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Sheikh Mohammed Inaugurates 5th Phase Of 900MW Solar Park



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Lotus Eletre:
Technology, Performance And Luxury



Emirates Appreciation Award for the Environment



Together for a green home

Chairman's Message

Dubai's opening of the 5th phase of the 900MW Mohammed bin Rashid Al Maktoum Solar Park is a significant achievement that highlights the emirate's commitment to sustainable development and energy transition. This groundbreaking project not only underscores Dubai's dedication to combatting climate change but also reflects the visionary approach of its leadership to transform energy systems and embrace renewable sources.

Dubai's renewable energy ambitions are at the heart of the 900MW solar park as the emirate has set a target of generating 25 per cent of its energy requirements from renewable sources by 2030 and 100 per cent by 2050.

It is noteworthy that the opening of the new phase of the solar park coincides with the UAE's Year of Sustainability, and the year in which it is hosting the COP28 climate change summit. In the words of His Highness the Ruler of Dubai, the completion of the fifth phase "takes us another major step closer to realising our vision for an economy fully powered by clean energy."



**Prof. Mohammed
bin Fahad**
Executive Editor

The benefits of Dubai's renewable energy initiatives extend far beyond environmental preservation. The shift towards clean energy sources and diversification of its energy mix ensures a more resilient and sustainable energy supply for the emirate's growing population. This long-term vision of energy security aligns with the emirate's broader goals of economic diversification and sustainable development.

Through partnerships and collaborations, Dubai has actively engaged with multiple stakeholders to share its knowledge and experiences in renewable energy. By fostering dialogue and cooperation and embracing innovation, Dubai has played a pivotal role in driving the global transition towards a more sustainable future. This ambitious project exemplifies Dubai's leadership in sustainability and will inspire more nations to join the renewable energy revolution and collectively work towards a more sustainable and resilient planet.

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Upcoming events

What Does A Global Goal on Adaptation Mean For Africa?

Date: July 11

Webinar

This webinar aims to enhance knowledge and understanding of the Global Goal on Adaptation (GGA), offering participants the opportunity to gain insights into the Glasgow-Sharm el-Sheikh Work Programme on the GGA, discuss regional priorities for adaptation, and explore the opportunities presented by the GGA. Additionally, participants will have the chance to hear perspectives from civil society, youth groups, governments, development banks, and the private sector on local, national, and regional resources, frameworks, and indicators, which will help better incorporate African perspectives into the development of a global adaptation framework.

High-level Political Forum on Sustainable Development 2023

Date: July 10-19

Location: New York, USA

Held under the auspices of the Economic and Social Council, at this forum, participants will be able to further discuss the effective and inclusive recovery measures to address the impacts of the COVID-19 pandemic on the Sustainable Development Goals (SDGs) and explore actionable policy guidance for the full implementation of the 2030 Agenda and the SDGs at all levels.

The HLPF in 2023, without prejudice to the integrated, indivisible and interlinked nature of the SDGs, will also review in-depth Goals 6 on clean water and sanitation, 7 on affordable and clean energy, 9 on industry, innovation and infrastructure, 11 on sustainable cities and communities, and 17 on partnerships for the Goals.

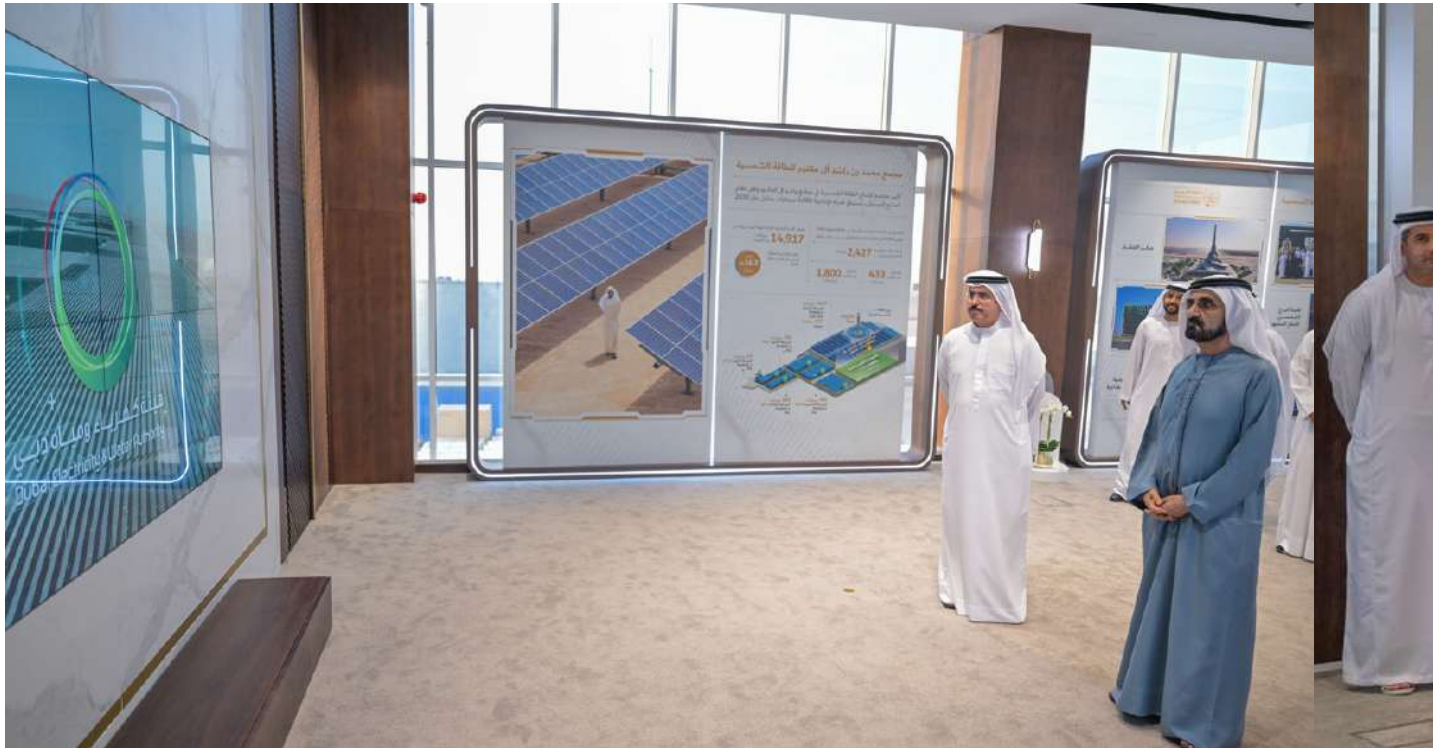
UN Food Systems Summit +2 Stocktaking Moment

Date: July 24-26

Location: Rome, Italy

The overall framing of the Conference lies around the narrative of "Sustainable Food Systems for People, Planet and Prosperity: Diverse pathways in a shared journey". Starting from this idea, the event serves as a make-or-break moment to maintain and generate further momentum on action for food systems transformation in support of SDGs acceleration.

Sheikh Mohammed Inaugurates 5th Phase Of 900MW Solar Park



His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, has inaugurated the 900 megawatt (MW) fifth phase of the Mohammed bin Rashid Al Maktoum Solar Park. This is the largest single-site solar park in the world with a planned capacity of 5,000 MW by 2030.

The fifth phase of the project will provide clean energy to around 270,000 residences in Dubai, reducing 1.18 million tonnes of carbon emissions annually. Featuring a total investment of AED50 billion, based on the Independent Power Producer (IPP) model, the Solar Park is expected to reduce 6.5 million tonnes of carbon emissions annually when fully completed.

H.H. Sheikh Ahmed bin Mohammed bin Rashid Al Maktoum, Second Deputy Ruler of Dubai and

Chairman of the Dubai Media Council; H.H. Sheikh Ahmed bin Saeed Al Maktoum, Chairman of the Dubai Supreme Council of Energy (DSCE); and H.H. Sheikh Mansoor bin Mohammed bin Rashid Al Maktoum, Chairman of the Dubai Sports Council, attended the inauguration.

The Ruler of Dubai was welcomed at the Solar Park in Seih Al Dahl, by Saeed Mohammed Al Tayer, Managing Director and CEO of the Dubai Electricity and Water Authority (DEWA).

H.H. Sheikh Mohammed bin Rashid Al Maktoum said: "The UAE is at the forefront of global efforts to create a more sustainable future for all of humanity by taking concrete action to transition to renewable energies and combat climate change. In 2023, the UAE's Year of Sustainability, and the year in which we are hosting COP28, we continue to place

With a total investment of AED 50 billion, the Mohammed bin Rashid Al Maktoum Solar Park is expected to reduce 6.5 million tonnes of carbon emissions annually when it is fully completed in 2030



sustainability at the heart of our development plans and make new strides in shaping a truly environmentally friendly economy. The completion of the fifth phase of the Mohammed bin Rashid Al Maktoum Solar Park takes us another major step closer to realising our vision for an economy fully powered by clean energy.

“Aligned with the UAE’s vision, Dubai has developed a clear strategy and pathway to achieve its targets of generating 25 per cent of its energy requirements from renewable sources by 2030 and 100 per cent by 2050. Dubai is resolute in its commitment to becoming one of the most sustainable cities in the world, with diverse initiatives.

“The rapid progress of the Mohammed bin Rashid Al Maktoum Solar Park project is yet another example of our strong ethos of public-private

partnerships. Such partnerships play a key role in driving sustainable economic development, building a world-class renewable energy infrastructure and creating a diverse environment-friendly energy mix in the emirate.

“Apart from benefiting the environment, our sustainability initiatives also contribute to our plans to consolidate Dubai’s status as one of the world’s top urban economies and enhance the wellbeing and quality of life of our citizens and residents,” His Highness said.

The inauguration was attended by Dawood Al Hajri, Director General of Dubai Municipality; Ahmed Buti Al Muhairbi, Secretary-General of the Dubai Supreme Council of Energy; Saif Humaid Al Falasi, CEO of Emirates National Oil Company (ENOC); Abdulla bin Kalban, Managing Director of Emirates Global Aluminium (EGA);



Hussain Al Banna, CEO of Strategy and Corporate Governance Sector at the Roads and Transport Authority (RTA); Juan-Pablo Freile, General Manager of Dubai Petroleum; Hussain Al Banna, Acting CEO of the Strategy & Corporate Governance Sector at the Roads & Transport Authority (RTA); Mohammad Abdullah Abunayyan, Chairman of ACWA Power; and Ibrahim AlQadhi, CEO of Gulf Investment Corporation (GIC).

His Highness was briefed by Al Tayer about the fifth phase of the Mohammed bin Rashid Al Maktoum Solar Park. DEWA has implemented this phase using the latest solar photovoltaic bifacial technologies with Single Axis Tracking to increase energy production and the plant's efficiency.

The AED2 billion project, implemented based on the Independent Power Producer (IPP) model, features a partnership between DEWA (60%) and

a consortium led by ACWA Power and Gulf Investment Corporation (40%) through Shuaa Energy 3. DEWA achieved a world record by receiving the lowest bid of USD1.6953 cents per kilowatt hour (kWh) for the fifth phase.

His Highness was also briefed about the phases of the Mohammed bin Rashid Al Maktoum Solar Park and the technologies used in the project. The total capacity of the solar energy projects commissioned at the solar park has reached 2,427MW from photovoltaic solar panels and Concentrated Solar Power (CSP). The total capacity of the projects under construction at the solar park is 433MW from CSP. DEWA has increased the share of clean energy in Dubai's energy mix to about 16.3% of its total installed capacity, which has reached 14,917 MW.

The inauguration of the 900MW fifth phase of

Dubai opens fifth phase of world's biggest single-site solar park to power 270,000 homes



the Solar Park supports the directives of H.H. Sheikh Mohammed bin Rashid Al Maktoum to provide 100% of Dubai's power production capacity from clean energy sources by 2050. In 2020, DEWA achieved a world record by receiving the lowest bid of USD 1.6953 cents per kilowatt hour (kWh) for the fifth phase, which included over 6.8 million safe working hours. The fifth phase was completed ahead of schedule (June 2023 instead of December 2023) despite the implementation having commenced during the COVID-19 pandemic.

The fifth phase is one of the first projects in the Middle East to use Artificial Intelligence (AI) as part of an advanced robotic cleaning system for the operation and maintenance of photovoltaic panels. The total area of the fifth phase is approximately 10 square kilometres, which is half of the total area of the 800MW third phase.



UAE Wins Bid To Host World Conservation Congress Of IUCN In 2025

The UAE has won the bid to host the World Conservation Congress of the International Union for Conservation of Nature (IUCN) in 2025 in Abu Dhabi. The Environment Agency - Abu Dhabi (EAD) submitted the bid on behalf of Abu Dhabi and the UAE government.

The successful bid to host the IUCN World Conservation Congress in 2025 further

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CONSERVATION



Abu Dhabi has been chosen to host the World Conservation Congress of the International Union for Conservation of Nature in 2025, aimed at promoting efforts to safeguard nature and the environment around the globe

reaffirms the UAE and its leadership's commitment to environmental conservation, climate change action and sustainability. Abu Dhabi continues to be at the forefront of nature conservation by building strong relations with key international environmental organisations such as the IUCN.

H.H. Sheikh Hamdan bin Zayed Al Nahyan, Ruler's Representative in Al Dhafra Region and Chairman of EAD, said, "Winning the bid to host the IUCN Congress in 2025 is an opportunity to showcase the UAE's conservation leadership in protecting and restoring endangered species, both in the country and globally.

"We will make the IUCN 2025 Congress one of the most impactful, effective, and decisive congresses to date. We will work with the conservation community to protect our planet

Held every four years, the IUCN Congress is the world's largest conservation event



to avert biodiversity and climate crises.”

Mariam bint Mohammed Almheiri, Minister of Climate Change and the Environment, said, "Hosting this conference is a crowning achievement for the UAE and underscores our leading global status in taking on larger responsibilities in these areas. Our role as host of COP28 this year, reiterates the UAE's influential position as a leading global partner in steering efforts to tackle some of the most pressing challenges of our times – climate change, environmental preservation, and the prevention of natural resource wastage.”

Razan Khalifa Al Mubarak said, “Global biodiversity loss and climate change impacts are unprecedented environmental emergencies and need an equally unprecedented response. IUCN with its global experts, convening power and

knowledge products has a major role to shape such a response.”

IUCN is a membership-based organisation that harnesses the experience, resources and reach of more than 1,400 member organisations and the input of over 18,000 experts. This diversity and vast expertise make IUCN the global authority on the status of the natural world and the measures needed to safeguard it.

The World Conservation Congress of the IUCN, held every four years is the highest organ of the Union. The IUCN WCC in 2025 in Abu Dhabi is expected to bring an estimated 10,000-15,000 delegates from over 160 countries across the globe and will be an event which could galvanise conservation actions to protect our planet, amid local and global challenges.

UAE Urges G20 Nations To Adopt Climate-Smart Agricultural And Food Systems

Mariam bint Mohammed Almhiri, UAE Minister of Climate Change and Environment, and G20 Ministers of Agriculture met in Hyderabad, India, between June 16-17 to discuss the inclusive food and agriculture systems of the future.

The group worked to finalise the G20 Agriculture Ministers' Declaration 2023, a document that



Mariam Almhiri urges G20 to back 'Global Framework on Agriculture, Food Systems, and Climate' at upcoming UN Food Systems Summit

reiterates the group's collective commitment to ensure food security and nutrition for all. In the declaration, the G20 Agricultural Track highlighted their concerns about intensifying malnutrition rates and worsening global food insecurity in developing nations.

They recognised that these challenges have been compounded by poverty, the COVID-19 pandemic, accelerating climate change, ongoing conflicts, and biodiversity loss worldwide. The declaration emphasises the importance of creating sustainable agriculture and food systems that will be resilient to changes in climate and biodiversity loss.

The G20 Agricultural Track meeting discussed issues that significantly impact people's lives worldwide including the challenges of climate change and ensuring food security.

*Minister Mariam Almheiri says
declaration on agriculture, food
systems and climate is being
prepared for COP28*



During her speech before the G20, Mariam Almheiri said: "The current global food systems are the biggest contributors to biodiversity loss, deforestation, drought, and freshwater pollution in the world, as well as being the second-largest generator of greenhouse gas emissions."

She affirmed that the G20 could cooperate more on transforming the agricultural food systems, taking on that responsibility and leading the world by reaching a consensus on transforming these systems as quickly as possible.

Almheiri said: "At COP28 in November, the UAE will focus on stimulating the global response to many issues arising from climate change, from food systems to clean energy and biodiversity." In this context, she called on the G20 member countries to support the Global Framework on Agriculture, Food Systems, and Climate that will

be announced in August during the United Nations Food Systems Summit.

Almheiri highlighted that Dr. Sultan Al Jaber, Minister of Industry and Advanced Technology, UAE Special Envoy for Climate Change, and COP28 President-Designate, will focus on transforming food and agricultural systems as part of his main agenda as the appointed President at the upcoming Conference of Parties in the UAE. This will help accelerate action and investment towards pro-climate and sustainable agricultural and food systems, referred to technically as "agrifood systems".

During the meeting, the group expressed concern over the rise in food prices, ongoing disruptions in global supply chains, and the volatility in the prices of food and fertilisers. They also called for an increased focus on enhancing the resilience of



supply chains and their critical importance in achieving food security, where the reliability of supply chains is particularly crucial for those living in environments with low food security, especially women and girls in emergencies and humanitarian crises.

The joint statement signed at the event to enhance global food security, emphasised the importance of continuing to exchange knowledge between countries to support innovation efforts in the future.

All representatives at the G20 Agricultural Track meeting pledged to assist low-income countries, especially net food-importing developing countries, in tackling the multiple challenges they face due to climate change. The group also welcomed the decision of the Conference of the Parties (COP27) on climate change entitled "Joint

Action in Sharm El-Sheikh on Implementing Climate Action for Agriculture and Food Security".

The G20 Agriculture Ministers' Statement for 2023 includes an annexe on the Global Research Initiative on Millet and Ancient Grains. This vital project aims to diversify and improve sustainable food sources, focusing on underutilised grains that can adapt to climate change. The goal is to enhance the efficiency of grain research by enabling scientists to publish results effectively, create online platforms to facilitate researcher communication and organise knowledge exchange processes under mutually agreed terms.

The project of the Global Research Initiative on Millet and Other Ancient Grains aims to support efforts within the International Year of Millet 2023 program announced by the United Nations.

Abu Dhabi Reduces Use Of Single-Use Plastic Bags By 95% In One Year

The Environment Agency – Abu Dhabi (EAD) has announced that the implementation of the ban on single-use plastic bags since June 1, 2022, has successfully prevented over 172 million bags from entering the environment.

In 2020, EAD introduced the comprehensive Single-Use Plastic Policy with the aim of reducing the reliance on single-use plastic items

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and promoting sustainability and recycling in the emirate of Abu Dhabi.

Prominent retail outlets such as Carrefour, Lulu Hypermarket, Abu Dhabi Co-operative Society, Spar, Choithrams, Spinneys, Waitrose, and others, including ADNOC outlets, joined the initiative. These retailers have witnessed a significant reduction of 90 to 95 percent in the consumption of plastic bags. Now, for every 100 bags that were previously used at the cash counters, only five reusable bags are being taken by consumers.

Dr. Shaikha Salem Al Dhaheri, Secretary-General of the EAD, said, "In Abu Dhabi we have seen an unprecedented reduction in single-use plastic bags since the implementation on the ban just one year ago. To date we can safely say that we have prevented 172 million single-use plastic bags from entering and harming the environment.

The retailers who acted quickly in implementing the ban have recorded remarkable figures reaching more than 95 percent reduction in the number of plastic bags at the cash counters of some of the major retailers.

This reduction in the number of bags and the increase in demand for reusable bags resulted in an overall reduction of the weight of plastic consumed by 77 percent. To put this into context, this is the equivalent to a reduction of more than 1,000 tonnes of plastic bags that were eliminated in just one year."

She added: "The carbon footprint of the quantity of plastic eliminated is equivalent to 272,000 tonnes of CO2 equivalent which translates into saving emission from 629,000 barrels during the past year."

'Protecting Lives And Livelihoods Central To Global Climate Response'

Dr. Sultan bin Ahmed Al Jaber, Minister of Industry and Advanced Technology and COP28 President-Designate, addressed the New Global Financing Pact Summit in Paris and welcomed progress to unlock climate finance while calling on delegates to go further.

During his visit, the COP President met with key global and climate leaders, including Emmanuel



We need to shift the narrative that views climate finance as a burden and recognises it as an economic opportunity.'

- COP28 President-Designate

Macron, President of France; Luiz Inácio Lula da Silva, President of Brazil; Mia Motley, Prime Minister of Barbados; and Antonio Guterres, Secretary-General of the United Nations, to discuss climate finance reform.

The summit, led by President Macron and Barbados Prime Minister Mia Motley, targeted global financial reform to drive more financial resources towards climate action and support the most vulnerable communities.

Clean energy investment in low-income countries represents less than 2 percent of global investment in the sector, and less than 10 percent of the USD120 billion a year that is the baseline requirement, the President-Designate said at the summit.

"We need to take a comprehensive and a holistic

The New Global Financing Pact Summit in Paris welcomed progress to unlock climate finance



approach to a global challenge, view climate action as an opportunity, not as a burden, and act together with unity of purpose,” he stated.

On finance, Dr. Al Jaber reiterated the need for developed nations to meet their historic commitment to provide finance for developing countries, adding that “Donor countries are finally closing in on their promise of the USD 100 billion in climate finance for the Global South. And I repeat, that must be delivered this year.”

“For countries that have done the least to cause climate change, climate finance remains unavailable, inaccessible, and unaffordable,” Dr. Al Jaber said. “Changing that equation requires trillions in private investment, not just billions in multilateral loans.”

With the summit focused on finance reform, Dr. Al Jaber attended a roundtable on private capital

mobilisation, hosted by Ajay Banga, President of the World Bank Group; Mark Carney, Co-Chair for Glasgow Financial Alliance for Net Zero and UN Special Envoy on Climate Action and Finance; and Kristalina Georgieva, Managing Director of the International Monetary Fund.

At the roundtable, Dr. Al Jaber said, “Climate finance is nowhere near available enough, accessible enough and affordable enough – especially for countries in the Global South. To make finance more available, we need to figure how to attract much more private capital into the investment pool. Private capital is the force multiplier that can really change the game when it comes to effective climate finance.”

He continued: “To make financing more accessible, we need to simplify, speed up, and standardise access to climate funds across international



financial institutions and specialised funds. And to make finance more affordable, we must drive transparency and price discovery. We must give all market participants the tools and mechanisms that narrow the gap between perceived risk and actual risk when it comes to investing in emerging and developing economies. We need to shift the narrative that views climate finance as a burden and recognises it as an economic opportunity.”

Following a roundtable on Voluntary Carbon Markets, Dr. Al Jaber said, ““Voluntary carbon markets have the potential to be a powerful enabler in financing decarbonisation efforts across industries, cities and entire economies, especially in emerging and developing economies. In order to achieve their potential, we must enhance the credibility of carbon markets and ensure that the highest-integrity standards are firmly in place. This can only be done through

collaboration between governments, organisations, and civil society to create a supportive regulatory environment, establish a level playing field, and raise universal standards.”

He also attended a session hosted by the Forest and Climate Leaders’ Partnership, focused on forestation and nature conservation.

Over the course of his trip, Dr. Al Jaber also held private meetings with numerous industry leaders including Anne Tvinnereim, Norwegian Minister of International Development; Patrick Pouyanne, CEO of Total; Catherine MacGregor, CEO of Engie; Agnes Pannier-Runacher, French Minister of Energy Transition; Larry Fink, CEO of Blackrock; Bruno le Maire, French Minister of Economy and Finance; and Madame Colonna, French Minister of Foreign Affairs.

UAE University Launches COP28 Roadmap

The United Arab Emirates University (UAEU) has launched its strategic plan of action leading up to the meeting of the 28th Conference of the Parties (COP28) to the United Nations Framework Convention on Climate Change.

Speaking at the launch, Zaki Nusseibeh, Cultural Adviser to the UAE President and UAEU

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Chancellor, highlighted the pivotal role that UAEU plays in advancing the nation's strategic aims in the domain of sustainable development. He confirmed that the UAEU Roadmap to COP28 and Beyond will encourage efforts in line with the UAE Net Zero by 2050 strategic initiative and the COP28 agenda.

The roadmap has three major themes: Research and Innovation, Youth Empowerment, and Local and International Partnerships. Work under these themes falls under thirty-five initiatives with measurable outcomes and has not only already started but will continue after COP28. The focus of the initiatives is sustainable energy, waste reduction, and the reuse of natural resources.

In her speech, Mariam bint Mohammed Almheiri, Minister of Climate Change and the Environment emphasised that the youth can play a significant role in the UAE's journey towards mitigating

climate change and creating a sustainable future through science, innovation, and creativity. She highlighted that the COP28 conference is an opportunity for governments, organisations, universities, scientists, and businesses to share their visions and experiences on how to make the world more sustainable.

She said, "The United Arab Emirates University's roadmap for COP28 reflects a real step towards integrating youth and scientific research in efforts to address climate change at all levels. Using your knowledge, skills, and creative minds, you can provide exceptional solutions in various sectors, from supporting renewable energy sources and sustainable transportation to ending hunger worldwide and ultimately changing societal habits and behaviours to make the world more sustainable, developed, and prosperous."

UAE Launches Sustainable Fintech Pledge

The Ministry of Climate Change and the Environment (MOCCA), and the Middle East and North Africa Fintech Association (MFTA), have announced the launch of the Sustainable Fintech Pledge. This is aimed at integrating sustainability principles into the operations of FinTech companies and to contribute to a more resilient and prosperous future.



The pledge was launched by the Ministry of Climate Change and the Environment (MOCCA) and the Middle East and North Africa Fintech Association (MFTA)

The Sustainable FinTech Pledge aligns with the response of the MENA FinTech Association to the climate crisis, in line with the UAE Net Zero by 2050 strategic initiative.

The pledge was launched at the headquarters of the Ministry of Climate Change and the Environment, in the presence of Mariam bint Mohammed Almheiri, Minister of Climate Change and the Environment, and Namir Khan, Chairman of MFTA, along with representatives from the Ministry and the Association.

Almheiri said, "The Sustainable FinTech Pledge is a tangible demonstration of the transformative power of technology in achieving sustainable development. It reflects our commitment to building a more sustainable and resilient future as we prepare to host COP28 and celebrate the Year of Sustainability."

The pledge aims to support fintech firms in the Middle East on their sustainability journeys by helping them to integrate sustainability principles into their operations



"Through enabling green finance, we aim to build businesses that strive for sustainable economic development while establishing projects that fulfil the UAE's climate and environmental commitments, leading to achieve the goals of the UAE Net Zero by 2050 strategic initiative. We invite more companies and financial institutions in the country to join this pledge," she added.

Signatories of the pledge including Abu Dhabi Global Market, Dubai International Financial Centre, BPC, and others, commit to five core principles: embedding sustainability in business operations, maintaining transparency and accountability, inspiring change beyond organisational boundaries, unlocking climate innovation in finance, and encouraging the development of sustainable fintech products and services.

For his part, Nameer Khan commented, "The

Sustainable Fintech Pledge is an ambitious yet achievable initiative. By joining forces, we strongly believe that fintechs have the power to drive a bold change in reducing environmental impact. Actions can be taken at the core by embedding sustainability in how they design technologies for the financial world."

MENA Fintech Association is a non-profit association that fosters an open dialogue for the MENA Fintech community, shaping the future of financial services in the region. The Sustainable Fintech Pledge is an integral part of MFTA's broader sustainability strategy, which includes an extensive sustainability programme, the Sustainable Fintech Alliance (SFA), and collaborations with institutions such as the London Institute of Banking and Finance and the Edinburgh Business School.

UAE: Cutting Emissions Requires Holistic Ecosystem

During London Climate Action Week 2023, COP28 President-Designate Dr. Sultan Al Jaber stressed that cutting emissions by 43% in the next seven years requires a holistic ecosystem that connects policy, technology, finance, and people, and supportive policies to stimulate the adoption of clean energies and incentivize decarbonization. "We obviously need to apply the latest technologies rapidly and at



COP28 President-Designate collaborates with British stakeholders to develop policies to enable greater climate investments during London Climate Action Week 2023

scale," said Dr. Sultan Al Jaber, the UAE Minister of Industry and Advanced Technology and stressed the significance of "finance and lots of capital across the world, and particularly in emerging and developing economies."

He added: "A critical success factor is people. We need capacity building and skills development to train young people for the jobs of the future. Because we must deliver climate action and socio-economic opportunity at the same time."

During his visit, Dr. Sultan Al Jaber collaborated with the UK Government on policies which enable greater climate investments. He galvanized investors to fund climate technology and consulted with youth climate advocates to help shape the COP28 agenda. He met with a wide range of key stakeholders including H.M. King Charles III, the Secretary of State for Energy

At the London Climate Action Week 2023, Dr. Al Jaber emphasized the need for the voices of young people to be included at COP28



Security and Net Zero, the Rt Hon. Grant Shapps MP, and Minister of State for Overseas Territories, Commonwealth, Energy, Climate and Environment, the Rt Hon. Lord Zac Goldsmith.

Dr. Sultan Al Jaber also held meetings with UK Ministers to discuss key initiatives and areas for collaboration ahead of COP28. He also visited Octopus Energy and discussed with its founding CEO, Greg Jackson, the latest technologies that support the rollout of renewable energy and storage solutions, improve energy efficiency, and help in the race to net zero.

Masdar, the UAE's world-leading renewable energy company, has committed to invest £1 billion in British battery storage, following its acquisition of Arlington Energy. Masdar has partnered with Octopus Energy to license its groundbreaking technology platform, Kraken, to

manage its battery portfolio. The platform aims to manage 100,000 devices and 6GW of energy capacity by the end of 2023.

Attending a roundtable with university students and young climate advocates, the COP28 President-Designate said "Your generation is critical, because you will inherit some of the greatest challenges of climate change and will also provide many of the solutions. Your perspectives must be heard. And you must be empowered to make a difference."

He also restated his commitment to making COP28 the most inclusive COP ever, by providing "opportunities for youth who have never been included in the process and that come from countries which have seen climate disasters firsthand" through initiatives like the Youth Climate Delegates Program.

RTA Showcases Self-Driving, Sustainable Transport Initiatives In Barcelona

Dubai's Roads and Transport Authority (RTA) participated in the 64th UITP Global Public Transport Summit held in Barcelona, Spain, in the presence of 1,900 delegates from 100 countries.

More than 300 speakers were part of 85 discussion panels that discussed the latest ideas and vision of urban and sustainable



From aerial taxis to delivery robots, the innovative transport solutions coming up in Dubai were on display at the 64th UITP Global Public Transport Summit in Barcelona organised by the International Association of Public Transport

mobility. On the sidelines of the summit, at an exhibition of the International Association of Public Transport (UITP) that hosted 15,000 visitors, RTA showcased its latest public transport and sustainable projects and initiatives about self-driving transport and smart technology-driven services through its stand. Examples included the Digital Twinning of Railways in Dubai Metro relating to trains' infrastructure and the contribution to a higher operational value, and faster maintenance and decision-making operations.

RTA's stand displayed the Aerial Taxi project undertaken in cooperation with Skyports and Joby companies. The project is projected to be operational by 2026, positioning Dubai as the first city in the world to have a sophisticated network for vertical take-off and landing. The stand also featured the Yandex experience with

The summit, held under the theme, Bright Light of the City, focused on providing smooth and safe transport through integrated transport networks



Talabat for the transportation of goods, and the launch of delivery robots that operate using autonomous vehicle technology.

It also exhibited digital cards through the nol Pay app for smartphone users in the UAE usable as a means of payment for various transit means, and the S'hail Smart app, which facilitates the planning of public transport journeys in Dubai.

The summit, held biennially, brings together transport specialists worldwide and showcases the latest technologies of infrastructure, artificial intelligence, and sustainability.

Speaking at the opening session of the summit, Mattar Al Tayer, Director General, Chairman of the Board of Executive Directors of RTA, stressed Dubai's commitment to boosting sustainable and innovative transport across all public and shared

transport means. Raquel Sánchez Jiménez, Spanish Minister for Transport, Mobility and Urban Agenda; Khalid Al Hogail, President of UITP; and Ada Colau, Mayor of Barcelona, Spain, attended the opening.

"Dubai Government has invested more than 37 billion euros (AED146 billion) in upgrading the infrastructure of roads and public transport networks over the past 18 years to ensure smooth and sustainable transport for Dubai's residents and visitors. Dubai's integrated public transport modes form the backbone of people's mobility around Dubai.

"The network succeeded in leveraging the proportion of public and shared transport from 6 percent in 2006 to as much as 19.4 percent in 2022, and the plan is to push it further to 25 percent by 2030," Al Tayer commented.



Al Tayer explained that since inception in September 2009, the Dubai Metro has transported over 2 billion riders with an impressive 99.7 percent punctuality rate.

“Dubai has ambitious plans aligned with the United Nations' sustainable development goals, particularly carbon emissions, and the objectives of the forthcoming Conference of the Parties (COP28), to be hosted by the UAE this year. Our pledge to sustainable mobility is also illustrated by the Dubai Urban 2040 Plan. This people-centric strategy is built on a host of key pillars namely the integration of land use, transport planning, the use of sustainable transportation and the 20-minute city concept,” he explained.

Dubai, a Global Pioneer

“Innovative mobility is another key area where RTA is endeavouring to boost the pioneering

standing of Dubai in the field of self-driving transport. This included trials of various autonomous vehicles, aerial taxis, and marine transport modes. Such efforts echo Dubai's strategy for smart self-driving transport aimed to transform 25 percent of the total mobility journeys in Dubai into driverless journeys using diverse forms of transport by 2030,” said Al Tayer.

“RTA has made significant progress towards realising this strategy. As of 2022, over 10 percent of total trips in Dubai had transformed to driverless modes, primarily through the Dubai Metro's driverless operations. By end of 2023, we will introduce Cruise autonomous vehicles to provide taxi and e-hail ride services. This launch will mark Dubai as the first city outside the United States to commercially operate this company's autonomous vehicles,” he added.

BEEAH Group, Karcher Strengthen Collaboration In Waste Management Solutions

BEAAH Group, the region's leading sustainability and digitalisation expert, and Karcher, a global leader in cleaning technology, have entered into an agreement to collaborate across multiple projects and areas of interest that aim to maintain a cleaner city environment and improve the overall quality of life of residents across the region. The two entities signed a Memorandum of Understanding

UAE NEWS



(MoU) to enhance their strategic collaboration in key areas of technology enhancements, such as robotic cleaning solutions.

Joe Lahoud, Managing Director of Karcher Middle East, Khaled Al Huraimel, Group CEO of BEEAH Group, and Fahad Shehail, Group COO, attended the MoU signing which took place at BEEAH Headquarters.

Under the terms of the MoU, Karcher will be the preferred partner in the supply of equipment for large sweepers for BEEAH's municipal contracts. The collaboration will enable BEEAH Group to leverage Kärcher's cutting-edge cleaning technology to enhance waste management operations and maintain the highest standards of cleanliness in public spaces.

Khaled Al Huraimel, Group CEO of BEEAH Group, said: "This MoU signifies our commitment to

enhancing waste management practices and elevating the cleanliness standards in our communities. Kärcher's advanced cleaning technology and expertise will undoubtedly contribute to our mission of creating a sustainable and cleaner environment."

This collaboration between Karcher and BEEAH Group aims to drive innovation and efficiency in waste management practices, further advancing the sustainable development goals of the UAE.

This MoU marks an important milestone in the ongoing collaboration between Karcher and BEEAH Group and paves the way for groundbreaking initiatives in the field of waste management and environmental sustainability. The agreement will cover not only the UAE, but Egypt and KSA where BEEAH also operates.

MOCCA Hosts 3rd National Dialogue For Food Security

The Ministry of Climate Change and the Environment held the third session of the “National Dialogue for Food Security” under the theme “Transitioning to Sustainable Food Consumption Patterns”.

The event covered the challenges and opportunities in enhancing food security in the UAE by facilitating constructive dialogue and



The Ministry of Climate Change and the Environment hosted the session under the theme “Transitioning to Sustainable Food Consumption Patterns”

discussion between stakeholders, covering both public and private sectors, to achieve inclusive, equitable and sustainable food systems and consumption patterns.

In a collaborative effort with the United Arab Emirates University (UAEU) and HealthyPath, a consultancy with expertise in food sustainability and nutrition policies, the event took place in the SEE Institute building. This facility, which is dedicated to sustainability research and education, is situated within the Sustainable City in Dubai.

The event was attended by Mariam bint Mohammed Almheiri, Minister of Climate Change and the Environment; Mohammad Saeed Al Nuaimi, Acting Under-Secretary of the Ministry; and Mohammed Mousa Alameeri, Assistant Under-Secretary of the Food Diversity

Discussions were held on sustainable food consumption patterns, policy and education opportunities, and the transition to sustainable healthy food systems



Sector at the Ministry, as well as a number of representatives from government and private organisations, academic and social institutions, industrial associations, youth groups, civil society, national and private sector farms.

During her speech, Almheiri said, “The upcoming UN Climate Change Conference (COP28) provides a historic opportunity for world leaders to share knowledge and collaborate to combat climate change. This year, food security and the pathways to more sustainable food consumption will be among the key topics of discussion, as climate change is closely linked to food security, affecting food availability, accessibility, and stability.”

She added, “The food industry, intertwined with various activities like agriculture, transportation, storage, and the entire food value chain, can significantly contribute to environmental

preservation. However, the challenges of desertification and water scarcity due to climate change profoundly affect this sector, resulting in a decline in agricultural and food production.

“To maintain equilibrium, we must embrace a more sustainable approach in managing the food sector and reduce its emissions, which stand as the world's second-largest emission source. It is also imperative that we transform our food systems to be more sustainable by prudently managing our food consumption, safeguarding our livestock, bolstering biodiversity, minimising food waste, and diversifying our food sources.”

“The National Dialogue for Food Security represents an opportunity for all of us, as partners, to create a comprehensive vision for enhancing our national food security, considering our food needs, and adopting more sustainable



and climate-smart technologies and systems. By achieving our food objectives and contributing to global efforts to address climate change by reducing carbon emissions from the food and agriculture sector, we have a great opportunity to create an experience from which the world can benefit and build a sustainable, secure, and hunger-free future," Almheiri explained.

Mohammed Mousa Alameeri said, "Researching food consumption patterns, behaviour, and the environmental footprint of the UAE's food system is a key empowering factor for us to design future policies and programmes. Accelerating awareness and education regarding nutrition will promote the acceptance of healthy and sustainable food products."

The Chairman of the SEE Institute Engineer Fares Saeed stated, "Our goal is to accelerate and

intensify climate action through education, research and development. By hosting this event, we hope to contribute to providing an effective platform for knowledge exchange, sharing experiences and best practices among all stakeholders to ensure the best solutions to enhance national food security. We aim to present an inspiring model of our experience in the Sustainable City Dubai, which has worked on bridging the food gap, relying on indoor and vertical farming solutions, promoting urban farming, and combating food waste."

In a joint statement, the UAEU and HealthyPath affirmed that the shift towards sustainable and healthy food consumption patterns represents a significant opportunity to mitigate and adapt to climate change in the UAE while promoting public health at the same time.

Partnership To Encourage Recycling Of Single-Use Plastic Bottles

The Environment Agency – Abu Dhabi (EAD) has partnered with Aldar Properties to encourage a culture of recycling single-use plastic bottles.

As part of its sustainability activities, Aldar will take over eight large Big Zero installations, making it easier for community members to dispose of their single-use plastic bottles, which



are then sent for recycling.

The Big Zero installations were first introduced by EAD during the Abu Dhabi Hunting and Equestrian Exhibition (ADIHEX) last year. These new installations will be placed in eight locations within the Aldar portfolio that experience high footfall, including Abu Dhabi's largest shopping destination, Yas Mall.

Installations will also be present in several Aldar residential communities, such as Gate and Arc Towers on Reem Island, Al Muneera, Al Zeina, and Yas Acres, as well as Aldar Education's Al Yasmina, Al Bateen and Al Mamoura Academies.

EAD and Aldar are planning to launch an awareness campaign on social media to inform the public regarding the location of the Big Zero installations. The real estate developer and manager has been a prime supporter of EAD's

Mission to Zero campaign, which was launched in June of last year. Mission to Zero outlines an aspirational target of zero single-use plastic, zero waste, zero emissions and zero harm to biodiversity in the emirate of Abu Dhabi.

Ahmed Baharoon, Executive Director of Environment Information, Science Outreach Management Sector at EAD, highlighted successful partnerships with the private sector, particularly Aldar, in executing environmental campaigns. Salwa Al Maflahi, Director of Sustainability and CSR at Aldar, emphasised the company's commitment to enhancing community well-being and protecting UAE's biodiversity.

To date, EAD has collected approximately 1,500 kilogrammes of single-use plastic bottles through the Big Zero installations, which were dispersed across Abu Dhabi.

UAE Shares Journey In Enhancing Air Quality

In line with the UAE's Year of Sustainability, a delegation from the Ministry of Climate Change and Environment (MOCCAE) showcased expertise in enhancing air quality and effectively reducing pollution at the Climate and Clean Air Conference 2023 in Bangkok.

During the event, which attracted international experts and decision-makers, the delegation



A delegation from the Ministry of Climate Change and Environment (MOCCAE) showcased UAE's expertise at the Climate and Clean Air Conference 2023 in Bangkok

shed light on the National Air Quality Agenda 2031, as well as the UAE's significant efforts and initiatives towards improving air quality and reducing air pollution.

Aisha Mohamed Abdullah Al Abdooli, Director of Green Development Management at the Ministry, highlighted the country's launch of the UAE Air Quality Index (AQI). This tool displays the real-time air quality status of the country and monitors it using satellite technology. The National Air Quality Platform, which receives data from 31 monitoring stations across the various emirates, serves as a singular reference point for real-time air quality in the country, providing the community with the information they need to avoid areas of high pollution.

The delegation also spotlighted the National Air Quality Agenda 2031, which provides a general

The UAE Air Quality Index displays the real-time air quality status of the country and monitors it using satellite technology



framework to lead and align federal and local government entities and the private sector concerning monitoring and effectively managing air quality and reducing air pollution to contribute to a healthy and safe environment. The delegation pointed out that the National Air Quality Agenda will contribute to balancing initiatives to improve air quality and initiatives included in the Nationally Determined Contributions (NDCs) to mitigate the impacts of sectors producing air pollutants and greenhouse gas emissions.

The Clean Air and Climate 2023 Conference discussed several key climate and air quality topics and reviewed the latest insights, developments, and best innovative solutions to address air pollution and its impacts on climate change. The sessions at the event also discussed technological and industrial solutions for air quality management, success stories and clean

air priorities, integrated planning topics and cooperation among stakeholders, scientific bases and best practices to support policies, promoting a pollution-free economy, and raising awareness towards this issue.

On the sidelines of the conference, a delegation from MOCCAIE attended a meeting with the Climate and Clean Air Coalition board, which the UAE joined this year, making it the first Middle Eastern country to join and participate in the board meetings. The board is responsible for making decisions on behalf of the Coalition and presenting reports at each annual conference.

Al Abdooli said, "As a Board member, the UAE can determine the strategic directions and future funding decisions of the Alliance, enhancing the country's efforts to reduce harmful emissions."

UAE, Egypt Advance Development Of Africa's Biggest Wind Farm

Abu Dhabi Future Energy Company PJSC – Masdar, along with Infinity Power, Africa's largest renewable energy developer, and Hassan Allam Utilities, a sustainable infrastructure focused investment platform, have signed an agreement with Egypt's New and Renewable Energy Authority to secure land to build a 10-gigawatt (GW) capacity onshore wind farm in Egypt, set to be one of the largest in the



A group of companies, including Abu Dhabi's Masdar, sign agreement with Egypt's New and Renewable Energy Authority to secure land for a USD10 billion wind farm

world, with a project value of over USD 10 billion.

The signing in Cairo was witnessed by Egyptian Prime Minister, HE Moustafa Madbouly; HE Dr. Sultan Al Jaber, UAE Minister of Industry and Advanced Technology; HE Dr. Mohamed Shaker El-Markabi, Minister for Electricity and Renewable Energy; Mohamed Jameel Al Ramahi, CEO of Masdar; Nayer Fouad, CEO of Infinity Power; and Hassan and Amr Allam, CEO of Hassan Allam Holding.

The landmark wind project will produce 47,790 GWh of clean energy per year and reduce around 9 percent of Egypt's annual carbon emissions by displacing 23.8 million tonnes of carbon dioxide annually. The wind farm will also help Egypt meet its strategic objective of sourcing 42 percent of its energy from renewables by 2030. The 10 GW plant will save Egypt an estimated USD 5 billion in natural gas costs a year.

The wind farm will produce 47,790 gigawatt hours of clean energy annually and offset 23.8 million tonnes of carbon dioxide emissions



The original agreement to develop the 10 GW wind farm was signed between Masdar, Hassan Allam Utilities and Infinity Power and the Egyptian Electricity Transmission company at COP27 last year.

Dr. Sultan Al Jaber, UAE Minister of Industry and Advanced Technology, Chairman of Masdar and COP28 President-Designate, said: “This 10GW onshore wind project is a sign of the strong partnership between the UAE and Egypt, with great potential to create jobs, cut emissions and power homes with clean electricity at competitive economical costs.

“The world needs to triple renewable energy capacity by 2030 to meet the goals of the Paris Agreement. Projects like these will support the global efforts to reduce the impact of climate change and help keep the ambition of 1.5 intact.”

Dr. Mohamed Shaker Al-Markabi, Minister of Electricity and Renewable Energy in Egypt, said: “Renewable energy in Egypt has the potential to attract direct foreign investments, and the country has comparative advantages in terms of the land available which is necessary to produce a huge volume of electricity from renewable resources.”

In March, Masdar became the largest operator of renewables in Africa after its joint venture with Egypt's Infinity to form Infinity Power which acquired Lekela Power, a renewables developer with operations across the continent. Masdar also demonstrated its commitment to African nations by signing deals to develop renewable energy projects with a combined capacity of up to 5 GW in Angola, Uganda, and Zambia, in January.

Dnata Announces Solid Progress And New Global Green Initiatives

On World Environment Day in June, dnata, a leading global air and travel services provider, renewed its pledge of reducing its carbon footprint and waste to landfill by 20 percent by 2024 as part of its two-year green operations strategy.

The company's recent key initiatives include continued significant investment in



To commemorate World Environment Day, dnata, renews pledge to reduce carbon footprint and waste to landfill by 20% by 2024

infrastructure, green ground support solutions and process improvement.

In June 2022, dnata had announced plans to invest USD100 million in green operations in two years to further enhance its global environmental efficiency globally.

Investing in renewable energy

As part of its efforts to further improve global resource efficiency, dnata has continued to make significant investments in renewable energy. This includes the installation of rooftop solar power systems across its existing facilities.

dnata has installed solar panels at its operating facilities in Singapore, and at its SnapFresh facility in Australia. These generate over 4,300 MWh of renewable electricity annually, saving approximately 1.85 million kgs of carbon dioxide

Dnata continues to make significant investments in infrastructure, green ground support solutions and process improvement



emissions. Phase 1 of a solar PV panel installation in Pakistan also commenced, which is expected to generate 244,000 kWh per annum.

Furthermore, all electricity purchased in the UK and Ireland is from renewables from local grids.

Conserving water

In addition to solar power, dnata is investing in systems to collect and re-use condensate from air conditioning units and rainwater at both of its existing and new facilities. These initiatives optimise water usage and associated costs.

dnata's new 20,000 sqm cargo facility in Iraq, which will begin operations in 2024, will include environmentally sustainable features including a rooftop rainwater harvesting system. This will capture, treat and store rainwater in underground tanks, feeding irrigation systems within the

facility as well as for potable uses, achieving a 50 percent saving on water costs by 2025. The system has also been configured in the Philippines using the same technology, but to collect and recycle rainwater for drinking and washing purposes. This technology will also shortly be implemented at dnata's Singapore facilities.

With the UAE's dry climate, dnata has installed a Reverse Osmosis Plant to re-use condensate water from the cooling systems in its cargo warehouses in Dubai. This has resulted in 5,000 litres of water per day being reused for washing and cleaning.

dnata also launched a bottle-free drinking water system at its Corporate Headquarters, dnata Travel Centre and Alpha catering facilities, which will reduce plastic consumption and conserve over 95,000 litres of bottled water per year.



Transforming GSE fleet and using biofuels

dnata continues to invest in the electrification of its ground handling fleet, and the use of biofuels where feasible, to reduce emissions. More than 15 percent of the company's global fleet is now electrified. dnata is continuing to support its global airport partners to prepare the infrastructure for further electrification.

dnata understands that electrification is not the only solution to its ground handling fleet strategy. It carefully considers airports' climatic conditions and available infrastructure, and invests in a mix of equipment types, including biodiesel, electric, hydrogen and hybrid to maximise environmental and operational efficiency globally.

As part of the crucial role that it plays during busy winter operations in Switzerland, dnata added five new hybrid de-icing trucks to its ground

support equipment (GSE) fleet in 2022. This increased the number of electric GSE in its operations in the country to 35 percent. In The Netherlands, dnata switched to 100 percent biofuel for all its legacy GSE fleet in January 2023, marking another milestone in its sustainable journey in Amsterdam, where 55 percent of its fleet is electric.

Reducing waste to landfill

In order to reduce its carbon footprint in ways other than emissions, dnata is determined to reduce waste to landfill, and is collaborating with industry leaders and policymakers on the treatment of international catering waste. In close co-ordination with the airport community to enhance the segregation and retrieval of recyclables airside, dnata is targeting a 20 percent diversion of waste from landfills by 2024. In addition, dnata is investing in sustainable

In 2022, dnata announced plans to invest USD100 million in green operations in two years



solutions for cargo waste materials, such as transport belts and nets that are currently destined for landfill.

dnata Catering's retail division is also working closely with its airline partners and introducing the pre-ordering of passenger inflight meals to cut significant food wastage.

IATA's IEnvA Programme

In December 2022, dnata signed up to the IATA Environmental Assessment (IEnvA) programme, based on globally recognised environmental and sustainability standards. It is a commitment to continually improve environmental sustainability within the aviation field and is focused specifically on dnata's core operations. These include cargo handling facilities, catering, freight forwarders, and ramp handlers. dnata is working towards full certification prior to the end of 2023.

United Nations Global Impact

dnata also joined the United Nations Global Compact (UNGC), a voluntary global initiative that promotes responsible business practices, and the advancement of the Sustainable Development Goals. dnata has committed to implement the Ten Principles of the UNGC in the areas of human rights, labour, environment, and anti-corruption. dnata will benefit from access to the UNGC's extensive tools and resources to engage with its employees across the globe and improve their learning and training in Sustainability.

Established in 1959, dnata offers quality and safe ground handling, cargo, travel, catering and retail services in 38 countries across six continents.

Lotus Eletre: Technology, Performance And Luxury

The Lotus Eletre is a striking and progressive new model, the first of a new breed of pure electric performance SUVs. It takes the core principles and Lotus DNA from 75 years of sports car design and engineering, evolving them into a desirable all-new lifestyle vehicle.

It's aimed at a new generation of Lotus customers; those who value the world-class



The Lotus Eletre is aimed at a new generation of Lotus customer seeking a practical, versatile and spacious family-focused electric hyper-SUV

dynamic performance and striking design which have always been part of the Lotus experience, and who also need a practical, versatile and spacious family-focused vehicle – one that's packed with the latest digital technology to make their driving life safer and more convenient.

The Eletre is a true Lotus. It takes the heart and soul of the latest Lotus sports car – the Emira – and the revolutionary aerodynamics of the all-electric Evija hypercar and reinterprets them as a hyper-SUV. It delivers class-leading ride and handling, steering and aero performance – areas of automotive design and engineering where Lotus has both pioneered and dominated throughout its 75-year history, on road cars and race cars.

The Eletre is the latest in a long line of Lotus Road cars whose name begins with the letter E,

*The most advanced Lotus ever,
Eletre blends comfort, performance
and cutting-edge luxury design with
sustainable materials*



and it means 'Coming to Life' in some Eastern European languages. It's an appropriate link as the Eletre marks the start of a new chapter in the history of Lotus – the first accessible EV and the first SUV.

Three different versions of the car are available – Eletre, Eletre S and Eletre R – with the choice of two powertrains.

Mike Johnstone, Group VP and Chief Commercial Officer, Lotus, commented: "Like every Lotus, the Eletre is first and foremost a car 'For The Drivers'. Its DNA is 100% Lotus, with exceptional dynamic performance. It's also the most advanced Lotus ever, blending that performance with comfort, practicality, versatile space, cutting-edge tech and modern luxury design into a vehicle that brings the Lotus experience to a whole new group of customers for the first time."

A technical tour de force

With the Eletre, Lotus is delivering more innovation, more technology, more capability and more appeal than ever before. Offering a range of up to 600km (373 miles), the convenience of fast-charging from 10-80 per cent in just 20 minutes, and acceleration from 0-100km/h (0-62mph) in a breathtaking 2.95 seconds on the flagship R model, the Eletre takes full advantage of all the benefits electrification can offer and uses them to comprehensively enhance the driving experience.

The effortless, instant torque and all-wheel drive traction delivered by the two electric motors, together with active air suspension, also brings a completely new dimension to Lotus ownership: the ability to carry on driving where the road ends, and to tow up to 2,250kg.



A comprehensive suite of advanced driver assistance systems (ADAS) is also part of the Eletre experience.

Bespoke, multi-material EV architecture

The Eletre was developed on the all-new Electric Premium Architecture (EPA), a highly flexible, modular platform that is bespoke to Lotus. Engineered to maximise the benefits of electrification, EPA features an intelligent mix of advanced materials to deliver the high torsional stiffness and light weight that are fundamental to Lotus dynamics DNA. This approach delivers an overall weight saving of 10 per cent on the complete body structure.

Dual-motor all-electric powertrain

Packaged beneath the vehicle floor is a state-of-the-art, 800-volt, 112kWh Lithium-ion battery pack. Compared to conventional 400-volt

systems, the 800-volt architecture reduces the operating current by half for the same power output. The benefits for the customer are threefold: less weight because smaller diameter cables can be used in the wiring harnesses; enhanced power efficiency and improved thermal management as less heat is generated; and much faster charging.

The battery pack's sophisticated thermal management system and battery control module deliver the ideal operating conditions crucial to both range and durability.

Advanced Driver Assistance Systems

The Eletre is equipped with a full suite of advanced driver assistance systems (ADAS), all designed to enhance safety and make journeys more relaxing. To deliver this, a full complement of state-of-the-art sensors are used: 34 in total,

Powerful, efficient and refined all-electric powertrain delivers the perfect balance of performance, responsiveness and range

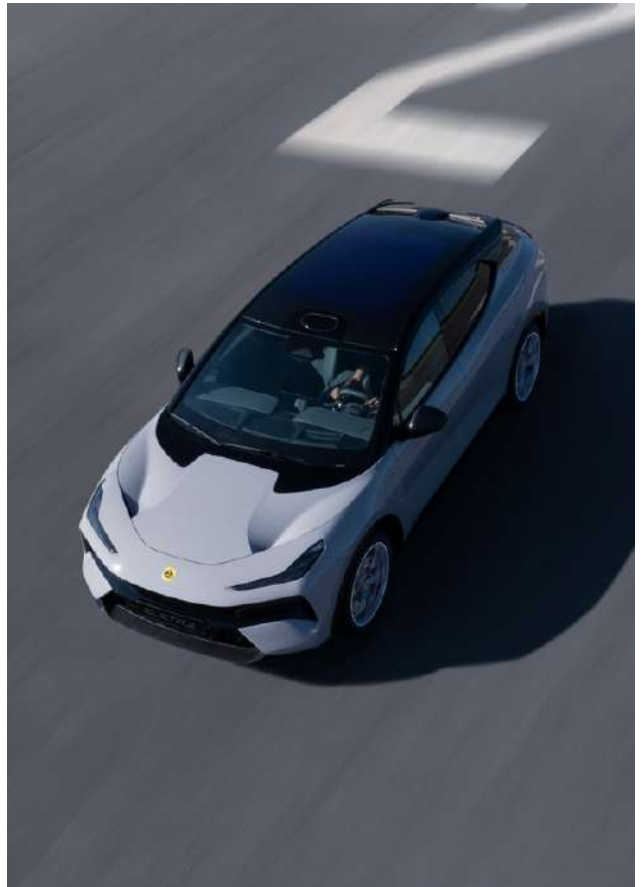


including the four deployable LIDAR, six radar, seven 8MP HD cameras and 12 ultrasonic sensors. All together, they give the vehicle a true 360° view of the world around it.

Interior design: luxurious, spacious

The Eletre takes Lotus interiors to an unprecedented new level. The performance-oriented and technical design is visually lightweight, using ultra-premium materials to deliver an exceptional customer experience.

Sustainability is also a key theme of the interior. A Lotus innovation which makes its debut in the Eletre is the Re-Fibre. A premium textile made from waste fabric from the fashion industry, this material has the softness of cotton, the lustre of silk and the smoothness of hemp, offering a new vision of sustainable luxury. Enhancing comfort, it also offers better air permeability than pure



cotton. Offering a weight saving compared to leather, it also reduces consumption of raw materials and reduces CO2.

Customers can also choose Ultrafabric polyurethane seats. This material offers a technical finish and is half the weight of leather, which is perfectly aligned to the Lotus ethos of lightweighting. There's also Alcantara: this microfibre material has been carbon neutral since 2009, and the material offered in the Eletre has been offset to zero carbon footprint. Carpets are made from Econyl – a material made from 100% post-consumer waste which is also fully recyclable.

DP World Advances Electrification Projects In Brazil

DP World is accelerating its adoption of renewable energy at the Port of Santos, Brazil's leading multipurpose private terminal, as a vital step in its global strategy to achieve carbon neutrality by 2040.

The initial phase focuses on replacing diesel fuel with electric power for the Santos terminal's Rubber Tyred Gantry (RTGs) container handling



Adoption of renewable energy is part of DP World's global effort to create a more sustainable future for port operations

cranes. A total of 22 diesel-fueled units will be electrified, by the end of next year, with an investment over USD16.2 million.

The first RTG machine in the fleet already operates sustainably on 100 percent electric power and by the end of 2023, another four machines will be converted.

The electrification process works through a system of overhead cables similar to electric buses. Applying this innovative technology to RTGs will not only reduce the terminal's diesel consumption by up to 60 percent.

Fábio Siccherino, CEO of DP World Santos, said, "The conversion of the RTGs is a critical step in our decarbonization efforts and aligns with our overall focus on sustainability. In addition to improved environmental care and climate

The RTG electrification project is part of a global sustainability strategy titled "Our World, Our Future"



performance, this change is also expected to bring additional operational benefits, as the technology offers low maintenance costs, increased productivity of the RTGs, and improved equipment reliability."

Mohammed Al Muallem, DP World's Executive Vice President of International Projects, met with Geraldo Alckmin, Vice President of Brazil in Brasilia to discuss cooperation and DP World's planned investments at the Port of Santos.

DP World is already investing USD35 million this year to expand and modernise its facilities. The company has an additional 130,000 square meters available for expansion in the port area and has been working intensively on cargo diversification and developing logistical solutions that serve the entire international trade chain.

The Santos terminal is already one of the largest

and most modern private multi-purpose port terminals in the country. The expansion will increase annual container handling capacity from 1.2 million TEUs to 1.4 million TEUs and expand the size of the quay from 1,100 metres to 1,300 metres. This is DP World's third round of investment since it began operations in July 2013, ensuring port capacity remains ahead of growing demand.

The RTG electrification project is part of a global sustainability strategy titled "Our World, Our Future," which guides and directs DP World's responsible actions globally. Under the strategy, DP World will adopt renewable energy sources for all its port equipment across the 75 countries where it operates.

Last year, Chairman and Group CEO Sultan Ahmed bin Sulayem announced that the company intends



to invest up to USD500 million to reduce global carbon emissions from its operations by nearly 700,000 tonnes over the next five years. It has already cut direct carbon emissions from its global operations by 5 percent in 2022, according to its latest ESG report.

DP World Santos became the first port terminal in Brazil to no longer send waste to landfills after implementing the Zero Landfill project last year. Instead, all waste generated at the terminal is either recycled or converted into sustainable energy for industrial activities. Since the beginning of the project, over 479.40 tonnes of solid waste have been diverted from landfills.

DP World Santos has also invested over 12 million Brazilian reais (USD2.4 million) in more than 30 projects focused on the region's fauna and flora. It has also rescued over 35,000 plants and seeds,

with biomass and plant waste reuse, and monitored coastal dunes and mangroves. This is alongside the monitoring and management of terrestrial fauna in the region where the terminal was built, aiming to preserve species in locations authorized by Brazilian Institute of Environment and Renewable Natural Resources, and the conservation of over 50 hectares of mangroves and coastal dunes in the surrounding area.



'Food Standards Save Lives, Transform Global Agrifood Systems'

Food standards save lives by playing a crucial role in preventing food borne illnesses – that was the main message at a high-level hybrid event organised by the Food and Agriculture Organization of the United Nations (FAO) and the World Health Organization (WHO).

The event, celebrating the fifth edition of World Food Safety Day noted that more than 1 in 10



people fall sick each year from contaminated food, and 420,000 die. The young and the vulnerable are disproportionately affected by the 200 different foodborne diseases that result from unsafe food, most of which are preventable.

The event was opened by the Directors-General of FAO, QU Dongyu, and WHO, Tedros Adhanom Ghebreyesus, and brought together ministers and experts to discuss the use and impact of Codex standards and the role of science in setting food safety standards and transforming our agrifood systems to ensure sufficient, safe, nutritious, and sustainably produced food for every person.

“FAO recognizes the crucial role of food standards to ensure food safety, to help protect human health, and to facilitate fair practices in food trade, especially as food trade continues to grow.

Food can only be safe if every person involved in its production, distribution and preparation ensures its safety,” said QU Dongyu.

Through the Codex Secretariat, FAO and WHO provide its 189 Members with science-based safety standards, like those for food additives, pesticides residues or guidelines for dealing with foodborne antimicrobial resistance.

Also, to mark World Food Safety Day 2023, FAO launched a toolbox designed to help all those operating in the food sector adhere to international food hygiene standards.

World Food Safety Day has been celebrated annually by the UN since 2019 and inspires action to help prevent, detect, and manage foodborne risks, contributing to food security, human health, and sustainable development.

Gothenburg, Sweden: Greenest City on Earth

In the vibrant heart of Scandinavia lies Gothenburg, Sweden's second-largest city and ranked first in the Global Destination Sustainability Index, six times in a row. Home to world-class restaurants, diverse cultural scenes, sustainable living, and surrounded by beautiful nature, the city earned recognition as the world's most sustainable destination for the numerous ways it deals with sustainability issues and



Gothenburg is a green city, in part, thanks to its closeness to forests and parks, but also on account of its compact layout and plentiful public transportation, 65% of which runs on renewable energy

provides a roadmap for other countries to follow suit.

Since the mid-1980s, residents and local government have been steadfast in their efforts in investing in sustainability to reinvent the city's reputation as a dreary, decaying port dogged by pollution. Improving air and water quality played a key role in Gothenburg's transformation and so, naturally, sustainability became a factor fused into every aspect of daily life.

With a vision of being fossil-independent by 2030, the city has taken strides to ensure smart accessibility and mobility with 95 percent of public transport running on renewable energy. The city is in the process of developing the Gothenburg Green City Zone, a zero-emission transportation system for a large section of the central city. Under its vision for a sustainable

A staggering 92% of all accommodation options in Gothenburg are eco-certified by regional sustainability organizations



When it comes to addressing climate and environmental issues, Gothenburg is clearly one of the most progressive cities worldwide. It was the first city in the world to issue green bonds to accelerate investments in climate-oriented solutions, including waste management to renewable energy. This has reaped enormous benefits for residents, visitors and businesses alike.

As a city that constantly pushes boundaries in sustainability, Gothenburg has set out an ambitious agenda to become fossil-independent by 2030 and to heavily reduce greenhouse-gas emissions, from traded and non-traded sectors, by 2050. In 2021, Göteborg & Co was one of the signatories of the Glasgow Declaration on Climate Action in Tourism and strives to inspire other destinations and partners within the industry to follow their lead.

With its project Gothenburg Green City Zone, the

tourism ecosystem, approximately 90 percent of hotel rooms are environmentally certified.

Gothenburg, currently celebrating its 400-year jubilee this year, also has a strong legacy program for events and meetings and strives for a more circular economy.

Having placed sustainability at the heart of all its operations, Gothenburg was named the European Capital of Smart Tourism in 2020, alongside Malaga, in recognition of both its eco-friendly and forward-thinking approach to tourism. Lonely Planet also named it the world's Best Sustainable City Stay 2021. In April 2022, Gothenburg became one of the European Union's 100 climate-neutral and smart cities – forerunner cities on a mission towards climate neutrality 2030. Gothenburg is also a European Capitals of Inclusion and Diversity Awards winner.





city tests the transport system of the future with new technology in both vehicles and infrastructure. The goal is for transport within the zone to be completely emission-free by 2030. There are already many alternatives to fossil-driven transports: electric carpools, charging stations for visitors, bike and electric scooter rental services, a taxi-fleet of 90 per cent low-emissions vehicles etc. The city's Landvetter Airport has held the highest level of environmental accreditation – "European Airport Carbon" – since 2011, and the airport shuttle run on rapeseed oil.

The exceptionally strong tradition and spirit of collaboration have defined Gothenburg over the years and have transformed the region into the foremost innovation region in Sweden. Companies, the research community, and the public sector have joined forces to test everything

from new all-electric bus routes to ways in which humans can live more sustainably in the future. The Gothenburg Green City Zone has thus become a testbed where ideas have come to fruition, opening up more rapid and effective ways of making sustainable solutions of the future achievable.

Gothenburg is also home to WIN WIN Gothenburg Sustainability Award, an international prize awarded to role models who have turned words into actions and contribute to a more sustainable future. To preserve its beautiful nature, Sweden has the right of public access giving everyone the freedom to roam the Swedish countryside, put up a tent for the night, or go for a swim in a lake, as long as nature and other visitors are fully respected. To make sure that visitors can enjoy its hidden gem – the Gothenburg archipelago – in a respectful way, the city of Gothenburg made

Beyond parks, Gothenburg boasts an extensive network of cycle paths, as well as a bike share program



the southern islands accessible with public transport and completely car-free.

In addition, almost every hotel in the city has received an environmental diploma. One of Europe's largest hotels, the 1,200-room Gothia Towers for instance, is fuelled entirely by wind power and around 94 per cent of its total waste is recycled. In the kitchens, waste is composted and converted into biogas, which in turn is used to fuel the restaurants' cookers. And hazardous chemicals have largely been removed from the hotel's day-to-day running.

All restaurants in the city that are part of the Taste of Gothenburg association have environmental diplomas or are in the process of certification. All meat that is served by the municipality must be organically farmed.

Gothenburg claims an astounding 274 square



meters (2,950 square feet) of green space per citizen. That translates to loads of urban parkland to visit by foot on a sunny day along the tributaries of wide, leafy avenues, lined by neoclassical architecture. Beyond parks, Gothenburg also boasts an extensive network of cycle paths, as well as a bike share program where the first 30 minutes of use are free.

Climate Shocks Set To Worsen Already Fragile Hotspots: UN

With an estimated 3.5 billion people living in “climate hot spots”, related peace and security risks are only set to heighten, UN Under-Secretary-General for Peace Operations Jean-Pierre Lacroix told the Security Council, warning that action must be taken to avert ever-worsening effects.

Climate shocks are triggering worsening security



The peace and security risks are set to heighten as an estimated 3.5 billion people currently live in “climate hot spots

environments, from Afghanistan to Mali, and UN peacekeeping missions are taking steps to adapt, from reducing their carbon footprint to addressing myriad related consequences.

He noted that the latest Intergovernmental Panel on Climate Change (IPCC) assessment report, showed that climatic and such risks as biodiversity loss and violent conflict will increasingly interact.

At the Security Council’s second formal meeting of 2023 to debate this trend, more than 70 speakers, including former Colombian President and Nobel Prize laureate Juan Manuel Santos, exchanged views on connections between climate change and worsening security.

Climate-security nexus

Providing an overview of current efforts, Lacroix

There is a strong correlation between countries facing fragility and those facing climate change



said that within the past several years, most UN peace operations have faced greater dangers and political challenges.

“Cross-border challenges, environmental degradation, and extreme weather events, amplified by climate change, are increasingly challenging our ability to implement our mandates,” he said. “We already see a strong correlation between Member States facing fragility and those facing climate change.”

Of the 16 countries that are the most climate vulnerable, nine of them host a UN field mission: Afghanistan, Central African Republic, Democratic Republic of the Congo, Haiti, Mali, Somalia, Sudan, South Sudan, and Yemen, he said, emphasising that the majority of UN peace operations are deployed in contexts that are both highly climate exposed and characterised by high

levels of gender inequality. While UN field missions do not hold the “ultimate solution” to climate change, they are “profoundly” affected by its impact, he said.

Dual vulnerabilities

“Our missions witness first-hand the dual vulnerabilities posed by climate change and insecurity,” he said, offering several examples, from Mali to South Sudan.

As such, priority areas for action in UN field missions include investing in capacities to anticipate and address climate and security linkages, reinforcing the mutual benefits of climate action and making environments safer, and making sure the missions do not become part of the problem, he said.

“Guided by the Environmental Strategy for Peace



Operations, the UN is progressively introducing renewable energy solutions, reducing our environmental footprint while also minimising the security risk for fuel convoys," he said.

Renewed efforts

Noting that in 2021 and 2022, six percent of the electricity used by UN peace operations was generated from renewable energy sources, he welcomed such new initiatives as the Nepal-United States partnership to deploy a large-scale solar hybrid system in Rumbek, South Sudan, and the United Arab Emirates and Norway launch of the Energy Compact in Peace Operations.

"The deployment of dedicated capacity on climate, peace, and security in a growing number of field missions has been a game changer," he said. "Integrating climate considerations across their work has strengthened missions' abilities to

implement the mandates given by this Council.

Lacroix said the 2023 UN Peacekeeping ministerial meeting to be held in Ghana in December, will provide additional opportunities to strengthen efforts through the generation of pledges that meet needs, from specialised capabilities to equipping partnerships in such key areas as the environment.

"Together we can build a future where our efforts in conflict prevention, peacemaking, peacebuilding, and peacekeeping reinforce and are complemented by our commitment to addressing the climate crisis," he said.

"Calling on Council members to find common ground, constructive dialogue, and cooperation, he said, there is only one way forward, "Unite, cooperate, or we will all perish".

Annual Renewable Power Must Triple by 2030

In the first volume of the World Energy Transitions Outlook (WETO) 2023 released in June 2023, the International Renewable Energy Agency (IRENA) identifies the way forward to immediately course correct the 1.5°C climate pathway. The report calls for raised global ambition in renewables deployment, enabled by physical infrastructure, policy, and regulations, and underlining institutional and

UAE NEWS



workforce capabilities.

The 'WETO 2023: 1.5°C Pathway' positions electrification and efficiency as key transition drivers, enabled by renewable energy, clean hydrogen, and sustainable biomass and tracks implementation across all energy sectors. According to the latest edition, some progress has been made, mainly in the power sector with record additions in global renewable capacity of 300 gigawatt (GW) in 2022. However, the gap between what has been achieved and what is required continues to grow.

More ambitious renewable energy targets are needed; the world must add an average of 1,000 GW of renewable power capacity annually by 2030, as well as significantly increase the direct use of renewables in end-use sectors.

IRENA's Director-General Francesco La Camera

said: "To be on track to deliver on the Paris Agreement, our only option is to follow the most promising, science-based pathway one that puts renewable energy at the centre of the solution, while leading countries to energy security, reduced energy costs, and forward-looking industrial development. The energy transition must become a strategic tool to foster a more equitable and inclusive world."

Focusing on the enablers of a renewables-dominated system can help address the structural barriers hindering progress in the energy transition. WETO has identified that getting the 1.5° pathway back on track requires addressing the following barriers: lack of physical infrastructure, absence of enabling policies and regulations, and misalignments in skills and institutional capacity.

EAVS
ROESTTP
RTCEPTO

ANSWERS: 1. 1) PROTECT, 2) TREES, 3) PROTECT, 4) SAVE, 5) MANAGE, 6) WILDLIFE, 7) WATER, 8) RECYCLE

Word
Search

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CLEAN

CARBON

DISPLACE

WHALES

ADAPT

RENEWABLE

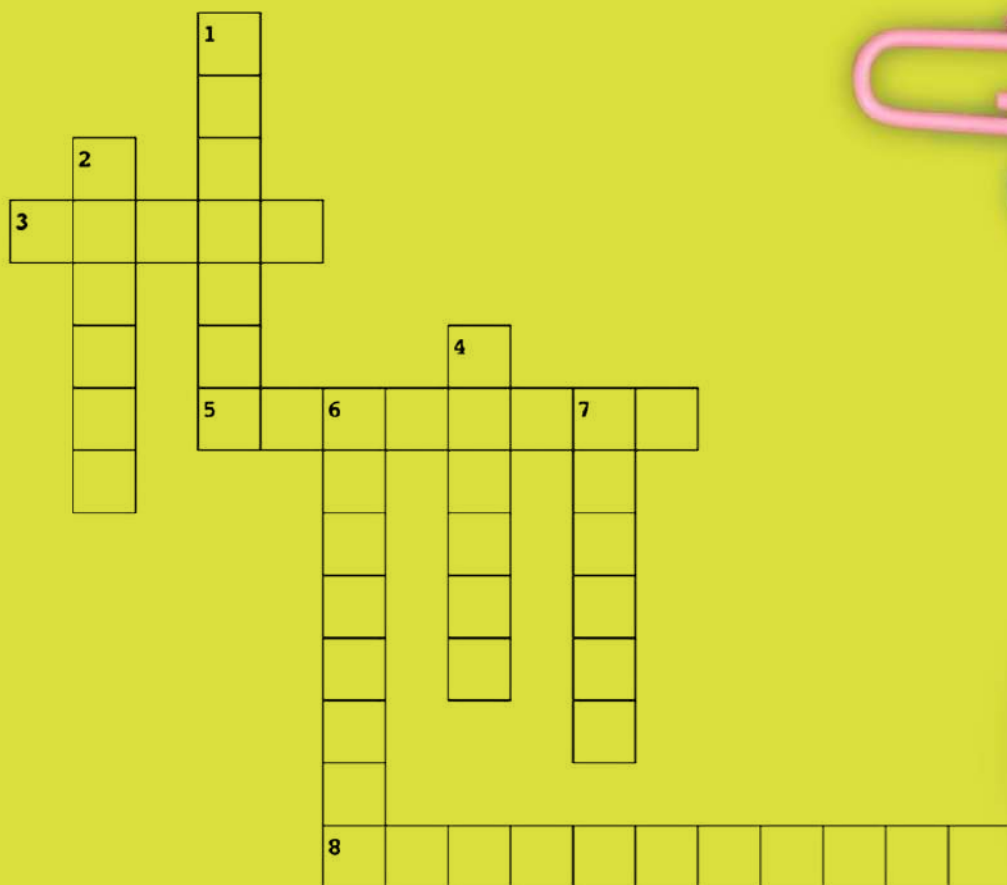
DESERT

ENERGY

WEATHER

HEAT

Crossword Puzzle



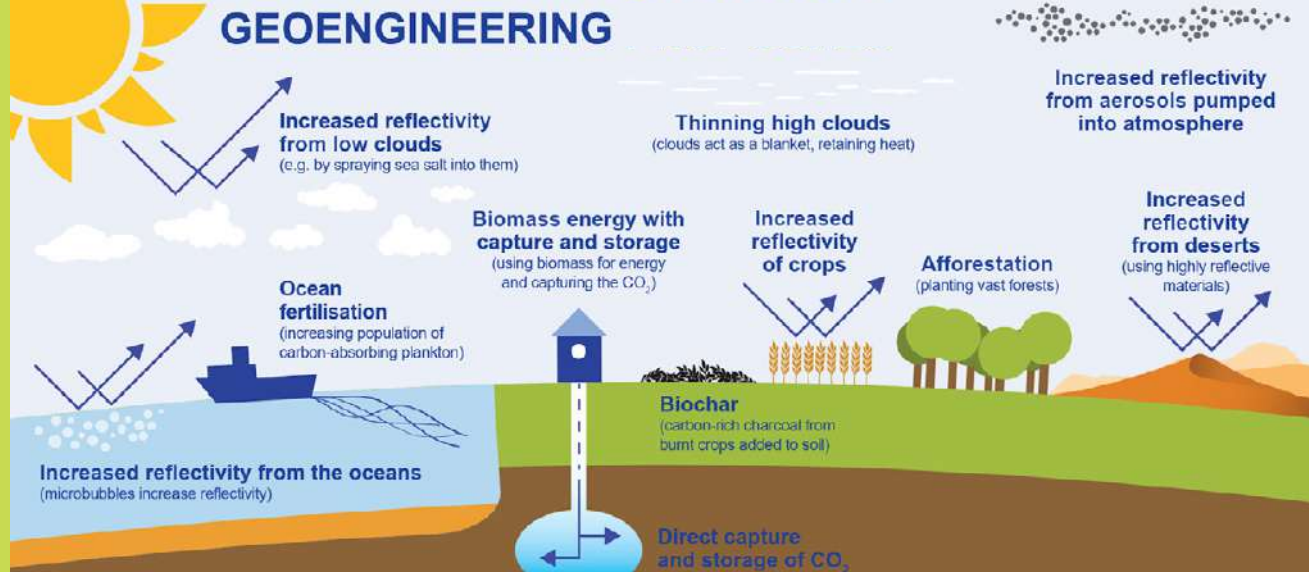
Across

- 3. Our planet
- 5. Put at risk
- 8. Degree of hotness

Down

- 1. Fairness and reasonableness
- 2. Non-metallic element
- 4. It can be conserved
- 6. Destroy
- 7. Moral justice

1) JUSTICE, 2) CARBON, 3) EARTH, 4) ENERGY,
5) ENDANGER, 6) DESTROY, 7) EQUITY, 8) TEMPERATURE



WORD OF THE DAY:

GEOENGINEERING

Most of the world's scientists now agree: climate change is real and happening fast. Earth itself is under no threat from global warming: the planet will continue to exist whatever we do to it. What is in danger is life on Earth—human life and that of millions of other species—which is finely tuned to the climate. The risk is that Earth's climate will be knocked out of balance to such an extent that life, as we know it, becomes impossible to sustain.

Geoengineering (literally "Earth-engineering") is the currently fashionable term for making large-scale interventions in how the planet works to slow down or reverse the effects of climate change. In theory, the word "geoengineering" could be used to describe almost any large-scale scheme for tackling climate change. Although large-scale geoengineering is still at the concept stage, advocates claim that it may eventually become essential if the world wants to avoid the worst effects of climate change.

Geoengineering could attempt to bring down the global fever in two ways. The first is by capturing carbon, either by planting forests that absorb carbon for photosynthesis and then store it as food, or via human-made technologies that pull carbon out of the air and store it underground. But scientists haven't perfected those technologies yet, and they wouldn't be as fast-acting as the second method, which would

reduce heat by reflecting sunlight back into space. Some scientists think this could be done by seeding the atmosphere with shiny particles, extra clouds, or space mirrors.

WORLD NATURE CONSERVATION DAY – JULY 28

Led by the United Nations Environment World Nature Conservation Day is an annual event held on July 28. This day stresses the need for preserving a healthy environment and natural resources to maintain a stable and healthy society. Saving plants and animals that face the threat of extinction is one of the primary goals of World Nature Conservation Day. Also, the celebrations emphasize keeping the various components of nature such as flora, fauna, energy resources, soil, water, and air intact. In addition, World Nature Conservation Day underlines the need for preserving the environment for future generations.

As much as awareness about environmental conservation has increased in the past few years, there is still a long way to go before positive steps show their results. In recent times, the need for conserving the environment has become more evident. The relentless human overexploitation of resources has led to unusual weather patterns, destruction of wildlife habitats, extinction of species, and loss of biodiversity. Sadly, this is the norm the world over. That's why organizations like

the International Union for Conservation of Nature (I.U.C.N.) are important.

In the first decade of its existence, the organization focused on examining how human activities affected nature. It also promoted the use of environmental impact assessments, which have been widely adopted across industries. In the 1960s and 1970s, most of the I.U.C.N.'s work was directed toward the protection of species and their habitats. In 1964, the I.U.C.N. founded the I.U.C.N. Red List of Threatened Species™, which is currently the world's most comprehensive data source on the risk of global extinction of species.

In the 2000s, the I.U.C.N. introduced 'nature-based solutions.' These are actions that conserve nature while also addressing global challenges such as climate change, security of food and water, and poverty alleviation. The I.U.C.N. is currently the world's largest and most diverse environmental network.

INTERNATIONAL TIGER DAY – JULY 29

Global Tiger Day, often called International Tiger Day, is an annual celebration to raise awareness for tiger conservation, held annually on 29 July. It was created in 2010 at the Saint Petersburg Tiger Summit in Russia. The goal of the day is to promote a global system for protecting the natural habitats of tigers and to raise public awareness and support for tiger conservation issues. International Tiger Day has been shown to be effective in increasing online awareness on tigers through information search.

With the loss of habitat and climate change, tigers are increasingly coming into conflict with humans. Poaching and the illegal trade industry is also a very serious threat that wild tigers face. Demand for tiger bone, skin, and other body parts is leading to increased cases of poaching and trafficking. This is resulting in localized extinctions, which has made the revival of the tiger population next to impossible. Another threat that has negatively impacted the tiger population is the loss of habitat. All across the world, we are witnessing a loss of tiger habitats due to access routes, human settlements, timber logging, plantations, and agriculture. In fact, only about 7% of the original tiger habitats are still intact today.

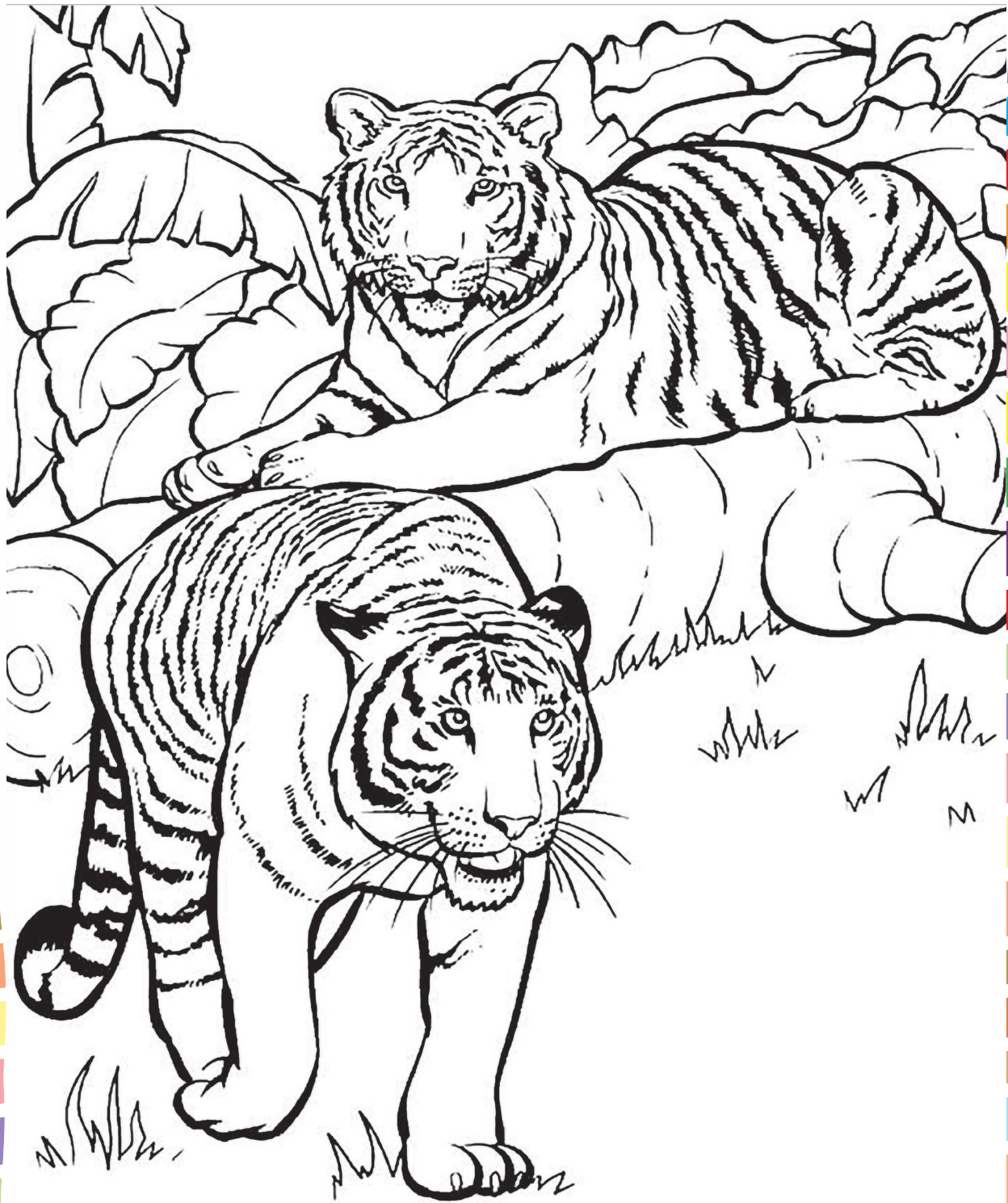


What can you do to help?

Things to Do...

- ☒ Switch off all plugs when not in use
- ☒ Grow a plant
- ☒ Use both sides of paper
- ☒ Carry a water bottle
- ☒ Reuse plastics

COLOUR ME!



China's successful efforts in combating desertification have received high praise from President Xi Jinping during his visit to the Xinhua forest farm in Inner Mongolia.

Saplings Of Hope: China's Great Green Wall

In 1978, the Chinese government made a significant decision to build the Three-North Shelterbelt Forest Programme (TSFP), to slow down desertification and improve the ecological

DESERTIFICATION



environment, which opened the largest artificial ecological forest belt construction in human history. The TSFP has played a key role in this achievement through large-scale afforestation and sand control measures. As a result, desertification has been significantly reduced, erosion has been curbed, and the ecological environment has improved.

Apart from reducing desertification, the damage caused by wind, sand and soil erosion has also been effectively curbed. These efforts have created the "spirit of Three-North" and set an international example for ecological governance, Xi said at a symposium during his inspection.

The four-decade-long struggle between China and the desert hold great significance. The numerous afforestation and sand control movements that stayed strong through the years,

in conjunction with government leadership and public participation, and ecological governance have helped improve people's livelihoods.

The Xinhua Forest farm is a shining example of effective desertification control and afforestation. Its forest coverage rate has risen from 25.6% in 2012 to an impressive 65% today.

Countless ordinary Chinese farmers, grassroots government officials, and ecologists have been working tirelessly for decades in desert areas, as they believe that the desert holds the key to ecological governance and poverty alleviation. Through decades of tree planting, these individuals have played a vital role in transforming once-barren lands into thriving oases. Their unwavering commitment and determination have not only changed the landscape but also improved the lives of local communities.

Shifting The Fashion Narrative

The United Nations Environment Programme (UNEP) and the UN Climate-Change-convened Fashion Charter have launched the Sustainable Fashion Communication Playbook, a guide for consumer-facing communicators in the global fashion industry to align efforts to sustainability targets, incorporating both environmental and social factors.



UNEP examines the role of sustainable fashion communication as a highly visible engine for lifestyle change and consumer education, and a core component of achieving systemic change in the sector

The Sustainable Fashion Communication Playbook highlights the importance of shifting fashion communication to enable a sustainable and circular fashion sector, drawing attention to the role of marketers, brand managers, imagemakers, storytellers, media, influencers and beyond.

Published jointly by UNEP and UN Climate Change, it shows communicators how to take action through countering misinformation, reducing messages that perpetuate over-consumption, redirecting aspiration to more sustainable lifestyles, and empowering consumers to demand greater action from businesses and policymakers. Ultimately it intends to help communicators explore how to assist in decoupling value creation from resource extraction and volume growth, while improving wellbeing.

The fashion sector is considered responsible, for instance, for between 2 per cent and 8 per cent of global greenhouse gas emissions



Unsustainable patterns of consumption and production are contributing directly and significantly to the triple planetary crisis, not to mention social injustices worldwide. The fashion sector is considered responsible, for instance, for between 2 per cent and 8 per cent of global greenhouse gas emissions as well as significant pollution, water extraction and biodiversity impacts, including 9 per cent of annual microplastic losses to oceans, while consuming 215 trillion litres of water per year.

While addressing production impacts is essential, shifting patterns of excess consumption in core markets is also a priority, which means confronting the dominant linear economic model and its accompanying narrative of newness, immediacy and disposability.

The Sustainable Fashion Communication

Playbook acknowledges the power of fashion's marketing engine, and the significant role it plays in shaping desire, aspiration and levels of consumption. It presents the need to direct such efforts towards sustainable and circular solutions as a creative opportunity. It provides a much-needed framework when policies around how to communicate environmental claims increasingly come into force. By leveraging their skills, communicators can be a part of the solution rather than contributors to the problem, and, in doing so, help advance towards the Sustainable Development Goals (SDGs) and the Paris Agreement on climate change.

"The balance between the science of sustainability and reimagining the fashion narrative is where communicators can excel. There is so much power in the stories fashion tells. If the fashion sector is to meet its sustainability targets, we need its



enormous marketing engine to redirect its efforts towards sustainable consumption. But there is a notable void for participation in this change from communication stakeholders. The Sustainable Fashion Communication Playbook provides the practical guide that is needed. It highlights how there is scope for huge creativity to envision and realise the world we want to live in," said Daniel Cooney, Director of Communication, UNEP.

Ina Parvanova, Director of Communications and Engagement, UN Climate Change, said "The fashion industry recognises the changes it needs to implement are systemic. Shifting consumer behaviours and confronting the role marketing and storytelling play within this are crucial. The Sustainable Fashion Communication Playbook was developed in consultation with fashion stakeholders looking to effect change at this level. It not only provides a framework for

addressing the Fashion Charter's commitment on communication, but in doing so gives practitioners around the world the means to support the industry's wider sustainability goals across environmental and social issues."

The Sustainable Fashion Communication Playbook provides practical guidance, including lists of dos and don'ts for consideration and case studies as examples of best practice.

Lead with Science: This playbook shows communicators why and how a dedication to scientific evidence and transparency is fundamental to communication change. This is presented as the Playbook's foundation level for sustainable fashion communication, recognising the importance of translating technical, science-based information into credible and meaningful messaging.

*UNEP and UN Climate Change provide
fashion communicators with practical
guide to contribute to sustainable change*



Change Behaviours and Practices: This call for a cultural shift, explaining why eradicating messages of overconsumption is crucial. It also encourages communicators to point consumers towards lower impact and circular solutions instead, such as repair and reuse, helping to normalise sustainable behaviours.

Reimagine Values: This focuses on the necessity for role models to help portray alternative models of status and success, decoupling identity from newness and recalibrating what is deemed aspirational. It emphasises how communicators can explore, explain and celebrate the positive ecological, cultural and social values of the fashion sector, bringing in a focus on inclusivity.

Drive Advocacy: This demonstrates how communicators can empower consumers into their role as citizens to demand greater action

from businesses and policymakers alike, holding stakeholders throughout the sector to account.

In doing so, the Playbook recognises that individual behaviour change alone will not suffice and systemic shifts are also required at the business, societal and policy levels. It explores the role of policy – from how communicators can support and encourage policymakers to lead with measures that enable wider industry sustainability, to the exact current and incoming policies that will impact communication work.

Fashion communicators are invited to adopt and integrate the guidance provided by the Playbook into their practice. To help them do so, UNEP will convene stakeholders focused on sustainable fashion communication in late 2023, providing access in the first instance to a masterclass series launching across regions.

E-waste: A Growing Challenge

In today's digital age, electronic devices have become an integral part of our lives, enabling connectivity, convenience, and productivity. However, as technology advances at a rapid pace, we face a growing problem: electronic waste, or e-waste. The disposal and mismanagement of e-waste pose significant environmental challenges that demand immediate attention and sustainable solutions.

The magnitude of the issue of e-waste is staggering. According to the Global E-Waste Monitor 2020, approximately more than 50 million metric tons of e-waste is generated globally every year, averaging some seven kilograms of e-waste per capita. And this number is projected to rise exponentially. E-waste contains toxic materials such as lead, mercury, cadmium, and brominated flame retardants, posing serious risks to human



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Chief Technical Advisor
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Foundation for the
Environment

health and the environment if not properly managed.

When electronic devices end up in landfills or are incinerated, toxic substances leach into the soil, contaminating groundwater and polluting ecosystems. These hazardous materials can also be carried by wind or water, spreading pollution beyond the immediate vicinity. Additionally, the energy-intensive production and disposal processes of electronic devices contribute to greenhouse gas emissions, exacerbating climate change.

E-waste's impact extends beyond the environment. Informal recycling practices in developing countries often involve burning or dismantling electronic devices without proper safety measures, exposing workers to harmful substances. Communities residing near e-waste recycling sites are particularly vulnerable, facing health risks such as respiratory problems, neurological disorders, and cancer. Furthermore, improper handling of e-waste releases toxic substances into the air, putting the entire population at risk.

The e-waste crisis is an urgent environmental challenge that demands immediate action. With the rapid advancement of technology, we must prioritize sustainable practices throughout the lifecycle of electronic devices. By implementing effective regulations, encouraging responsible manufacturing, and fostering public awareness, we can mitigate the environmental and health risks associated with e-waste. Let us work collectively to build a future where electronic devices bring innovation and progress without compromising the health of our planet or its inhabitants.



Zayed International Prize for the Environment

Together for a green century

THE FUTURE OF OUR WORLD
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ACT NOW!



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