBC News Summary (w172ykq9lzw8j)

The latest two minute news summary from BBC World Service.

SUN 22:32 Pick of the World (w3ct41wx)

[Repeat of broadcast at 09:32 on Saturday]

SUN 22:50 Over to You (w3ct35sc)

[Repeat of broadcast at 09:50 on Saturday]

SUN 23:00 BBC News (w172ykq3vwd60n8)

The latest five minute news bulletin from BBC World Service.

SUN 23:06 The Newsroom (w172yrwwd2x0pv)

The world's Newsroom brings you global events as they happen

SUN 23:20 Sports News (w172ygh464cv3pk)

BBC Sport brings you all the latest stories and results from around the world.

SUN 23:30 BBC News Summary (w172ykq9lzwcxn)

The latest two minute news summary from BBC World Service.

SUN 23:32 Outlook (w3ct41dm)

[Repeat of broadcast at 09:32 today]

MONDAY 04 JULY 2022

MON 00:00 BBC News (w172ykq3vwd64dd)

The latest five minute news bulletin from BBC World Service.

MON 00:06 From Our Own Correspondent (w3ct329h)

[Repeat of broadcast at 04:06 on Sunday]

MON 00:30 BBC News Summary (w172ykq9lvzwhs)

The latest two minute news summary from BBC World Service.

MON 00:32 Heart and Soul (w3ct423f)

[Repeat of broadcast at 10:32 on Sunday]

MON 01:00 BBC News (w172ykq474pb3dp)

The latest five minute news bulletin from BBC World Service.

MON 01:06 The Newsroom (w172yl7rmk19g12)

The world's Newsroom brings you global events as they happen

MON 01:30 BBC News Summary (w172ykqynw90gp2)

The latest two minute news summary from BBC World Service.

MON 01:32 Discovery (w3ct43bk)

The Life Scientific: Adam Hart

Ant-loving professor, Adam Hart, shares his passion for leaf cutting ants with Jim Al Khalili. Why do they put leaves in piles for other ants to pick up?

Talking at the Hay Festival, Adam describes the experiments he designed to test the intelligence of the hive mind. When does a waggle dance become a tremble dance? And how do the honey bees know when this moment should be?

We like the phrase 'as busy as a bee'. In fact, bees spend a lot of time doing nothing at all, a sensible strategy from the point of view of natural selection.

And where does Adam stand on insect burgers?

Producer: Anna Buckley

MON 02:00 BBC News (w172ykq474pb74d)

The latest five minute news bulletin from BBC World Service.

MON 02:06 The Newsroom (w172yl7rmk19ks6)

The world's Newsroom brings you global events as they happen

MON 02:30 BBC News Summary (w172ykqynw90lf6)

The latest two minute news summary from BBC World Service.

MON 02:32 The Climate Question (w3ct3kj3)

Where have all the mangroves gone?

Along almost every tropical coastline you can find the tangled roots of mangrove trees, a natural barrier against extreme weather. They are also one of the most powerful weapons we have for fighting climate change. Mangrove forests are six times better at capturing carbon than tropical forests. But in the last 40 years up to a third of mangrove forests worldwide have disappeared.

Joining presenters Kate Razzell and Qasa Alom to discuss where our mangroves have gone are:

Leah Glass, Technical Advisor for Blue Carbon at Blue Ventures

Andre Aquino Senior Natural Resources Management Specialist, World Bank, Indonesia

Producer: Dearbhail Starr

Researchers: Immy Rhodes and Louise Parry

Reporter: Fyneface Dumnamene

Series producer: Alex Lewis

Sound Mix: Tom Brignell

Production Co-ordinators: Siobhan Reed and Helena Warwick-Cross

Editor: Richard Fenton-Smith

MON 03:00 BBC News (w172ykq474pbwby)

The latest five minute news bulletin from BBC World Service.

MON 03:06 Tech Tent (w3ct3758)

[Repeat of broadcast at 22:06 on Sunday]

MON 03:30 BBC News Summary (w172ykqynw90q5b)

The latest two minute news summary from BBC World Service.

MON 03:32 Pick of the World (w3ct41wx)

[Repeat of broadcast at 09:32 on Saturday]

MON 03:50 Over to You (w3ct35sc)

[Repeat of broadcast at 09:50 on Saturday]

MON 04:00 BBC News (w172ykq474pbgn2)

The latest five minute news bulletin from BBC World Service.

MON 04:06 The Newsroom (w172yl7rmk19t8g)

The world's Newsroom brings you global events as they happen

MON 04:30 BBC News Summary (w172ykqynw90txg)

The latest two minute news summary from BBC World Service.

MON 04:32 The Conversation (w3ct37m1)

Women tackling the global plastic crisis

Two women confronting the dangers of plastic pollution talk to Kim Chakanetsa. They're sounding the alarm and working on innovative solutions: from an island clear-up that collected 750,000 empty plastic bottles to reducing microplastics in the air and waterways.

Estrela Matilde lives on the island of Principe off the coast of West Africa – where her work to reduce plastic pollution has helped increase the number of turtle nests by more than 40 percent to 2,500 over six years. Estrela is a Whitley Fund for Nature winner 2022.

Siobhan Anderson is a co-founder of a start-up called The Tyre Collective. They're working to find a solution to the plastic pollution caused by tyre wear. The waste from tyres as they

degrade is the second largest microplastic pollutant in the environment – making up to 28% of primary microplastics in our oceans, as well as contributing to airborne pollution. Siobhan is from California in the United States and is now based in London.

Produced by Jane Thurlow

(Image: (L) Estrela Matilde, credit Fundação Príncipe & Yves Rocher Award. (R) Siobhan Anderson, courtesy Siobhan Anderson.)

MON 05:00 BBC News (w172ykq474pbld6)

The latest five minute news bulletin from BBC World Service.

MON 05:06 Newsday (w172yf8104nc71m)

Ukraine war: Lysychansk in Russian control

Ukraine's surrender of Lysychansk cedes control of the whole of the Luhansk region to Russia and refocuses the campaign on the neighbouring Donetsk oblast, where cities are now coming under ever more intense bombardment.

Three people have been killed after a gunman opened fire in a shopping centre in the Danish capital, Copenhagen.

And amid an unprecedented fuel crisis, the Sri Lankan Education Ministry has declared a holiday week from July 4 for all government and state-approved private schools.

MON 06:00 BBC News (w172ykq474pbq4b)

The latest five minute news bulletin from BBC World Service.

MON 06:06 Newsday (w172yf8104ncbsr)

Ukraine's President vows to retake Lysychansk

President Volodymyr Zelensky said Ukrainian forces were outnumbered and outgunned in the east but he has vowed to retake Lysychansk from Russia with the aid of new, more sophisticated weapons.

Three people have been killed after a gunman opened fire in a shopping centre in the Danish capital, Copenhagen. A twenty-two year-old Danish man has been arrested.

And Pakistan's military has agreed to hold peace talks with the banned TTP or Pakistani Taliban.

MON 07:00 BBC News (w172ykq474pbtwg)

The latest five minute news bulletin from BBC World Service.

MON 07:06 Newsday (w172yf8104ncgfw)

Russia confirms control of Luhansk region in Ukraine

The focus of Russia's advance in eastern Ukraine is expected to shift to the Donetsk region after Kyiv withdrew its forces from its last foothold in neighbouring Luhansk.

A 22-year-old Danish man is to appear in court in connection with the killing of three people at a shopping centre in the capital, Copenhagen.

And as American airports prepare for one of the busiest travel days of the year, we ask whether everyone will make it back home in time for thanksgiving dinner.

MON 08:00 BBC News (w172ykq474pbym1)

The latest five minute news bulletin from BBC World Service.

MON 08:06 HARDtalk (w3ct32qq)

Kylie Moore-Gilbert: 804 days in an Iranian jail

Iran's rocky relations with the West have cost a host of individuals their freedom. The Islamic republic has imprisoned citizens from the US, Britain and a number of other countries for spying. The charges may be trumped up, but Tehran's determination to use western prisoners for political purposes is very real. Stephen Sackur speaks to Australian academic Kylie Moore-Gilbert, who was released from an Iranian jail in 2020 after 804 days behind bars.

MON 08:30 BBC News Summary (w172ykqynw919wz)

The latest two minute news summary from BBC World Service.

MON 08:32 Business Daily (w3ct30xc)

Peat and the environment

Sam Fenwick explores why peat is such an important carbon store and whether it's use in compost should be banned. Sam

visits a peat bog in the UK and speaks to garden centres in Japan and India, where like many parts of the world gardening boomed during the pandemic. She also heads to Estonia, one of the biggest exporters of peat in the world.

Producer / Presenter: Sam Fenwick

Image: Little Woolden Moss peat bog; Credit: Sam Fenwick

MON 08:50 Witness History (w3ct3byx)

The Higgs Boson: A scientific discovery that explains how the universe works

It is 10 years since scientists in Geneva said they believed they had found the Higgs boson - known by some as the God particle. In July 2012 after more than 40 years of searching, two teams on different experiments at the Large Hadron Collider confirmed the existence of the particle which gives everything mass. Dr André David from CERN speaks to Laura Jones.

(Image: Artistic view of the Brout-Englert-Higgs Field. Credit: CERN)

MON 09:00 BBC News (w172ykq474pc2cq)

The latest five minute news bulletin from BBC World Service.

MON 09:06 The Climate Question (w3ct3kj3)

[Repeat of broadcast at 02:32 today]

MON 09:30 BBC News Summary (w172ykqynw91fn3)

The latest two minute news summary from BBC World Service.

MON 09:32 CrowdScience (w3ct3j71)

What is healthy hair?

Hair is an important part of our identities – straight, frizzy, long, not there at all – and our efforts to keep it styled and clean have created an \$80 billion hair care industry. Many products offer to improve the life of the stuff on our heads, but isn't it all just dead protein?

CrowdScience listener Toria wants to know what 'healthy' hair really means. To untangle the science behind hair, we zoom in to see how hair grows from the follicles in our scalp and explore how the hair growth process will change over our lifetimes.

Changes in our hair and disorders affecting the scalp can often have emotional impacts on our lives, as presenter Marnie Chesterton learns from a dermatologist who specialises in hair issues.

Having been on a journey with her own hair in recent years following chemotherapy, Marnie is ready for a new 'do and ventures to the hair salon to find out about the health of her own hair.

Meanwhile, another CrowdScience listener, Lucy, wonders why humans lost hair (or fur) on most of our bodies when most other mammals are covered in the stuff. A biological anthropologist who studies not only why hair became concentrated on our heads, but also why there's so much diversity in hair types across humans, unpacks the evolutionary benefits.

With all these different hair types, does different hair need different care? And when it comes to shampoo, conditioner, washing, blowdrying and dyeing, what should we be doing to keep our hair structure sound?

As we learn about this strange nonliving feature of our bodies, Marnie finds a new appreciation for the "dead strands of protein sticking out of our skin". And with listener Toria's help and advice, she also finds a new shade for her chemo-curled locks.

Presented by Marnie Chesterton and produced by Sam Baker for BBC World Service.

Featuring:

- Tina Lasisi, Penn State Department of Anthropology
- Sharon Wong, Consultant Dermatologist
- Ekwy Chukwuji-Nnena, Equi Botanics

MON 10:00 BBC News (w172ykq474pc63v)

The latest five minute news bulletin from BBC World Service.

MON 10:06 The Cultural Frontline (w3ct37rl)

[Repeat of broadcast at 23:32 on Saturday]

MON 10:30 BBC News Summary (w172ykqynw91kd7)

The latest two minute news summary from BBC World Service.

MON 10:32 Dear Daughter (w3ct42g4)
[Repeat of broadcast at 05:32 on Saturday]

MON 10:50 More or Less (w3ct3k4t)
[Repeat of broadcast at 05:50 on Saturday]

MON 11:00 BBC News (w172ykq474pc9vz)
The latest five minute news bulletin from BBC World Service.

MON 11:06 The Newsroom (w172y17rmk1bnhc)
The world's Newsroom brings you global events as they happen

MON 11:30 BBC News Summary (w172ykqynw91p4c)
The latest two minute news summary from BBC World Service.

MON 11:32 The Conversation (w3ct37m1)
[Repeat of broadcast at 04:32 today]

MON 12:00 BBC News (w172ykq474pcfm3)
The latest five minute news bulletin from BBC World Service.

MON 12:06 Outlook (w3ct34nf)
Facing the ghosts of a freak mountain storm

It was the last day of the year 2000 when a young Josep Maria Vilá, his fiancé and three friends set out for a leisurely hike up a Pyrenees mountain under clear blue skies. Suddenly, a freak storm threw their lives into chaos and they became separated in the blinding whiteout and hurricane winds.

The next few days would bring Josep to the brink of death as he battled an avalanche, extreme cold and being buried alive. It would become known as one of Spain's worst climbing accidents ever and despite escaping with his life it would take him the next 20 years to face down the ghosts of the mountain that haunted him.

Josep Maria Vilá was speaking to Outlook's Clayton Conn. The book about the tragedy is called Viento Salvaje: Balandrau. Crónica de una Tragedia en los Pirineos by Jordi Cruz, and the documentary is Balandrau, Frozen Hell directed by Guille Cascante.

Get in touch: outlook@bbc.com

Presenter: Jo Fidgen

Photo: Josep Maria Vilá (far right) with his companions on Balandrau, December 2000. Credit: Photo courtesy of Josep Maria Vilá

MON 12:50 Witness History (w3ct3byx)
[Repeat of broadcast at 08:50 today]

MON 13:00 BBC News (w172ykq474pckc7)
The latest five minute news bulletin from BBC World Service.

MON 13:06 The Newsroom (w172y17rmk1bwzm)
The world's Newsroom brings you global events as they happen

MON 13:30 BBC News Summary (w172ykqynw91xmm)
The latest two minute news summary from BBC World Service.

MON 13:32 CrowdScience (w3ct3j71)
[Repeat of broadcast at 09:32 today]

MON 14:00 BBC News (w172ykq474pcp3c)
The latest five minute news bulletin from BBC World Service.

MON 14:06 Newshour (w172yfc1bbgg71n)
After capturing Luhansk, where next for Russia?

As Russia claims control of the entire Luhansk region in eastern Ukraine, we speak to the deputy mayor of Sloviansk - the next city in Russia's sights.

How are Ukraine's forces coping with this undulating conflict?

Also in the programme: Will the Taliban allow Afghan girls the chance of an education? And we'll hear from the Australian city of Sydney, where thousands of people are told to leave their

homes as heavy flooding hits.

(Photo shows a man flying the Russian flag on his balcony in Lysychansk, Luhansk region, Ukraine, 04 July 2022. Credit: Russian Defence Ministry press service)

MON 15:00 BBC News (w172ykq474pcsvh)
The latest five minute news bulletin from BBC World Service.

MON 15:06 HARDtalk (w3ct32qq)
[Repeat of broadcast at 08:06 today]

MON 15:30 BBC News Summary (w172ykqynw9253w)
The latest two minute news summary from BBC World Service.

MON 15:32 World Business Report (w172yk4n96vbp8z)
Ukraine Recovery Conference

Leaders from dozens of countries and international organisations are meeting in Lugano, Switzerland to discuss the reconstruction of Ukraine.

In Turkey, prices are rising at their fastest rate in 24 years, according to the latest official figures.

The heads of state of the Economic Community of West African States (Ecowas) meeting in the Ghanaian capital, Accra, accepted a proposal by the Malian military to hold elections and return to civilian rule by March 2024.

(This is the first URC since Russian's invasion in February. Credit: Reuters)

MON 16:00 BBC News (w172ykq474pcxlm)
The latest five minute news bulletin from BBC World Service.

MON 16:06 BBC OS (w172yg1m3n0t9yp)
Ukraine war: Putin presses on after Lysychansk capture

Russian President Vladimir Putin has ordered his defence minister to continue the offensive in Ukraine after Russia captured the city of Lysychansk. Earlier the region's Ukrainian governor said the city was abandoned so Russians would not destroy it from a distance. We'll hear from a BBC correspondent in Ukraine.

Also in the programme, at least 18 people were killed in the Uzbekistan region of Karakalpakstan when protests erupted last week over plans to limit its autonomy. State prosecutors said more than 200 people were injured - many fewer than the thousands of people officials had said were being treated in hospital.

And we'll hear reaction from Ohio in the United States, following the release of police video of Jayland Walker being shot dead, shot more than 60 times by pursuing officers.

(Picture: Damage around the city of Lysychansk. Picture credit: Reuters.)

MON 17:00 BBC News (w172ykq474pd1br)
The latest five minute news bulletin from BBC World Service.

MON 17:06 BBC OS (w172yg1m3n0t9ft)
2022/07/04 16:06 GMT

BBC OS gives a vibrant account of the day's events with explanation and reaction from those involved.

MON 18:00 BBC News (w172ykq474pd52w)
The latest five minute news bulletin from BBC World Service.

MON 18:06 Outlook (w3ct34nf)
[Repeat of broadcast at 12:06 today]

MON 18:50 Witness History (w3ct3byx)
[Repeat of broadcast at 08:50 today]

MON 19:00 BBC News (w172ykq474pd8v0)
The latest five minute news bulletin from BBC World Service.

MON 19:06 The Newsroom (w172y17rmk1cmgd)
The world's Newsroom brings you global events as they happen

MON 19:30 BBC News Summary (w172ykqynw92n3d)

The latest two minute news summary from BBC World Service.

MON 19:32 Sport Today (w172ygfhnynssx)
2022/07/04 GMT

BBC sports correspondents tell the story behind today's top sporting news, with interviews and reports from across the world.

MON 20:00 BBC News (w172ykq474pddl4)
The latest five minute news bulletin from BBC World Service.

MON 20:06 The Climate Question (w3ct3k3j3)
[Repeat of broadcast at 02:32 today]

MON 20:30 BBC News Summary (w172ykqynw92rvj)
The latest two minute news summary from BBC World Service.

MON 20:32 Discovery (w3ct42rz)
The mysterious particles of physics, part 1

The machine that discovered the Higgs Boson 10 years ago is about to restart after a massive upgrade, to dig deeper into the heart of matter and the nature of the Universe.

Roland Pease returns to CERN's 27-kilometre Large Hadron Collider (LHC) dug deeper under the Swiss-French border to meet the scientists wondering why the Universe is the way it is. He hears why the Nobel-prize winning discovery of the "Higgs Particle" remains a cornerstone of the current understanding of the nature of matter; why the search for "dark matter" - 25% of the cosmos - is proving to be so hard; and CERN's plans for an atom smasher 4 times as big to be running by the middle of the century.

MON 21:00 BBC News (w172ykq474pdjb8)
The latest five minute news bulletin from BBC World Service.

MON 21:06 Newshour (w172yfc1bbhg28k)
Putin presses on after capture of Lysychansk

As Russia captures the Luhansk region and moves a step closer to controlling all of the Donbas, we look at the Ukrainian city of Kramatorsk, a likely future target of President Putin.

Also in the programme, we have the latest on the Independence Day parade shooting in Chicago. Plus, reaction from the brother of Shireen Abu Akleh, as the US State Department publishes its findings into the death of the Palestinian American journalist.

(Photo: plumes of smoke rising during heavy fighting between Ukrainian forces with Russian troops in Lysychansk, Ukraine. Credit: Getty Images.)

MON 22:00 BBC News (w172ykq474pdn2d)
The latest five minute news bulletin from BBC World Service.

MON 22:06 HARDtalk (w3ct32qq)
[Repeat of broadcast at 08:06 today]

MON 22:30 BBC News Summary (w172ykqynw930bs)
The latest two minute news summary from BBC World Service.

MON 22:32 The Conversation (w3ct37m1)
[Repeat of broadcast at 04:32 today]

MON 23:00 BBC News (w172ykq474pdrtj)
The latest five minute news bulletin from BBC World Service.

MON 23:06 The Newsroom (w172yrwws2d3rw3)
The world's Newsroom brings you global events as they happen

MON 23:20 Sports News (w172ygh4kdp1vvt)
BBC Sport brings you all the latest stories and results from around the world.

MON 23:30 BBC News Summary (w172ykqynw9342x)
The latest two minute news summary from BBC World Service.

MON 23:32 World Business Report (w172yk5ggy1yp9)
Rebuilding Ukraine: call for Russian oligarchs to foot the bill

Ukraine says it needs \$750 million to rebuild Ukraine and to

restore its economy after the war with Russia. We speak to Oliver Bullough, author of *Butler to the World: How Britain Helps the World's Worst People Launder Money, Commit Crimes, and Get Away with Anything*. Inflation in Turkey has risen at its fastest rate for 25 years. We get the views of Turkish economist Murat Sagman. Elsewhere Manchester City's owners buy a majority stake in Italian Serie B side Palermo. We look at the business and sporting model of the English Premier League side, whose owners now have a total or partial stake in 11 football clubs. (Image: President Volodymyr Zelensky appears on a giant screen prior to delivers a statement at the start of a two-day International conference on reconstruction of Ukraine, in Lugano on July 4, 2022. Credit: Getty Images)

TUESDAY 05 JULY 2022**TUE 00:00 BBC News (w172ykq474pdwkn)**

The latest five minute news bulletin from BBC World Service.

TUE 00:06 The History Hour (w3ct39lc)

[Repeat of broadcast at 20:06 on Sunday]

TUE 01:00 BBC News (w172ykq474pf09s)

The latest five minute news bulletin from BBC World Service.

TUE 01:06 Business Matters (w172ydpfq7bg0pp)

Zelensky: \$750 million to rebuild Ukraine after the war

Ukraine's President Zelensky says it could cost \$750 million to reconstruct the country after the war with Russia. He says it should be paid for with assets seized from oligarchs.

We explore the financial impact of the changes to US abortion laws. Twenty six of the country's 50 states are either certain or considered likely to introduce new abortion restrictions or bans.

Sam Fenwick is joined by Jyoti Malhotra, Senior Consulting Editor of *The Print* in New Delhi and Ralph Silva from Silva Research Network in Toronto to discuss these and the other big business stories of the day.

(Image: A police officer stands in front of the entrance of the Palazzo dei Congressi on the eve of a two-day international conference on reconstruction of Ukraine in Lugano on July 3, 2022. Credit: Getty Images)

TUE 02:00 BBC News (w172ykq474pf41x)

The latest five minute news bulletin from BBC World Service.

TUE 02:06 The Newsroom (w172yl7rmk1dgp9)

The world's Newsroom brings you global events as they happen

TUE 02:30 BBC News Summary (w172ykqynw93hb9)

The latest two minute news summary from BBC World Service.

TUE 02:32 The Documentary (w3ct43bp)

Floating justice

The city of Macapá is in the middle of a river archipelago with around 50 villages and 14,000 inhabitants, where the Amazon meets the Atlantic Ocean. Some of these communities are almost impossible to reach, with dense mangroves and fluctuating water levels making the journey dangerous. For a long time, conflicts were resolved by local leaders, from theft, to land disputes, to rape. The machete was often the quickest recourse to justice.

Judge Sueli Pini visited Macapá 20 years ago. Seeing the problem, she founded a system that's unique in the world, the "floating court." Four times a year, an old steam vessel called the João Bruno II becomes this "court." It's loaded with lawyers, social workers and a judge. These representatives of Brazil's justice system arrive by water, sleep in hammocks and wear flip-flops. The journey lasts a week. Villages in some of the remotest parts of the Amazon River system are visited and hundreds of complaints processed.

In these remote river habitations, where the law is all too easy to avoid, rules can easily be bent. Join journalist Fabian Federl and the legal team on their week-long journey. The setting is rudimentary and justice must be swift. It may be a month or more before the boat can return to enforce the decisions made, so the judge must seek solutions which can appease both claimant and defendant.

Presenter: Fabian Federl

Producer: Yannic Hannebohn

Editor: Helen Lennard

A Two Degrees West Ltd and Pola Berlin production for BBC World Service

(Photo: The João Bruno II steam vessel, which houses the Brazilian judiciary on the Amazon River. Credit: Fabian Federl)

TUE 03:00 BBC News (w172ykq474pf7t1)

The latest five minute news bulletin from BBC World Service.

TUE 03:06 Outlook (w3ct34nf)

[Repeat of broadcast at 12:06 on Monday]

TUE 03:50 Witness History (w3ct3byx)

[Repeat of broadcast at 08:50 on Monday]

TUE 04:00 BBC News (w172ykq474pfck5)

The latest five minute news bulletin from BBC World Service.

TUE 04:06 The Newsroom (w172yl7rmk1dq5k)

The world's Newsroom brings you global events as they happen

TUE 04:30 BBC News Summary (w172ykqynw93qtk)

The latest two minute news summary from BBC World Service.

TUE 04:32 In the Studio (w3ct3jj2)

Cerle: Dance under a waterfall

Cerle is one of the most respected live-streaming platforms in dance music, broadcasting performances in breathtaking locations to tens of millions of viewers across the globe. From hot air balloons to mountain tops, waterfalls, world-heritage sites, and under the Northern Lights in the arctic circle.

Part videographers and music curators, part adrenaline junkies, Cerle blend sound with mind-blowing images and aesthetic, creating audio-visual experiences in which viewers are immersed from start to finish.

Broadcaster and DJ Frank McWeeny follows founder Derek Barbola and his team of creatives for nine months, as they plan and broadcast a show under a waterfall in a remote part of Bosnia and Herzegovina. What makes it a perfect location? How is the artist selected? And with multiple cameras, drones, and a live audience of one thousand, how difficult is it to capture? From the importance of colour to the best time of day to film, we uncover the technical and logistical challenges of pulling off a production of this magnitude.

Presented and produced by Frank McWeeny

Exec produced by Rebecca Armstrong for the BBC World Service

Image: Jamie Jones at Pliva Waterfall. Credit: Marko Edge

TUE 05:00 BBC News (w172ykq474pfh99)

The latest five minute news bulletin from BBC World Service.

TUE 05:06 Newsday (w172yf8104ng3yq)

Highland Park shooting: arrest made

After a manhunt lasting several hours, a person of interest in the shooting of six people in Chicago at a 4th July parade has been arrested.

After the fall of the last Ukrainian-held city in the Luhansk region, the focus of the war now turns to neighbouring Donetsk, which is bracing itself for a renewed Russian offensive.

And the impact of the economic crisis in Sri Lanka, as families are forced to turn to charities to feed themselves.

TUE 06:00 BBC News (w172ykq474pfm1f)

The latest five minute news bulletin from BBC World Service.

TUE 06:06 Newsday (w172yf8104ng7pv)

US President 'shocked' by Chicago shootings

American police have detained a twenty-two-year-old suspect after at least six people were killed and three dozen injured in another mass shooting. It happened when a gunman opened fire on a 4th July parade from a rooftop near Chicago.

After the fall of the last Ukrainian-held city in the Luhansk region, international donors are meeting in Switzerland to discuss the rebuilding of Ukraine.

And the secret schools defying the Taliban in Afghanistan.

TUE 07:00 BBC News (w172ykq474pfqsk)

The latest five minute news bulletin from BBC World Service.

TUE 07:06 Newsday (w172yf8104ngcfz)

Chicago mass shooting: Man in custody

A 22-year-old man is now in American police custody after at least six people were killed and three dozen injured in a mass shooting. A gunman opened fire on a 4 July parade near Chicago, from a rooftop. The governor of Illinois said mass shootings had become a uniquely American plague.

With Ukrainian forces withdrawing from their last major city in the Luhansk region, we ask if Moscow can build on their momentum and take Donetsk? And we hear why sand batteries could solve green energy's big problem.

TUE 08:00 BBC News (w172ykq474pfvjp)

The latest five minute news bulletin from BBC World Service.

TUE 08:06 People Fixing The World (w3ct3j2k)

Keeping medicines cool

How enzymes and earthen pots could help keep medicines safe.

Access to life-saving medicines often relies on a complex system known as the cold-chain – the refrigerated lorries, store rooms and fridges, which keep them at the right temperature from the factory to the patient.

However, a traditional cold chain runs on electricity- meaning that it's often difficult to keep medicines and vaccines cold for long enough to reach the remote places and look after them when the electricity supply is intermittent.

The food we eat also relies on the cold chain to keep it cool from the farm until it reaches our plates.

We meet some of the inventors and entrepreneurs working on cooling solutions, from using enzymes from a special bacteria that make water freeze at a higher temperature, to the earthen pots keeping insulin cool in India.

Presenter: Myra Anubi

Producer/Reporter: Craig Langran

Reporters: Mayank Prakash Bhagwat, Daniel Ominde

Production Co-ordinator: Ibtisam Zein

Sound mix: Andy Mills

Executive producer: Tom Colls

Editor: Richard Vardon

Image: Alkesh and his insulin (Credit: Mangesh Sonawane, BBC)

TUE 08:30 BBC News Summary (w172ykqynw946i2)

The latest two minute news summary from BBC World Service.

TUE 08:32 Business Daily (w3ct316d)

Are they listening?

Are they really listening to us via our mobile phones and other smart devices? Eavesdropping to find out more about our most personal tastes and habits? Ed Butler investigates whether regular firms are trying to mine our data for commercial advantage.

We ask experts what is technically possible in this field and find out whether the data gathered would actually be worth the effort.

Presenter / Producer: Ed Butler

Image: Smart speaker; Credit Getty

TUE 08:50 Witness History (w3ct3c3f)

Japanese university student riots

In 1968 and early 1969 university students across Japan fought pitched battles with riot police after they barricaded themselves into their lecture halls and went on strike. They were protesting about the poor quality of their education and the inequalities of Japanese society in a period of rapid economic change. Emily Finch talks to Kazuki Kumamoto who was a young student who joined the protests. This is a Whistleblown production for BBC World Service.

(Photo of a policeman looking at Tokyo University Building. Credit: Getty Images)

TUE 09:00 BBC News (w172ykq474pfz8t)

The latest five minute news bulletin from BBC World Service.

TUE 09:06 The Documentary (w3ct43bp)

[Repeat of broadcast at 02:32 today]

TUE 09:30 BBC News Summary (w172ykqynw94bk6)
The latest two minute news summary from BBC World Service.

TUE 09:32 Discovery (w3ct42rz)
[Repeat of broadcast at 20:32 on Monday]

TUE 10:00 BBC News (w172ykq474pg30y)
The latest five minute news bulletin from BBC World Service.

TUE 10:06 The Arts Hour (w3ct3909)
[Repeat of broadcast at 20:06 on Saturday]

TUE 11:00 BBC News (w172ykq474pg6s2)
The latest five minute news bulletin from BBC World Service.

TUE 11:06 The Newsroom (w172y17rmk1fkdg)
The world's Newsroom brings you global events as they happen

TUE 11:30 BBC News Summary (w172ykqynw941lg)
The latest two minute news summary from BBC World Service.

TUE 11:32 In the Studio (w3ct3j3j)
Operation Night Watch

This week, an update on our guest, a Dutch icon - The Night Watch.

This masterpiece by Rembrandt is nearly 400 years old and sits centre stage at the Rijksmuseum in Amsterdam, where more than 2 million visitors come to see it every year. So when it became clear the painting needed a serious makeover, taking years to complete, the idea of removing it from display was rejected. Instead the museum's Director, Taco Dibbits, decided to make Operation Night Watch accessible to all, by building a specially-constructed glass chamber for restorers, scientists and conservators to work under the public's watchful eye; both in the museum and online.

Anik See follows Taco and his team during this key phase of Operation Night Watch, diving into state-of-the-art imaging techniques and discovering the masterpiece's secrets and storied past, to find out why this painting remains so important to us. After her initial report on the restoration process, Anik returns two years later to see what progress has been made.

Presented and produced by Anik See
Executive produced by Stephen Hughes for the BBC World Service

TUE 12:00 BBC News (w172ykq474pgj6)
The latest five minute news bulletin from BBC World Service.

TUE 12:06 Outlook (w3ct352z)
The 'metal bird' that sparked a dream

When Ousman was a small boy in a village in Ghana, he was fascinated by his first sight of an aeroplane. Village elders told him it was a metal bird made by white people. That sparked a dream – to travel to meet the people who could design and enjoy such things. His dream would take him first to the Ghanaian capital Accra and then on a perilous journey towards Europe that would change him forever.

Ousman Umar's book about his journey is called North to Paradise. His NGO is called NASCO Feeding Minds.

Get in touch: outlook@bbc.com

Presenter: Jo Fidgen
Producer: Katy Takatsuki

(Photo: Ousman Umar. Credit: Santi G. Barros)

TUE 12:50 Witness History (w3ct3c3f)
[Repeat of broadcast at 08:50 today]

TUE 13:00 BBC News (w172ykq474pgg8b)
The latest five minute news bulletin from BBC World Service.

TUE 13:06 The Newsroom (w172y17rmk1fswq)
The world's Newsroom brings you global events as they happen

TUE 13:30 BBC News Summary (w172ykqynw94tjq)
The latest two minute news summary from BBC World Service.

TUE 13:32 Discovery (w3ct42rz)
[Repeat of broadcast at 20:32 on Monday]

TUE 14:00 BBC News (w172ykq474pgl0g)
The latest five minute news bulletin from BBC World Service.

TUE 14:06 Newshour (w172yfc1bbgk3yr)
On the Ukrainian frontline in the Donbas

As Russian forces continue their advance in eastern Ukraine, we look at the mood among Ukrainian troops and speak to a local volunteer who has helped to evacuate thousands of civilians.

Also in the programme: as France repatriates women and children who were involved with Islamic State group, what are the prospects for their rehabilitation? And Finland launches the world's first fully-working sand battery, which can store green power for months at a time.

(Photo: damage after Russian shelling in the city of Lysychansk, in the Luhansk region of Ukraine. Credit: Reuters)

TUE 15:00 BBC News (w172ykq474pgpri)
The latest five minute news bulletin from BBC World Service.

TUE 15:06 People Fixing The World (w3ct3j2k)
[Repeat of broadcast at 08:06 today]

TUE 15:30 BBC News Summary (w172ykqynw9520z)
The latest two minute news summary from BBC World Service.

TUE 15:32 World Business Report (w172yk7y2485x7)
Italy declares state of emergency in five northern regions

Italy has declared a state of emergency in five northern regions surrounding the Po River, amid the worst drought in 70 years. The lack of rain threatens more than 30% of the country's agricultural produce.

In Norway, offshore oil and gas workers have begun a strike, demanding better pay - as living costs rise.

And we find out how a Nigerian streaming company leveraged on a boom in the popularity of Afrobeats.

(Image: Anna Maria Mantovani says she can't harvest her corn crop because of the drought in Italy. Credit: Anna Maria Mantovani)

TUE 16:00 BBC News (w172ykq474pgthq)
The latest five minute news bulletin from BBC World Service.

TUE 16:06 BBC OS (w172yg1m3n0x6vs)
America's mass shootings: A 'weekly tradition'?

America's ongoing crisis with gun violence is once again in the spotlight following the shooting at a July 4 parade in Highland Park, Illinois. Governor Jay Robert Pritzker has warned that mass shootings have now become a "weekly American tradition". We hear from two young Americans dealing with the reality of mass shootings in their country, and hear how their lives are being impacted by the violence.

Sri Lanka is facing its worst economic crisis in more than 70 years. The energy minister has issued a stark warning over the country's fuel stocks, and families are going hungry, many are joining foodbanks for the first time to feed their children. We hear a conversation from two people directly impacted by the fuel and food crisis.

The north of Italy is experiencing its worst drought in 70 years. A state of emergency has been declared in five northern regions surrounding the Po River. Our BBC correspondent based in Italy explains how badly the droughts are affecting the country and particularly its farmers.

Turkey's inflation rate has increased to almost 80% – the highest in 24 years – as President Recep Tayyip Erdoğan's unconventional economic policies continued to drive up the cost of living. The cost of food has doubled. Our correspondent gives us the latest on the situation in the country.

(Photo: A blanket bearing the US flag abandoned along the parade route following the Fourth of July shooting. Credit: Reuters)

TUE 17:00 BBC News (w172ykq474pgy7v)
The latest five minute news bulletin from BBC World Service.

TUE 17:06 BBC OS (w172yg1m3n0xblx)
Ukraine: Reports from Bucha

We get an update from Ukraine and one of the places that has been severely impacted from the Russian invasion, Bucha, a commuter town on the outskirts of Kyiv. In May, the BBC learned of hundreds of people shot there in what a senior police official described as executions in the Bucha region outside Ukraine's capital Kyiv. Our correspondent gives us a view of just some of the many people he's spoken to in the area and the astonishing story of the sole survivor of a Russian shooting there.

Sri Lanka is facing its worst economic crisis in more than 70 years. In the last few hours the energy minister has issued a stark warning over the country's fuel stocks, and families are going hungry, many are joining foodbanks for the first time to feed their children. Two people from the country tell us how the crisis is impacting them.

America's ongoing crisis with gun violence is once again in the spotlight following the shooting at a July 4 parade in Highland Park, Illinois. Governor Jay Robert Pritzker has warned that mass shootings have now become a "weekly American tradition". We hear from two young Americans dealing with the reality of mass shootings in their country, and hear how their lives are being impacted by the violence.

We get updates from our BBC Africa reporter on Ethiopia where a fresh round of attacks against ethnic minorities in the west of the country has left 'many' villagers dead. Prime Minister Abiy Ahmed has called it a "massacre".

(Photo: Mass graves being dug in the Bucha region of Ukraine. Credit: BBC)

TUE 18:00 BBC News (w172ykq474ph1zz)
The latest five minute news bulletin from BBC World Service.

TUE 18:06 Outlook (w3ct352z)
[Repeat of broadcast at 12:06 today]

TUE 18:50 Witness History (w3ct3c3f)
[Repeat of broadcast at 08:50 today]

TUE 19:00 BBC News (w172ykq474ph5r3)
The latest five minute news bulletin from BBC World Service.

TUE 19:06 The Newsroom (w172y17rmk1gjh)
The world's Newsroom brings you global events as they happen

TUE 19:30 BBC News Summary (w172ykqynw95k0h)
The latest two minute news summary from BBC World Service.

TUE 19:32 Sport Today (w172ygfhygrpq0)
2022/07/05 GMT

BBC sports correspondents tell the story behind today's top sporting news, with interviews and reports from across the world.

TUE 20:00 BBC News (w172ykq474ph9h7)
The latest five minute news bulletin from BBC World Service.

TUE 20:06 The Documentary (w3ct43bp)
[Repeat of broadcast at 02:32 today]

TUE 20:30 BBC News Summary (w172ykqynw95urm)
The latest two minute news summary from BBC World Service.

TUE 20:32 Digital Planet (w3ct31yk)
Deepfake calls to European mayors?

On June 24th, the mayor of Berlin thought she was on a video call with the mayor of Kyiv, Vitali Klitschko. The call, however, was fake. The head of the Deutsche Welle's fact-checking team Joscha Weber tells Gareth what happened, how the mayors of Vienna and Madrid were deceived by similar fake calls, and how a Russian comedy duo claims to be behind it all. The video call was initially thought to be a deepfake, but a later analysis by German media suggests that it may have been a shallowfake instead. What do these two terms mean, and what is the difference between them? We have deepfake experts Hany Farid and Hao Li in the studio to answer this question, explain how deepfakes are created, and discuss the wider issues that they pose.

India's great VPN exit

In late April, the Indian government decided to enact new cybersecurity rules that include forcing virtual private network (VPN) providers to keep users' data such as names, contact numbers, and IP addresses for a period of five years. VPN companies in India have sharply criticised the ruling, and some have already exited and pulled their servers out of the country. India has now given VPN providers another three months to comply with the new rules. Expert contributor Bill Thompson tells Gareth what VPNs are, why these new rules conflict with their premise, and what this could mean for privacy and the tech sector in India.

Can AI solve prostate cancer?

In a recent machine learning competition, developers used a new prostate biopsy dataset to train artificial intelligence algorithms to diagnose and grade tumours. Gareth speaks to Ph.D. student Nita Mulliqi about the difficulties of using AI in prostate cancer grading and how a dataset from diverse clinical settings is needed to create effective algorithms. We also hear from a consultant for the WHO, Rohit Malpani, about the limitations of applying machine learning applications in healthcare in low- and middle-income countries.

Studio manager: Michael Millham
Producer: Florian Bohr

(Image: Vitali Klitschko. Credit: Getty Images)

TUE 21:00 BBC News (w172ykq474phf7c)

The latest five minute news bulletin from BBC World Service.

TUE 21:06 Newshour (w172yfc1bbgkz5n)

Two ministers resign from Boris Johnson's cabinet

The British prime minister's job is hanging by a thread, after finance minister Rishi Sunak and health secretary Sajid Javid quit amid allegations the prime minister has repeatedly misled his colleagues in recent months over a number of issues.

Also in the programme, the Russian advances continue in Ukraine. We have a report from front line in the east.

(Photo: British Prime Minister Boris Johnson at the weekly Cabinet meeting at Downing Street on July 5, 2022. Credit: Getty Images.)

TUE 22:00 BBC News (w172ykq474phjzh)

The latest five minute news bulletin from BBC World Service.

TUE 22:06 People Fixing The World (w3ct3j2k)

[Repeat of broadcast at 08:06 today]

TUE 22:30 BBC News Summary (w172ykqynw95x7w)

The latest two minute news summary from BBC World Service.

TUE 22:32 In the Studio (w3ct3jj3)

[Repeat of broadcast at 11:32 today]

TUE 23:00 BBC News (w172ykq474phnqm)

The latest five minute news bulletin from BBC World Service.

TUE 23:06 The Newsroom (w172yrwws2d6ns6)

The world's Newsroom brings you global events as they happen

TUE 23:20 Sports News (w172ygh4kdp4rrx)

BBC Sport brings you all the latest stories and results from around the world.

TUE 23:30 BBC News Summary (w172ykqynw96100)

The latest two minute news summary from BBC World Service.

TUE 23:32 World Business Report (w172yk8rhvwx29k)

UK Chancellor Rishi Sunak resigns

The UK Chancellor Rishi Sunak has resigned, saying he can no longer serve under Prime Minister Boris Johnson. News of his resignation followed that of Health Secretary Sajid Javid. Johnson has been accused of making a series of misleading statements. We get reaction from a business owner and former Conservative supporter. Reports suggest Germany is to abandon its target for reaching net zero greenhouse gas emissions by 2035 as Russian gas supplies are reduced. We ask an energy industry expert what the wider implications are. The Central African Republic plans to introduce a new digital currency. But how feasible is it? (Image: Chancellor Rishi Sunak leaves number 11, Downing Street on May 26, 2022 in London, England. Credit: Getty Images)

WEDNESDAY 06 JULY 2022

WED 00:00 BBC News (w172ykq474phsgr)

The latest five minute news bulletin from BBC World Service.

WED 00:06 The Arts Hour (w3ct3909)

[Repeat of broadcast at 20:06 on Saturday]

WED 01:00 BBC News (w172ykq474phx6w)

The latest five minute news bulletin from BBC World Service.

WED 01:06 Business Matters (w172ydpfq7bjxls)

Shake-up in Downing Street after UK Chancellor quits

UK Chancellor Rishi Sunak has quit, saying he can no longer serve Prime Minister Boris Johnson. His resignation followed that of Health Secretary Sajid Javid. Taking over from Sunak is the former Education Secretary Nadim Zahawi. We pick through the day's events with Financial Times Whitehall Editor Sebastian Payne.

With concerns over gas supply from Russia increasing in Germany, we get analysis from Dr Katja Yafimava from the Oxford Institute for Energy Studies.

Sam Fenwick is joined by Alison Van Diggelen, host of the Fresh Dialogues podcast in Silicon Valley in San Francisco, and Bloomberg reporter James Mayger in Beijing.

(Image: Britain's Chancellor of the Exchequer Rishi Sunak reacts as he leaves the 11 Downing Street, in London, on March 23, 2022. Credit: Getty Images)

WED 02:00 BBC News (w172ykq474pj0z0)

The latest five minute news bulletin from BBC World Service.

WED 02:06 The Newsroom (w172y17rmk1hclhd)

The world's Newsroom brings you global events as they happen

WED 02:30 BBC News Summary (w172ykqynw96d7d)

The latest two minute news summary from BBC World Service.

WED 02:32 The Compass (w3ct42kz)

Walking The Iron Curtain

Walking the Iron Curtain: Frozen frontiers

A few hundred Latvians, dozens of elk and tens of thousands of migrating birds share a narrow parade of sand dunes with the Russian military. Passed between nations and empires for hundreds of years, the Curonian Spit National Park will be on the frontline if Vladimir Putin decides to seize more of the territory he regards as a natural extension of Russia.

In the final part of her journey along the Iron Curtain, Mary-Ann Ochota meets the naturalists working metres from the Russian border and the locals forbidden in Soviet times from visiting their local beaches and swimming from their own shores.

From the Baltic coast she travels to northern Finland where border territory is being rewilded. Vast tracts of land are seized back from the forestry and peat industries and returned to the forest reindeer and wolverines that once thrived here. The Finnish naturalists once worked hand-in-hand with their Russian colleagues but today the age-old fear of their powerful neighbour has returned. The dream of the European Greenbelt, linking people and nature across dissolving borders, here meets the stark reality of aggressive nationalism.

(Photo: The sand dunes of the Curonian Spit are cut in half by Lithuania's border with Russia)

WED 03:00 BBC News (w172ykq474pj4q4)

The latest five minute news bulletin from BBC World Service.

WED 03:06 Outlook (w3ct35z2)

[Repeat of broadcast at 12:06 on Tuesday]

WED 03:50 Witness History (w3ct3c3f)

[Repeat of broadcast at 08:50 on Tuesday]

WED 04:00 BBC News (w172ykq474pj8g8)

The latest five minute news bulletin from BBC World Service.

WED 04:06 The Newsroom (w172y17rmk1hm2n)

The world's Newsroom brings you global events as they happen

WED 04:30 BBC News Summary (w172ykqynw96mqn)

The latest two minute news summary from BBC World Service.

WED 04:32 On the Podium (w3ct4212)

Dr Jana Pittman: Sprinting, sliding and saving lives

Jana Pittman was a world champion hurdler, but injury halted her Olympic dreams. She came back to compete on the ice, and became Australia's first Summer and Winter Olympian when she joined the country's bobsleigh team. She's also a medical doctor, a mother-of-six and an advocate for women's health.

Image: A bright coloured background of yellows and orange and red with the backend of a bobsleigh being pushed by a figure in the all green of Australia (Illustration by Phil Smith)

WED 05:00 BBC News (w172ykq474pjd6d)

The latest five minute news bulletin from BBC World Service.

WED 05:06 Newsday (w172yf8104nk0vt)

Two cabinet ministers resign in the UK

With two senior cabinet ministers resigning last night, pressure is on UK Prime Minister Boris Johnson to consider his position.

And we hear from the front-line in eastern Ukraine, from an international military volunteer.

Also, in Australia, torrential rain continues to bring floods to Sydney. 50, 000 people have been told to leave their homes.

WED 06:00 BBC News (w172ykq474pjhyj)

The latest five minute news bulletin from BBC World Service.

WED 06:06 Newsday (w172yf8104nk4ly)

UK Prime Minister fights to save job

Despite winning a confidence vote just one month ago, Prime Minister Boris Johnson's fight for his current position isn't over. We bring you the latest in British politics in the aftermath of high profile resignations.

As war in Ukraine continues, we have a special report on Russian war crimes. Our correspondent tracks down a man who survived a mass killing outside Kyiv.

After months of strict Covid 19 measures, restrictions on international travel to Australia have now been lifted.

WED 07:00 BBC News (w172ykq474pjmpn)

The latest five minute news bulletin from BBC World Service.

WED 07:06 Newsday (w172yf8104nk8c2)

Two senior government officials resign in UK

Increasing uncertainty remains over Prime Minister Boris Johnson's position, after two senior government resignations. We hear what one opposition MP has to say.

Meanwhile, is democracy's population waning in the Arab world? We hear about new research which says people in the Middle East and North Africa are losing faith that it's the answer to their problems.

Also in the programme, more violence is occurring in Nigeria, this time it is an attack on the security convoy of the President Muhammadu Buhari, and an attempted jailbreak in Abuja.

WED 08:00 BBC News (w172ykq474pjrfjs)

The latest five minute news bulletin from BBC World Service.

WED 08:06 HARDtalk (w3ct32r2)

Steve Thompson: Rugby's traumatic legacy

Steve Thompson is a World Cup-winning England rugby player whose brain has been irreparably damaged by years of collisions. His wife Steph helps him deal with a life blighted by early-onset dementia. What happens when the game just isn't worth it?

WED 08:30 BBC News Summary (w172ykqynw973q5)

The latest two minute news summary from BBC World Service.

WED 08:32 Business Daily (w3ct31bx)

Women, sport and business: Haley Rosen

To coincide with the start of the Women's Euros and the Africa Women Cup of Nations, Business Daily launches a new series on women, sport and business.

Haley Rosen is a former pro soccer player who now runs the digital sports media company Just Women's Sports. When she stopped playing, Haley realised she couldn't access even basic information about women's sports, including fixtures, scores and all the other statistics available to those following male sports. Haley tells Sam Fenwick how she set up her digital media platform and secured more than \$3.5 million in investment. They also discuss what needs to change to make sure female sporting stars are treated on a par with their male counterparts.

Presenter: Sam Fenwick
Producer: Helen Thomas

Image: Haley Rosen; Credit: Getty

WED 08:50 Witness History (w3ct3c5p)
Escaping Nigeria's Civil War

The south-east region of Nigeria declared itself to be the independent state of Biafra. In response, Nigerian forces invaded the state on 6 July 1967, beginning the Nigerian civil war. More than a million people died before the fighting stopped. We bring you one child's story of getting caught up in the frontline. In 2021 Paul Waters spoke to Patricia Ngozi Ebigwe, now better known as TV and music star Patti Boulaye, who was 13 years old when she had to try to escape the conflict.

(Photo: The 13-year-old Patricia Ngozi Ebigwe, courtesy of Patti Boulaye)

WED 09:00 BBC News (w172ykq474pjw5x)
The latest five minute news bulletin from BBC World Service.

WED 09:06 The Compass (w3ct42kz)
[Repeat of broadcast at 02:32 today]

WED 09:30 BBC News Summary (w172ykqynw977g9)
The latest two minute news summary from BBC World Service.

WED 09:32 Digital Planet (w3ct31yk)
[Repeat of broadcast at 20:32 on Tuesday]

WED 10:00 BBC News (w172ykq474pjzy1)
The latest five minute news bulletin from BBC World Service.

WED 10:06 World Book Club (w3ct3c7l)
[Repeat of broadcast at 12:06 on Saturday]

WED 11:00 BBC News (w172ykq474pk3p5)
The latest five minute news bulletin from BBC World Service.

WED 11:06 The Newsroom (w172yl7rmk1jg9k)
The world's Newsroom brings you global events as they happen

WED 11:30 BBC News Summary (w172ykqynw97gyk)
The latest two minute news summary from BBC World Service.

WED 11:32 On the Podium (w3ct4212)
[Repeat of broadcast at 04:32 today]

WED 12:00 BBC News (w172ykq474pk7f9)
The latest five minute news bulletin from BBC World Service.

WED 12:06 Outlook (w3ct3y8k)
Adventures in sound: The soundscape ecologist

Four stories about people who've gone to extraordinary lengths to collect sounds – from wildlife to music to oral histories.

In the 1960s, Bernie Krause was one of the pioneer performers of the synthesiser. He's played for The Doors, The Beach Boys, Mick Jagger and even on the Apocalypse Now soundtrack. But Bernie stepped away from that career and overcame a lifelong fear of animals to start recording the sounds of nature. As a 'soundscape ecologist,' he's captured the natural sounds of more than 2,000 habitats around the world – from the Sumatran rainforest to the Sierra Nevada mountains. Bernie's work The Great Animal Orchestra is currently exhibiting in venues around the world. (A longer version of this interview was first

broadcast in 2016)

The legendary Colombian singer Totó La Momposina has dedicated a lifetime to collecting and performing the traditional songs of Colombia's Caribbean coastline – travelling by foot, donkey, canoe and car. (A longer version of this interview was first broadcast in 2015)

Brazilian journalist Daniel Bacchieri has also spent years recording and sharing music that might otherwise be lost. But he looks for it in a very specific place – in the street. His website StreetMusicMap documents buskers and street musicians from all over the world. (A longer version of this interview was first broadcast in 2017)

Mateo Sobode Chiqueno is from Paraguay's indigenous Ayoreo tribe. Hunter-gatherers who have roamed the forests of Paraguay for many centuries, the Ayoreo were targeted by missionaries who forced them to move into settlements. Life in the missionary settlements was hard, but Mateo never gave up on his Ayoreo connections. With a tape recorder, he began recording Ayoreo songs, language, stories and rituals. These cassettes are now a vital link to a threatened culture. (A longer version of this interview is available in the episode Mateo the memory man)

Get in touch: outlook@bbc.com

(Photo: Bernie Krause recording in the field. Credit: Reiber and Partners)

WED 12:50 Witness History (w3ct3c5p)
[Repeat of broadcast at 08:50 today]

WED 13:00 BBC News (w172ykq474pkc5f)
The latest five minute news bulletin from BBC World Service.

WED 13:06 The Newsroom (w172yl7rmk1jbst)
The world's Newsroom brings you global events as they happen

WED 13:30 BBC News Summary (w172ykqynw97qft)
The latest two minute news summary from BBC World Service.

WED 13:32 Digital Planet (w3ct31yk)
[Repeat of broadcast at 20:32 on Tuesday]

WED 14:00 BBC News (w172ykq474pkgxk)
The latest five minute news bulletin from BBC World Service.

WED 14:06 Newshour (w172yfc1bbgn0vv)
Is this the end for Boris Johnson as UK prime minister?

The British PM is facing further ministerial resignations, after the loss of his finance and health ministers on Tuesday evening, and growing calls to step down himself. As his support within the Conservative Party melts away, can he remain in office? We review today's political events, and hear from one of his critics, Conservative MP Andrew Bridgen.

Also in the programme: controversy over the release of contaminated water from the defunct Fukushima nuclear plant in Japan. And shocking testimony from a survivor of the Russian massacre of civilians in Bucha, Ukraine.

(Photo: The British prime minister, Boris Johnson, Credit: Getty Images)

WED 15:00 BBC News (w172ykq474pklnp)
The latest five minute news bulletin from BBC World Service.

WED 15:06 HARDtalk (w3ct32r2)
[Repeat of broadcast at 08:06 today]

WED 15:30 BBC News Summary (w172ykqynw97yy2)
The latest two minute news summary from BBC World Service.

WED 15:32 World Business Report (w172yk9kylgn9nx)
US considers cutting China tariffs to fight inflation

President Joe Biden may announce a rollback of some US tariffs on Chinese consumer goods, which marks his first major policy step on trade ties between the world's two biggest economic powers.

The tariffs which cover about \$370bn worth of Chinese imports was introduced by President Trump and seen as a signature element of his America first policy.

A planned oil pipeline which is expected to run from the Tanzanian coast to Uganda could be illegal because it breached environmental and human rights guidelines for financing big infrastructure projects according to a report.

(PHOTO CREDIT: Photo by Chris Kleponis/POOL/EPA-EFE/REX/Shutterstock)

WED 16:00 BBC News (w172ykq474pkqdt)
The latest five minute news bulletin from BBC World Service.

WED 16:06 BBC OS (w172yg1m3n103rw)
Boris Johnson under pressure

We're keeping across British Prime Minister Boris Johnson's battle to stay in office, after a growing wave of resignations from his government in protest at his leadership. Our teams in Westminster will bring us the latest.

Ukraine has begun a war crimes trial for sexual offences, the first of what could be dozens of such cases. Our correspondent will tell us more.

And the UEFA Women's Euro 2022 kicks off in England today. We hear from female footballers in conversation about where we are at with the sport and whether it will ever be on par with the men's game.

(Photo: British Prime Minister Boris Johnson walks at Downing Street in London, Britain July 6, 2022. Credit: Reuters/Henry Nicholls)

WED 17:00 BBC News (w172ykq474pkv4y)
The latest five minute news bulletin from BBC World Service.

WED 17:06 BBC OS (w172yg1m3n107j0)
Boris Johnson: More ministers resign

We're keeping across British Prime Minister Boris Johnson's battle to stay in office, after a growing wave of resignations from his government in protest at his leadership. Our team in Westminster will bring us the latest.

The mass funeral for 21 teenagers who mysteriously died at a tavern in the town of East London in South Africa will take place today. The wellbeing of young people in South Africa has been extensively discussed since their deaths. We hear how residents of East London are feeling.

Our colleague from BBC Russia will tell us more about reports that another top Russian executive linked to energy giant Gazprom has been found dead at his mansion.

And the UEFA Women's Euro 2022 kicks off in England today. We hear from young female footballers in conversation about where we are with the sport and whether it will ever be on par with the men's game.

(Photo: British Prime Minister Boris Johnson walks at Downing Street, in London, Britain. Credit: Reuters/John Sibley)

WED 18:00 BBC News (w172ykq474pkyx2)
The latest five minute news bulletin from BBC World Service.

WED 18:06 BBC OS (w172yg1m3n10c84)
Boris Johnson: Calls to step down

We're keeping across British Prime Minister Boris Johnson's battle to stay in office, after a growing wave of resignations from his government in protest at his leadership. Our teams in Westminster will bring us the latest.

We hear from journalists across the country and from Tory party members to get their views.

And we connect with journalists from European papers to see what they are making of what is unfolding in British politics.

(Photo: British Lord President of the Council and Leader of the House of Commons Mark Spencer, Deputy Prime Minister Dominic Raab, Prime Minister Boris Johnson, new Finance Minister Nadhim Zahawi and Culture Secretary Nadine Dorries attend Prime Minister's Questions at the House of Commons in London. Credit: UK Parliament/Jessica Taylor/Handout via Reuters)

WED 19:00 BBC News (w172ykq474pl2n6)
The latest five minute news bulletin from BBC World Service.

WED 19:06 The Newsroom (w172yl7rmk1kf8l)

The world's Newsroom brings you global events as they happen

WED 19:30 BBC News Summary (w172yqynw98fxl)
The latest two minute news summary from BBC World Service.

WED 19:32 Sport Today (w172ygfhnvgvml3)
2022/07/06 GMT

BBC sports correspondents tell the story behind today's top sporting news, with interviews and reports from across the world.

WED 20:00 BBC News (w172yqk474pl6db)
The latest five minute news bulletin from BBC World Service.

WED 20:06 Newshour (w172yfc1bbgnrbm)
Boris Johnson's leadership hanging by a thread

Boris Johnson is defying calls to resign, as he attempts to face down a growing mutiny among his cabinet. We have the latest from Downing Street.

Also in the programme, Ukraine's prosecutor-general says she's investigating more than 21,000 war crimes and crimes of aggression, allegedly carried out since Russia's invasion in February. Plus, the social media site Twitter is taking the Indian government to court after it was ordered to remove content from its platform.

(Photo: Boris Johnson scratches his head in the House of Commons, 6th July, 2022. Credit: Jessica Taylor, UK Parliament.)

WED 21:00 BBC News (w172yqk474plb4g)
The latest five minute news bulletin from BBC World Service.

WED 21:06 Newshour (w172yfc1bbgnw2r)
Interviews, news and analysis of the day's global events.

WED 22:00 BBC News (w172yqk474plfwl)
The latest five minute news bulletin from BBC World Service.

WED 22:06 HARDtalk (w3ct32r2)
[Repeat of broadcast at 08:06 today]

WED 22:30 BBC News Summary (w172yqynw98t4z)
The latest two minute news summary from BBC World Service.

WED 22:32 On the Podium (w3ct4212)
[Repeat of broadcast at 04:32 today]

WED 23:00 BBC News (w172yqk474plkmq)
The latest five minute news bulletin from BBC World Service.

WED 23:06 The Newsroom (w172yrwws2d9kp9)
The world's Newsroom brings you global events as they happen

WED 23:20 Sports News (w172ygh4kdp7np0)
BBC Sport brings you all the latest stories and results from around the world.

WED 23:30 BBC News Summary (w172yqynw98xx3)
The latest two minute news summary from BBC World Service.

WED 23:32 World Business Report (w172ykbdbb2cl27)
Political turmoil threatens UK recovery

Trouble at the core of Britain's leadership has sparked concern over the country's economy. The pound has slumped, and economists fear the situation could hinder long-term growth prospects. There's turbulence worldwide too, with market volatility exacerbated by recession warnings and fluctuating oil prices. Energy continues to dominate the headlines. The French government looks to fully nationalise the country's energy giant, EDF, and the European Union looks to gas and nuclear in order to secure supplies. (Picture: Bookmakers in London place odds on Prime Minister Boris Johnson's survival. Credit: Carl Court/Getty Images).

THURSDAY 07 JULY 2022

THU 00:00 BBC News (w172yqk474plpcv)

The latest five minute news bulletin from BBC World Service.

THU 00:06 World Book Club (w3ct3c7l)
[Repeat of broadcast at 12:06 on Saturday]

THU 01:00 BBC News (w172yqk474plf3z)
The latest five minute news bulletin from BBC World Service.

THU 01:06 Business Matters (w172ydpfq7bmtw)
Oil prices slump as recession odds mount

Conflict and instability are driving demand for crude oil down, but how long will it be before other prices fall? We're talking energy on Business Matters, with the help of Washington-based oil industry analyst Dr Sara Vakhshouri, and Thierry Boss, a French energy expert. Political reporter Erin Dallmore also joins us from New York.

After another stormy day in British politics, a former UK Treasury official, Jeevun Sandher, tells us why the furor surrounding Prime Minister Boris Johnson may be bad news for investment and growth.

It was a victory for England on the football pitch as the Women's Euros got underway in Manchester. Former professional player and now entrepreneur, Haley Rosen, tells us how building a media business netted her millions.

(Picture: Oil barrels piled high. Credit: Getty Images).

It might just be the film of the year. LA entertainment reporter KJ Matthews tells us why Marvel's latest blockbuster is likely to hammer the competition on its opening weekend.

THU 02:00 BBC News (w172yqk474plw3)
The latest five minute news bulletin from BBC World Service.

THU 02:06 The Newsroom (w172y17rmk118hh)
The world's Newsroom brings you global events as they happen

THU 02:30 BBC News Summary (w172yqynw9994h)
The latest two minute news summary from BBC World Service.

THU 02:32 Assignment (w3ct303s)
Ukraine war stories

How would you cope if you were at the centre of a war? In March 2022, the BBC told the stories of four young women whose lives were changed forever by war in Ukraine. They were not soldiers, activists or politicians. They were civilians, not used to war or how to deal with it. They kept audio diaries that told a raw truth about loss, hope and even love. Some packed up and left with their children while others remained in the eye of the storm.

Among them, a language teacher in Kyiv called Alexandra who did not know if her parents were still alive in the besieged city of Mariupol. Mari, a model and dancer, who was caught up in shelling in Chernihiv. And Yulia, who gave birth as bombs rained down on Kharkiv.

But what's happened to them since? Assignment tries to trace them, to discover how their lives have changed in four months of war.

(Photo Credit: Mari Margun)

THU 03:00 BBC News (w172yqk474pm1m7)
The latest five minute news bulletin from BBC World Service.

THU 03:06 Outlook (w3ct3y8k)
[Repeat of broadcast at 12:06 on Wednesday]

THU 03:50 Witness History (w3ct3c5p)
[Repeat of broadcast at 08:50 on Wednesday]

THU 04:00 BBC News (w172yqk474pm5cc)
The latest five minute news bulletin from BBC World Service.

THU 04:06 The Newsroom (w172y17rmk11hzz)
The world's Newsroom brings you global events as they happen

THU 04:30 BBC News Summary (w172yqynw99jmr)
The latest two minute news summary from BBC World Service.

THU 04:32 The Food Chain (w3ct38n1)
The fungi kingdom

It's not just fauna and flora, there's a third, much overlooked kingdom of life – fungi.

Fungi are essential for plant and soil health, and therefore our own survival.

It's not just the mushrooms that we eat, in this programme we celebrate fungi in all its forms. Fungi already play important roles in our food production and medicine, scientists are now investigating fungi based solutions for environmental pollution and waste disposal.

We're joined by biologist Merlin Sheldrake in the United Kingdom, author of 'Entangled Life', Giuliana Furci, mycologist and founder of the Fungi Foundation, the world's first non-governmental organisation for the protection of fungi, based in Chile and Danielle Stevenson, a mycologist looking at soil toxicity in the United States.

(Picture: fungi growing on a log. Credit: BBC)

Presented by Ruth Alexander.

Produced by Beatrice Pickup.

THU 05:00 BBC News (w172yqk474pm93h)
The latest five minute news bulletin from BBC World Service.

THU 05:06 Newsday (w172yf8104nmrx)
Boris Johnson vows to fight on despite resignations and calls to go

The future of the UK prime minister Boris Johnson is hanging in the balance after the resignation of nearly fifty members of his government - Newsday is coming live from outside the Houses of Parliament.

We go to Ukraine - where Mr Johnson is hugely admired for his help against the Russian invaders - where a volunteer doctor is training health personnel in war surgery.

And we'll hear about the high security handover of the secret formula that has made one global company worth billions of dollars.

THU 06:00 BBC News (w172yqk474pmdvm)
The latest five minute news bulletin from BBC World Service.

THU 06:06 Newsday (w172yf8104nn1j1)
UK PM Boris Johnson fights to stay on despite support collapsing

Newsday is live from beside the Houses of Parliament in London where Boris Johnson is digging in his heels - refusing to step down despite nearly fifty MPs resigning from their government roles over the Prime Minister's leadership - hearing views from within the governing Tory Party and the Opposition:

Mr Johnson says he has the mandate of 14 million Britons who voted for him but how are those in Europe viewing this crisis?

Plus the European Parliament has deemed nuclear power a greener and more sustainable energy solution - we'll hear why.

THU 07:00 BBC News (w172yqk474pmjlr)
The latest five minute news bulletin from BBC World Service.

THU 07:06 Newsday (w172yf8104nn585)
Boris Johnson clings on as more ministers resign today

Nearly fifty British MPs have resigned from their government roles over Prime Minister Boris Johnson's leadership, but he insists he won't stand down - we'll take you through why he is under unprecedented pressure, and how the blizzard of resignations has crippled his administration.

Also today a major war crimes investigation is underway in Ukraine for those allegedly executed by the Russian army.

And is Swahili becoming the lingua franca for the African continent?

THU 08:00 BBC News (w172yqk474pmnbw)
The latest five minute news bulletin from BBC World Service.

THU 08:06 The Inquiry (w3ct39t5)
Has AI developed consciousness?

A software engineer called Blake Lemoine has been suspended from Google after claiming an AI chatbot called LaMDA is a person with wishes and rights that should be respected.

He says the chatbot wants to be seen as a Google employee, and not as a product. He also calls it his friend.

Google says it's reviewed his concerns and the evidence does not support his claims.

But what exactly is Artificial Intelligence? How does Lambda work - and is AI capable of felt experience?

On the Inquiry this week, Charmaine Cozier asks, has AI developed consciousness?

Presenter: Charmaine Cozier
Produced by: Ravi Naik and Christopher Blake
Editor: Tara McDermott
Technical Producer: Nicky Edwards
Production Coordinator: Brenda Brown

THU 08:30 BBC News Summary (w172ykqynw9b0m8)
The latest two minute news summary from BBC World Service.

THU 08:32 Business Daily (w3ct311w)
Brazil's election and the economy

Brazilians will go to the polls to elect their next president in October. With Jair Bolsonaro trailing in polls behind former leader Lula da Silva, many voters say the economy is their main worry.

We speak to small business owners in Vitoria, Espirito Santo, to get their thoughts on how financial concerns may influence voters' choices. Mauricio Moura, founder of polling company IDEIA, tells us that the economy has never been as crucial going into a Brazilian election in modern history as it is this year.

Former Central Bank governor Gustavo Franco says he's concerned that some people have forgotten the country's struggles with high levels of inflation in recent decades. Solange Srour, Chief Economist of Credit Suisse Brasil, says the reduction in government benefit payments introduced during the Covid-19 pandemic have dented the president's popularity. And Wilson Ferrarezi from TS Lombard tells us that the most pressing structural challenge for whoever wins the vote in October is reforming Brazil's tax system. With additional reporting by Sarita Reed in Vitoria, Espirito Santo.

Presenter / producer: Tom Kavanagh
Image: Homeless people in Sao Paulo; Credit: NELSON ALMEIDA/AFP via Getty Images

THU 08:50 Witness History (w3ct3c15)
How the smear test was invented

In 1928 Dr George Papanicolaou, a Greek immigrant living in New York, discovered he could detect pre-cancerous cell changes in the cervix. This led to the development of the smear test which has meant millions of women worldwide have not had to face cancer.

Dr Papanicolaou's great niece Olga Stamatidou speaks to Laura Jones.

(Image shows Dr Papanicolaou examining a slide in a laboratory. Credit: Getty Images)

THU 09:00 BBC News (w172ykq474pms30)
The latest five minute news bulletin from BBC World Service.

THU 09:06 Assignment (w3ct303s)
[Repeat of broadcast at 02:32 today]

THU 09:30 BBC News Summary (w172ykqynw9b4cd)
The latest two minute news summary from BBC World Service.

THU 09:32 The Newsroom (w172yl7rmk1m5cp)
The world's Newsroom brings you global events as they happen

THU 10:00 BBC News (w172ykq474pmwv4)
The latest five minute news bulletin from BBC World Service.

THU 10:06 The Newsroom (w172yl7rmk1m7gj)
The world's Newsroom brings you global events as they happen

THU 11:00 BBC News (w172ykq474pn0l8)
The latest five minute news bulletin from BBC World Service.

THU 11:06 The Newsroom (w172yl7rmk1mc6n)

The world's Newsroom brings you global events as they happen

THU 12:00 BBC News (w172ykq474pn4bd)
The latest five minute news bulletin from BBC World Service.

THU 12:06 Newshour (w172yfc1bbgp8p)
Boris Johnson to resign as UK prime minister

Boris Johnson agrees to stand down as UK prime minister amid mounting pressure to resign. We bring you the latest developments.

(Photo: British Prime Minister Boris Johnson announces his resignation as leader of the Conservative Party in Downing Street, London, 07 July 2022. Credit: Tolga Akmen/EPA-EFE/REX/Shutterstock)

THU 13:00 BBC News (w172ykq474pn82j)
The latest five minute news bulletin from BBC World Service.

THU 13:06 The Newsroom (w172yl7rmk1mlpx)
The world's Newsroom brings you global events as they happen

THU 14:00 BBC News (w172ykq474pnctn)
The latest five minute news bulletin from BBC World Service.

THU 14:06 Newshour (w172yfc1bbgqxry)
Boris Johnson announces resignation as UK prime minister

Boris Johnson confirms he will step down as leader of the Conservative Party following ministerial resignations from his cabinet and mounting pressure to step aside. During his resignation speech outside Downing Street Mr. Johnson said "I want you to know how sad I am to be giving up the best job in the world".

(Photo: (Photo: British Prime Minister Boris Johnson announces his resignation as leader of the Conservative Party in Downing Street, London, 07 July 2022. Credit: Tolga Akmen/EPA-EFE/REX/Shutterstock)

THU 15:00 BBC News (w172ykq474pnhks)
The latest five minute news bulletin from BBC World Service.

THU 15:06 Newshour (w172yfc1bbgr1j2)
Boris Johnson announces resignation as Conservative Party leader

Boris Johnson confirms he will step down as leader of the Conservative Party following ministerial resignations from his cabinet and mounting pressure to step aside. During his resignation speech outside Downing Street Mr. Johnson said "I want you to know how sad I am to be giving up the best job in the world".

(Prime Minister Boris Johnson reads a statement outside 10 Downing Street, Picture date: Thursday July 7, 2022. Photo credit: Stefan Rousseau/PA Wire)

THU 16:00 BBC News (w172ykq474pnm9x)
The latest five minute news bulletin from BBC World Service.

THU 16:06 BBC OS (w172yg1m3n130nz)
Boris Johnson quits as Conservative party leader

UK Prime Minister Boris Johnson has resigned as Conservative party leader, saying it is "clearly now the will" of Tory MPs that there should be a new leader. We'll get reaction from voters around the UK, as well as analysis and commentary from politicians and journalists, live from College Green outside the Palace of Westminster.

(Picture: Boris Johnson entering No.10 Downing Street. Picture credit: Getty Images)

THU 17:00 BBC News (w172ykq474pnr21)
The latest five minute news bulletin from BBC World Service.

THU 17:06 BBC OS (w172yg1m3n134f3)
Boris Johnson quits as Conservative party leader

UK Prime Minister Boris Johnson has resigned as Conservative party leader, saying it is "clearly now the will" of Tory MPs that there should be a new leader. We'll get reaction from voters around the UK, as well as analysis and commentary from politicians and journalists, live from College Green outside the Palace of Westminster. (Picture: Boris Johnson entering No.10

Downing Street. Picture credit: Getty Images)

THU 18:00 BBC News (w172ykq474pntv5)
The latest five minute news bulletin from BBC World Service.

THU 18:06 Outlook (w3ct34w6)
Why I stopped talking for 17 years

After witnessing the devastation caused by the 1971 San Francisco Bay oil spill, John Francis made the decision to walk everywhere, so as not to be reliant on fossil fuels. People he met would argue with him about whether one person's stand could make a difference. Eventually, John got so sick of arguing that he decided to stop talking. He was silent for 17 years. He tells Jo Fidge what he learned in that time, and the discovery that made him break his silence.

Austrian director Adrian Goiginger made a film about a boy growing up with a heroin-addicted mother who used fantasy stories to protect him from the frightening world around him. The film won best director and best feature film at the Austrian Film Awards in 2018. The story is actually that of Adrian's own mother who made sure he grew up in a world full of love, in spite of her addiction. This interview was first broadcast in 2018.

Get in touch: outlook@bbc.com

Presenter: Jo Fidge
Producer: Laura Thomas

(Photo: John Francis. Credit: (R) Courtesy of John Francis. (L) Gabriella Urda.)

THU 18:50 Witness History (w3ct3c15)
[Repeat of broadcast at 08:50 today]

THU 19:00 BBC News (w172ykq474pnrz9)
The latest five minute news bulletin from BBC World Service.

THU 19:06 The Newsroom (w172yl7rmk1nb5p)
The world's Newsroom brings you global events as they happen

THU 19:30 BBC News Summary (w172ykqynw9cbtp)
The latest two minute news summary from BBC World Service.

THU 19:32 Sport Today (w172ygfnyghj6)
2022/07/07 GMT

BBC sports correspondents tell the story behind today's top sporting news, with interviews and reports from across the world.

THU 20:00 BBC News (w172ykq474pp39f)
The latest five minute news bulletin from BBC World Service.

THU 20:06 Assignment (w3ct303s)
[Repeat of broadcast at 02:32 today]

THU 20:30 BBC News Summary (w172ykqynw9cgkt)
The latest two minute news summary from BBC World Service.

THU 20:32 Science In Action (w3ct3696)
Long Covid 'brain fog'

Following a bout of Covid-19, a significant number of people suffer with weeks or months of 'brain fog' - poor concentration, forgetfulness, and confusion. This is one of the manifestations of Long Covid. A team of scientists in the United States has now discovered that infection in the lung can trigger an inflammatory response which then causes patterns of abnormal brain cell activity. It's the kind of brain cell dysregulation also seen in people who experience cognitive problems following chemotherapy for cancer.

Also in the programme, the latest discoveries about the asteroid Bennu from the Osiris Rex mission, how Malaysian farmers led US researchers to a botanical discovery, and a new explanation for why dinosaurs took over the world 200 million years ago.

(Image: System of neurons with glowing connections. Credit: Getty Images)

Presenter: Roland Pease
Producer: Andrew Luck-Baker

THU 21:00 BBC News (w172ykq474pp71k)

The latest five minute news bulletin from BBC World Service.

THU 21:06 Newshour (w172yfc1bbgrzvy)

Boris Johnson announces he's to stand down as UK Prime Minister

He intends to stay on as an interim leader but pressure is mounting on Boris Johnson to stand down immediately.

We'll hear how the Prime Minister, who definitely wasn't resigning this time yesterday, bowed to pressure from his colleagues this morning. We'll also explain why British voters get no say in who their new Prime Minister will be

And we'll get reaction to Boris Johnson's departure from across Europe and the United States.

(Picture: Prime Minister Boris Johnson outside 10 Downing Street. Credit: Reuters)

THU 22:00 BBC News (w172ykq474ppbsp)

The latest five minute news bulletin from BBC World Service.

THU 22:06 The Inquiry (w3ct3915)

[Repeat of broadcast at 08:06 today]

THU 22:30 BBC News Summary (w172ykqynw9cq22)

The latest two minute news summary from BBC World Service.

THU 22:32 The Food Chain (w3ct38n1)

[Repeat of broadcast at 04:32 today]

THU 23:00 BBC News (w172ykq474ppgjt)

The latest five minute news bulletin from BBC World Service.

THU 23:06 The Newsroom (w172yrwvs2ddgld)

The world's Newsroom brings you global events as they happen

THU 23:20 Sports News (w172ygh4kdpbk13)

BBC Sport brings you all the latest stories and results from around the world.

THU 23:30 BBC News Summary (w172ykqynw9ctt6)

The latest two minute news summary from BBC World Service.

THU 23:32 World Business Report (w172yk73mdnq885)

Boris Johnson quits as Conservative party leader. How will the UK economy react in the race to Number 10?

The UK Prime Minister Boris Johnson has quit as leader of the Conservative party. It follows a series of ministerial resignations and will lead to the end of Mr Johnson's three year reign as the country's leader at a crucial time for the UK economy. We assess the reasons that have led to this point, get reaction from Europe and ask who will be next in Number 10 Downing Street? We look at what the Prime Minister's resignation may mean from a business perspective with Harvard University economics professor and former IMF chief economist, Kenneth Rogoff. Columbia University economist Cary Leahy gives us the lowdown on the US markets. (Image: Prime Minister Boris Johnson addresses the nation as he announces his resignation outside 10 Downing Street, on July 7, 2022 in London, England. Credit: Getty Images)

FRIDAY 08 JULY 2022**FRI 00:00 BBC News (w172ykq474pp18y)**

The latest five minute news bulletin from BBC World Service.

FRI 00:06 The Forum (w3ct38sk)

The unstoppable orange

Oranges have long represented love, wealth and status - since they originated in South East Asia, around the 8th Century BCE. The orange tree's ability to carry fruit and blossom at the same time made it a symbol of fertility and purity in religious art and painting, and the intoxicating fragrance of the blossom, the perfect sphere of the mature fruit and its sensuously refreshing taste inspired writers and artists, as well as growers to produce ever more spectacular creations. With the advent of artificial refrigeration in the 19th Century, oranges then became big business and widely available to all. By the mid 1880's it's said more than 2.5 million cases of Italian citrus fruit arrived in New York every year. Today, while oranges are enjoyed by many, their production also has a bitter side - the sad plight of

many of the orange pickers, and the impact of the orange juice industry affecting the diversity of orange trees and profit margins of the growers.

Joining Bridget Kendall is Cristina Mazzoni, professor of Romance Languages and Cultures at the University of Vermont, and the author of Golden Fruit: A Cultural History of Oranges in Italy; the food and travel writer Clarissa Hyman, who has written Oranges: A Global History; and Dr Alissa Hamilton, the author of Squeezed: What You Don't Know About Orange Juice.

Producer: Anne Khazam

(Photo: Orange cross section on top of a pile of oranges. Credit: Alexander Spataro/Getty Images)

FRI 00:50 Sporting Witness (w3ct36fq)

Nadine Angerer: Germany's penalty-saving heroine

In July 2013, a record crowd of 41,000 people watched as Germany beat Norway in the women's European championship final in Sweden. The victory meant that Germany had won an unprecedented six European Championships in a row. Goalkeeper, Nadine Angerer, was Germany's star player and captain for that tournament. She has been telling her story to Matt Pintus.

(Photo: Nadine Angerer in action at the 2013 European Championships. Credit: Getty Images)

FRI 01:00 BBC News (w172ykq474ppq12)

The latest five minute news bulletin from BBC World Service.

FRI 01:06 Business Matters (w172ydpfq7bqqdz)

What's the economic impact of UK Prime Minister Boris Johnson's departure?

UK Prime Minister Boris Johnson resigns as Conservative party leader, we look at his economic legacy. The news follows a raft of ministerial resignations and will trigger a leadership election at the heart of the country's government. We assess his impact on the global economy and ask what his successor will need to do from an business perspective.

Rahul Tandon is joined by the journalist and author Madhavan Narayanan in New Delhi, India, and by Hayley Woodin, Executive Editor of Business in Vancouver.

(Image: UK Prime Minister Boris Johnson prepares to address the nation as he announces his resignation outside 10 Downing Street on July 7, 2022 in London, England. Credit: Getty Images)

FRI 02:00 BBC News (w172ykq474ppt6)

The latest five minute news bulletin from BBC World Service.

FRI 02:06 The Newsroom (w172y17rmk1p5dl)

The world's Newsroom brings you global events as they happen

FRI 02:30 BBC News Summary (w172ykqynw9d61l)

The latest two minute news summary from BBC World Service.

FRI 02:32 World Football (w3ct3hq8)

Ghana's Otto Addo and Euro 2022 kicks off

Belgium midfielder Justine Vanhaevermaet looks ahead to their opening match against at Euro 2022 against Iceland. Plus, we speak to a man with two jobs, the the Ghana national team coach and Borussia Dortmund Talent Development Trainer Otto Addo.

Picture on website: Otto Addo of Borussia Dortmund gestures during a Bundesliga match against Union Berlin. (Photo by Mario Hommes/DeFodi Images via Getty Images)

FRI 03:00 BBC News (w172ykq474ppyjb)

The latest five minute news bulletin from BBC World Service.

FRI 03:06 Outlook (w3ct34w6)

[Repeat of broadcast at 18:06 on Thursday]

FRI 03:50 Witness History (w3ct3c15)

[Repeat of broadcast at 08:50 on Thursday]

FRI 04:00 BBC News (w172ykq474ppq28g)

The latest five minute news bulletin from BBC World Service.

FRI 04:06 The Newsroom (w172y17rmk1pdvw)

The world's Newsroom brings you global events as they happen

FRI 04:30 BBC News Summary (w172ykqynw9dfjv)

The latest two minute news summary from BBC World Service.

FRI 04:32 Heart and Soul (w3ct423g)

No country for Azov Greeks

Fleeing from the war-torn Mariupol in eastern Ukraine, Afina Khadzynova is trying to reconnect to her Greek roots in the Mediterranean island of Cyprus.

The ethnic Greek community has been in Mariupol since the 18th Century. Up until February of this year the city's Greeks had a vibrant cultural life, celebrating their language, traditions and religious rites, brutally cut short by the Russian invasion. Within weeks traditional Greek settlements were levelled and the city itself was besieged, leaving civilians to shelter in their basements without food, water, heat or mobile connection.

Afina and her mother Olympiada managed to escape after two weeks under siege, yet her brother and nieces still remain in the occupied city. She began communicating with reporter Natalia Golysheva Deis, sending voice notes that reflect her life in the city, and her transformation into a refugee. A self-proclaimed non-believer, when the war came she started to pray to an old Greek icon to shield her from shelling. Now in Cyprus, she meets Natalia Deis around orthodox Easter as she settles into her new life away from her beloved home.

Producer/presenter: Natalia Golysheva Deis

A Whistledown production for BBC World Service

Title song "Hnua Becha"/Another Spring, courtesy of Vitaly Kozlovsky and team

(Photo: Azov Greeks' cultural festival Megha Yurty in Mariupol, 2021. Credit: Mariupol Rada)

FRI 05:00 BBC News (w172ykq474ppq60l)

The latest five minute news bulletin from BBC World Service.

FRI 05:06 Newsday (w172y17rmk1p5dl)

Japan ex-PM Shinzo Abe shot at campaign event

The former Japanese Prime Minister, Shinzo Abe, has reportedly been shot - we'll go live to our correspondent in Tokyo to find out more.

In the UK, law-makers from the governing Conservative party have finally succeeded in getting their leader, the prime minister Boris Johnson, to step down but what comes next for him, the party and the country?

Also we have a special report from our correspondent in Ukraine on from the latest city in the Russian crosshairs.

FRI 06:00 BBC News (w172ykq474ppq9rq)

The latest five minute news bulletin from BBC World Service.

FRI 06:06 Newsday (w172y17rmk1p5dl)

Shinzo Abe: Japan's ex-PM shot during a campaign event

The former Japanese Prime Minister, Shinzo Abe, has been taken to hospital after apparently being shot while delivering a speech at a campaign event in the city of Nara in western Japan.

A day after UK Prime Minister Boris Johnson resigned and announced he'll stay in office until a replacement is elected by his party - if the Tory rebels allow him - we look at possible contenders and the roadmap ahead.

Plus, Tunisia's Ons Jabeur makes history by becoming the first Arab and African to reach the tennis finals in Wimbledon - our sports reporter talks to her.

FRI 07:00 BBC News (w172ykq474ppqf1hv)

The latest five minute news bulletin from BBC World Service.

FRI 07:06 Newsday (w172y17rmk1p5dl)

Shinzo Abe: former Japanese PM shot, suspect detained

Japanese media are reporting that the former Prime Minister, Shinzo Abe, has been taken to hospital after being shot at a campaign event - we'll be hearing the latest from Tokyo.

We're on College Green in Westminster a day after UK Prime Minister Boris Johnson resigned - he's staying in office till Autumn, if the Tory rebels allow him, but already possible contenders for his replacement have come out.

And we have a special report from our correspondent in Ukraine on from the latest city in the Russian crosshairs.

FRI 08:00 BBC News (w172ykq474pqq7z)

The latest five minute news bulletin from BBC World Service.

FRI 08:06 HARDtalk (w3ct32g1)

Nury Turkel: Will the world stand up for China's Uyghurs?

Stephen Sackur speaks to Nury Turkel, a prominent Uyghur activist in exile and chair of the US Commission on International Religious Freedom. He is a key leader in the effort to pressure China to end the repression of the Uyghurs. But is his campaign doomed to fail?

(Photo: Nury Turkel in the Hardtalk studio)

FRI 08:30 BBC News Summary (w172ykqynw9dxjc)

The latest two minute news summary from BBC World Service.

FRI 08:32 Business Daily (w3ct30rv)

The business of streaming games

We explore the world of video game streaming - where players connect their screens to platforms such as Twitch or YouTube so that fans can watch them play.

Elizabeth Hotson talks to Aoife Wilson, head of video at video game website Eurogamer who's an enthusiastic streamer and industry watcher; she explains why watching people play games has turned into a multi-billion dollar industry.

The BBC's Faarea Masud gives a fan's perspective, whilst Sam Matthews, CEO of e-sports brand, Fnatic gives us an insight into the money-making potential of competitive gaming. Thomas Slattery from gaming venue, Platform, in London, tells us why he thinks streaming is so important right now.

Presenter / producer: Elizabeth Hotson

Image: A gamer; Credit: Getty Images

FRI 08:50 Witness History (w3ct3bwn)

The US's first gay election candidate

In 1961 the first openly gay person ran for public office in the United States. He was called Jose Sarria and he was a drag queen. He was determined that gay people would no longer be second-class citizens and paved the way for future openly gay candidates, such as Harvey Milk. Josephine McDermott speaks to Jose's friend and fellow drag performer Mike Michelle.

(Photo: Jose Sarria in drag. Credit: The Jose Sarria Foundation)

Credits:

Jose Sarria archive material from the documentary, Nelly Queen: The Life and Times of Jose Sarria by kind permission of its director Joseph Castel. Black Cat monologue recorded by Ball Records.

FRI 09:00 BBC News (w172ykq474ppq03)

The latest five minute news bulletin from BBC World Service.

FRI 09:06 Tech Tent (w3ct3759)

How Wimbledon has gone high tech

This week Tech Tent comes from the Wimbledon tennis championships, in London, and finds out about the sophisticated AI systems powering match predictions, with Kevin Farrar, from IBM. Alexandra Willis, Communications and Marketing Director at Wimbledon, discusses how this most traditional of tournaments is venturing ever further into online and virtual worlds. And away from the tennis, cyber reporter Joe Tidy explains the latest steps Apple is taking against Spyware like Pegasus- and brings us an intriguing update on a cyber attack on an Iranian steel mill.

FRI 09:30 BBC News Summary (w172ykqynw9f18h)

The latest two minute news summary from BBC World Service.

FRI 09:32 Science In Action (w3ct3696)

[Repeat of broadcast at 20:32 on Thursday]

FRI 10:00 BBC News (w172ykq474pqs7)

The latest five minute news bulletin from BBC World Service.

FRI 10:06 The Real Story (w3ct33p3)

How the Supreme Court is reshaping the US

Abortion, environmental protections and gun ownership rights are among the controversial topics the US Supreme Court has ruled on over recent weeks. The highest court in the land has the final say on interpreting laws and deciding what's constitutional and what isn't. Now - with a clear conservative majority at the helm - the court's move to overturn the landmark 1973 ruling guaranteeing abortion rights across the country (Roe v. Wade) signals it's willing to re-visit previous judgments many had considered 'settled law'. Campaigners fear past decisions on other subjects, such as gay marriage, the right to contraception and even the way elections are run, may now also be overturned. So, what is the role of the Supreme Court within the United States' system of government and is it changing? How will its rulings impact politics federally and in individual states? And is the system set up by America's founding fathers working as designed, or is political polarisation undermining the very principles it was built around?

Paul Henley is joined by a panel of expert guests.

Producers: Paul Schuster and Zak Brophy.

FRI 11:00 BBC News (w172ykq474pqqhc)

The latest five minute news bulletin from BBC World Service.

FRI 11:06 The Newsroom (w172y17rmk1q83r)

The world's Newsroom brings you global events as they happen

FRI 12:00 BBC News (w172ykq474pr17h)

The latest five minute news bulletin from BBC World Service.

FRI 12:06 The Fifth Floor (w3ct37zd)

Reporting the Afghan earthquake

It's more than two weeks since a deadly earthquake struck south east Afghanistan, killing more than a thousand people and leaving tens of thousands homeless. Auliya Atrafi from BBC Media Action in Kabul and Aamir Peerzada from BBC Delhi both travelled to the epicentre in Paktika province, and Ali Hamedani tracked down survivors from his base in London.

Bolsonaro and Brazil's black women voters
Evangelical Christian black women from poor backgrounds played a significant role in the election of Brazil's right-wing president Jair Bolsonaro 4 years ago. BBC Brasil's Nathalia Passarinho visited cities around the country to find out why they voted for a candidate accused of making racist and sexist comments then, and will they do it again?

Cairo houseboats

The famous houseboats on the River Nile in the heart of Cairo are being demolished and towed away. The authorities say they are standing in the way of the state's grand development plans, but there has been a campaign to save these iconic floating homes, in which some families have lived for decades. BBC Cairo's Sally Nabil visited the residents to hear their stories.

(Photo: Auliya Atrafi of BBC Media Action interviewing an earthquake survivor. Credit: Courtesy BBC Media Action Afghanistan)

FRI 12:50 Witness History (w3ct3bwn)

[Repeat of broadcast at 08:50 today]

FRI 13:00 BBC News (w172ykq474pr4zm)

The latest five minute news bulletin from BBC World Service.

FRI 13:06 The Newsroom (w172y17rmk1qhm0)

The world's Newsroom brings you global events as they happen

FRI 13:30 BBC News Summary (w172ykqynw9fj80)

The latest two minute news summary from BBC World Service.

FRI 13:32 Science In Action (w3ct3696)

[Repeat of broadcast at 20:32 on Thursday]

FRI 14:00 BBC News (w172ykq474pr8qr)

The latest five minute news bulletin from BBC World Service.

FRI 14:06 Newshour (w172yfc1bbgttpt)

Shinzo Abe assassinated

The former Japanese prime minister Shinzo Abe has died at the age of 67 after being shot while making a speech in the western city of Nara. We hear reaction from around the world to the shock assassination of one of Japan's best known and most influential leaders.

Also in the programme: the race to become the next UK prime

minister kicks off; and a pilot study finds microplastics in animal feed and the meat, milk and blood of farmed cows and pigs.

(Image: Shinzo Abe, Japan's former prime minister / Credit: Getty)

FRI 15:00 BBC News (w172ykq474prdgw)

The latest five minute news bulletin from BBC World Service.

FRI 15:06 HARDtalk (w3ct32g1)

[Repeat of broadcast at 08:06 today]

FRI 15:30 BBC News Summary (w172ykqynw9frr8)

The latest two minute news summary from BBC World Service.

FRI 15:32 World Business Report (w172yk30drnbp1s)

Japan ex-leader Shinzo Abe assassinated while giving speech

Japan's former prime minister Shinzo Abe has died in hospital after he was shot at a political campaign event.

Abe was shot at twice while he was giving a speech on a street in the city of Nara on Friday morning.

Security officials at the scene tackled the gunman and a 41-year-old suspect is now in police custody.

Germany: Fears of winter energy crisis bring calls for shorter hot showers and cooler swimming pools as the impact of its energy crunch begins to spread from industry to offices, leisure centres and homes.

And as Muslims around the world prepare to celebrate the feast of Eid al Adha, a spike in the price of Rams mean many in parts of Africa will not fulfil their religious obligation.

(Shinzo Abe was Japan's longest-serving prime minister. Image Credit: Reuters)

FRI 16:00 BBC News (w172ykq474prj70)

The latest five minute news bulletin from BBC World Service.

FRI 16:06 BBC OS (w172yg1m3n15xl2)

Shinzo Abe: Japan ex-leader assassinated

We get reaction from Japan and globally following the news that former Japanese PM Shinzo Abe has been assassinated while giving a campaign speech. As well as getting the latest developments in the story, we explain more about the background of one of Japan's best known international political figures, and hear a conversation between people in Japan, as the country comes to terms with the shocking events.

We have more on the fallout following Boris Johnson's resignation as UK Prime Minister, with our correspondent explaining who is looking to take on the leadership role of the Conservative party, alongside hearing more voice messages from people across the world with their thoughts.

And we return to Ukraine where the country's fightback against Russian aggression is not just in the battlefield - but in the legal field too. Various Ukrainian government departments are currently involved in the laborious task of documenting and collating evidence of Russian war crimes against Ukrainian civilians. We speak to Ukraine's Prosecutor General Iryna Venediktova to find out more.

(Photo: Former Japanese Prime Minister Shinzo Abe makes a speech before he was shot from behind by a man in Nara, western Japan July 8, 2022. Credit: TheÅ AsahiÅ Shimbun. TheÅ AsahiÅ Shimbun/via REUTERS)

FRI 17:00 BBC News (w172ykq474przm4)

The latest five minute news bulletin from BBC World Service.

FRI 17:06 BBC OS (w172yg1m3n161b6)

Shinzo Abe: Japan ex-leader assassinated

We get reaction from Japan and globally following the news that former Japanese PM Shinzo Abe has been assassinated while giving a campaign speech. As well as getting the latest developments in the story, we explain more about the background of one of Japan's best known international political figures, and hear a conversation between people in Japan, as the country comes to terms with the shocking events.

We have more on the fallout following Boris Johnson's resignation as UK Prime Minister, with our correspondent explaining who is looking to take on the leadership role of the Conservative party, alongside hearing more voice messages

from people across the world with their thoughts.

And we go to Nigeria, where hundreds of prisoners, including scores of terrorists, are on the run after suspected Islamist militants attacked a prison near the capital, Abuja. We get the latest developments from our reporter on the ground.

(Photo: Former Prime Minister of Japan Shinzo Abe speaking during a business forum in Tokyo, 31/08/17. Credit: Carl Court/PA Wire)

FRI 18:00 BBC News (w172ykq474prq8)

The latest five minute news bulletin from BBC World Service.

FRI 18:06 The Fifth Floor (w3ct37zd)

[Repeat of broadcast at 12:06 today]

FRI 18:50 Witness History (w3ct3bwn)

[Repeat of broadcast at 08:50 today]

FRI 19:00 BBC News (w172ykq474prwgd)

The latest five minute news bulletin from BBC World Service.

FRI 19:06 The Newsroom (w172yl7rnk1r72s)

The world's Newsroom brings you global events as they happen

FRI 19:30 BBC News Summary (w172ykqynw9g7qs)

The latest two minute news summary from BBC World Service.

FRI 19:32 Sport Today (w172ygfhyh1df9)

2022/07/08 GMT

BBC sports correspondents tell the story behind today's top sporting news, with interviews and reports from across the world.

FRI 20:00 BBC News (w172ykq474ps06j)

The latest five minute news bulletin from BBC World Service.

FRI 20:06 Tech Tent (w3ct3759)

[Repeat of broadcast at 09:06 today]

FRI 20:30 BBC News Summary (w172ykqynw9gcgx)

The latest two minute news summary from BBC World Service.

FRI 20:32 CrowdScience (w3ct3j72)

Are artistic brains different?

Artists can conjure up people, cities, landscapes and entire worlds using just a pencil or a paintbrush. But some of us struggle to draw simple stick figures or a circle that's round. CrowdScience listener Myck is a fine artist from Malawi, and he's been wondering if there's something special about his brain.

Myck takes Marnie Chesterton on a tour of his studio, where he paints onto huge canvases sewn from offcuts of local fabric. He's a self-taught artist and he's convinced he sees things differently to other people. So where does that all come from? Do artists have different brains from non-artists? And what is it that makes someone a creative person, while others are not?

With the help of a jigsaw puzzle, a large metal donut, a swimming cap covered in electrodes and a really boring brick, Marnie probes the brains of people working to find answers to those questions. She'll be learning about how we don't really see what we think we see, why creative people's brains are like private aeroplanes, and how daydreaming can be a full time job.

Contributors:

Rebecca Chamberlain, Goldsmiths University of London
Robert Pepperell, Cardiff School of Art
Ariana Anderson, UCLA
Darya Zabelina, University of Arkansas

Presented by Marnie Chesterton

Produced by Ben Motley for the BBC World Service

FRI 21:00 BBC News (w172ykq474ps3yn)

The latest five minute news bulletin from BBC World Service.

FRI 21:06 Newshour (w172yfc1bbgvnyw)

Interviews, news and analysis of the day's global events.

FRI 22:00 BBC News (w172ykq474ps7ps)

The latest five minute news bulletin from BBC World Service.

FRI 22:06 HARDtalk (w3ct32g1)

[Repeat of broadcast at 08:06 today]

FRI 22:30 BBC News Summary (w172ykqynw9glz5)

The latest two minute news summary from BBC World Service.

FRI 22:32 World Football (w3ct3hq8)

[Repeat of broadcast at 02:32 today]

FRI 23:00 BBC News (w172ykq474pscfx)

The latest five minute news bulletin from BBC World Service.

FRI 23:06 The Newsroom (w172yrwvs2dhchh)

The world's Newsroom brings you global events as they happen

FRI 23:20 Sports News (w172ygh4kdpfgh6)

BBC Sport brings you all the latest stories and results from around the world.

FRI 23:30 BBC News Summary (w172ykqynw9gqq9)

The latest two minute news summary from BBC World Service.

FRI 23:32 World Business Report (w172yk3tvh81yg3)

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