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SAVDA
October 2023
Current Affairs



शौर्य और विवेक

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Kongthong Village Receives “Best Tourism Village 2023” Award

- On the occasion of **World Tourism Day 2023**, **Kongthong Village in the East Khasi Hills district** achieved a remarkable milestone by winning the prestigious title of “**Best Tourism Village 2023**” at the esteemed **National Tourism Awards**
- These awards, presented annually by the **Ministry of Tourism**, recognize outstanding contributions in the **field of tourism and cultural preservation**



Tripura Launches E-Cabinet System

- **Tripura Chief Minister Manik Saha unveiled the E-Cabinet System in Agartala**, marking a significant step towards the digital transformation of government operations and services
- The introduction of this system places **Tripura as the fourth state** in India, and the second in the **Northeast**, to embrace **electronic cabinet meetings**, following **Uttarakhand, Uttar Pradesh, and Arunachal Pradesh**



Global Innovation Index 2023

- **India** has maintained its **40th position out of 132** economies in the recently published Global Innovation Index (GII) 2023 by the **World Intellectual Property Organization (WIPO)**
- Over the past few years, India has consistently climbed the ranks in the GII, rising from **81st place in 2015** to its current position



Iran Launches Nour 3 Military Satellite

- **Iran** has successfully placed its third military satellite, **Nour 3**, into orbit
- The launch was carried out by Iran's Revolutionary Guards using a three-stage Qasem rocket on September 27, 2023
- The satellite's mission marks another significant step in Iran's space endeavors

Nasa Astronaut Frank Rubio Returns After Record-Breaking 371 Days in Space

- Nasa astronaut Frank Rubio, accompanied by fellow crew members, made a historic return to Earth after an extraordinary **371-day** stay in space aboard the International Space Station
- While on the space station, Rubio completed 5,963 orbits of the Earth.

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A photograph of Union Minister Dr. Jitendra Singh in profile, wearing a brown kurta, looking towards the left. Another man in a white shirt and glasses is partially visible in the background.

IGMS 2.0 Public Grievance Portal

- In a significant move towards enhancing **government responsiveness and efficiency**, Union Minister Dr. Jitendra Singh recently unveiled several groundbreaking initiatives
- These initiatives are aimed at **improving the grievance redressal system and promoting transparent and citizen-centric governance**



IGMS 2.0 Public Grievance Portal

- **The Intelligent Grievance Monitoring System (IGMS) 2.0 Dashboard** is a groundbreaking tool developed in collaboration with **IIT Kanpur** under an **MoU** with the **Department of Administrative Reforms and Public Grievances (DARPG)**
- This innovative portal utilizes the **power of Artificial Intelligence (AI)** to **streamline the grievance redressal process**

A close-up portrait of M S Swaminathan, an elderly man with glasses, wearing a suit and tie. The background is dark blue.

M S Swaminathan Passes Away

- **M S Swaminathan**, the renowned agricultural scientist often referred to as the “**Pioneer of the Green Revolution in India**,” passed away at the age of 98
- He left behind a legacy of agricultural innovation and food security.

A close-up portrait of M S Swaminathan, an elderly man with glasses, wearing a suit and tie. The background is dark blue. An orange horizontal bar is located at the top left of the slide.

M S Swaminathan Passes Away

- In **2004**, Swaminathan was appointed as the chair of the **National Commission on Farmers**, a critical role during a period of **widespread farmer distress and alarming suicide rates**
- The **commission presented its report in 2006**, making groundbreaking recommendations, including the proposal that the **Minimum Selling Price (MSP) should be at least 50 percent more than the weighted average cost of production**

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Aspects of Green Revolution in India

1. High Yielding Varieties (HYV)- Using seeds with improved genetics
2. Mechanization of Agriculture
3. Use of Chemical Fertilizers and Pesticides
4. Irrigation

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Fuzhou-Xiamen-Zhangzhou Railway Line

- **China** has unveiled its groundbreaking high-speed rail line, marking a significant leap in transportation infrastructure
- This railway, known as the **Fuzhou-Xiamen-Zhangzhou railway**, not only traverses several bays but also hugs the picturesque coastline of Fujian province, located near the Taiwan Strait



“Statue of Equality” in Maryland

- A significant milestone is approaching as the “**Statue of Equality,**” touted as the largest statue of **Dr. B R Ambedkar** outside India, is set to be unveiled in **Maryland** on October 14
- Crafted by the renowned artist and sculptor **Ram Sutar**, known for the Sardar Patel statue in Ahmedabad, this 19-foot statue pays tribute to Dr. Ambedkar, the visionary architect of India’s Constitution

A nuclear-powered submarine is shown sailing on the ocean surface. The submarine is dark grey and has a conning tower with several antennas. The water is dark blue with white foam from the wake. The sky is overcast with grey clouds. The submarine is moving from the right side of the frame towards the left.

UK Awards £4 Billion Contract for Nuclear-Powered Submarines as Part of AUKUS Program

- The **United Kingdom** has granted a £4 billion (USD 4.9 billion) contract to three UK-based companies, **BAE Systems, Rolls-Royce, and Babcock**, to design and manufacture a **nuclear-powered attack submarine**
- This initiative is a crucial element of the **AUKUS program**, which involves collaboration between the **UK, Australia, and the United States**

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UK Awards £4 Billion Contract for Nuclear-Powered Submarines as Part of AUKUS Program

- The program aims to bolster the capabilities of these nations to address regional security challenges, particularly in response to China's activities in the Asia-Pacific region

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India-Argentina 'Social Security Agreement'

- **India and Argentina** have signed a significant **Social Security Agreement (SSA)** aimed at protecting the rights of professionals and workers from both countries regarding social security contributions
- The agreement ensures that detached workers and their family members, who temporarily work in another country, retain their rights to contributory benefits under local legislation without reduction, modification, suspension, suppression, or retention





2023 Nobel Prize in Physics

- The **Nobel Prize in Physics** for 2023 has been awarded to **Ferenc Krausz, Pierre Agostini, and Anne L'Huillier** for their groundbreaking experiments that have led to the creation of **attosecond pulses of light**
- These pulses have opened new avenues for studying the behavior of electrons within atoms and molecules, revolutionizing the field of electrodynamics in matter

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SAMPRITI-XI Commences in Umroi

- **India and Bangladesh** have kicked off the **11th edition** of their annual joint military exercise, **SAMPRITI**, on **October 3, 2023**, in **Umroi, Meghalaya**



SAMPRITI-XI Commences in Umroi

- This exercise, which alternates between the two nations, highlights the strong bilateral defense cooperation between them
- SAMPRITI, initiated in **2009**, aims to boost interoperability, share tactical expertise, and promote best practices between the Indian and Bangladeshi armies

The background of the slide features a close-up, slightly blurred image of laboratory glassware, including a large yellow beaker and several smaller white and yellow containers, suggesting a scientific or industrial setting.

What is NanoPtA?

- Researchers at the **Materials Research Centre (MRC), Indian Institute of Science (IISc)**, have achieved a breakthrough in wastewater treatment and potential medical diagnostics
- They've developed a cutting-edge **enzyme mimetic** called "**NanoPtA**" that can effectively degrade toxic chemicals in industrial wastewater when exposed to sunlight
- This innovative nanozyme not only addresses the limitations of natural enzymes but also has promising applications in healthcare

Delhi Government Launches 'Green War Room' to Combat Air Pollution

- The **Delhi government** has taken a significant step in the fight against air pollution by launching a '**green war room**' on October 3, 2023
- This proactive measure aims to combat air pollution, which has long plagued the national capital, particularly during the winter months

Nobel Prize in Chemistry for 2023

- The Nobel Prize in Chemistry for 2023 has been conferred upon **Moungi G. Bawendi, Louis E. Brus, and Alexei I. Ekimov** for their groundbreaking work on **quantum dots**
- These tiny nanoparticles have far-reaching applications in various fields, from electronics to medical diagnostics

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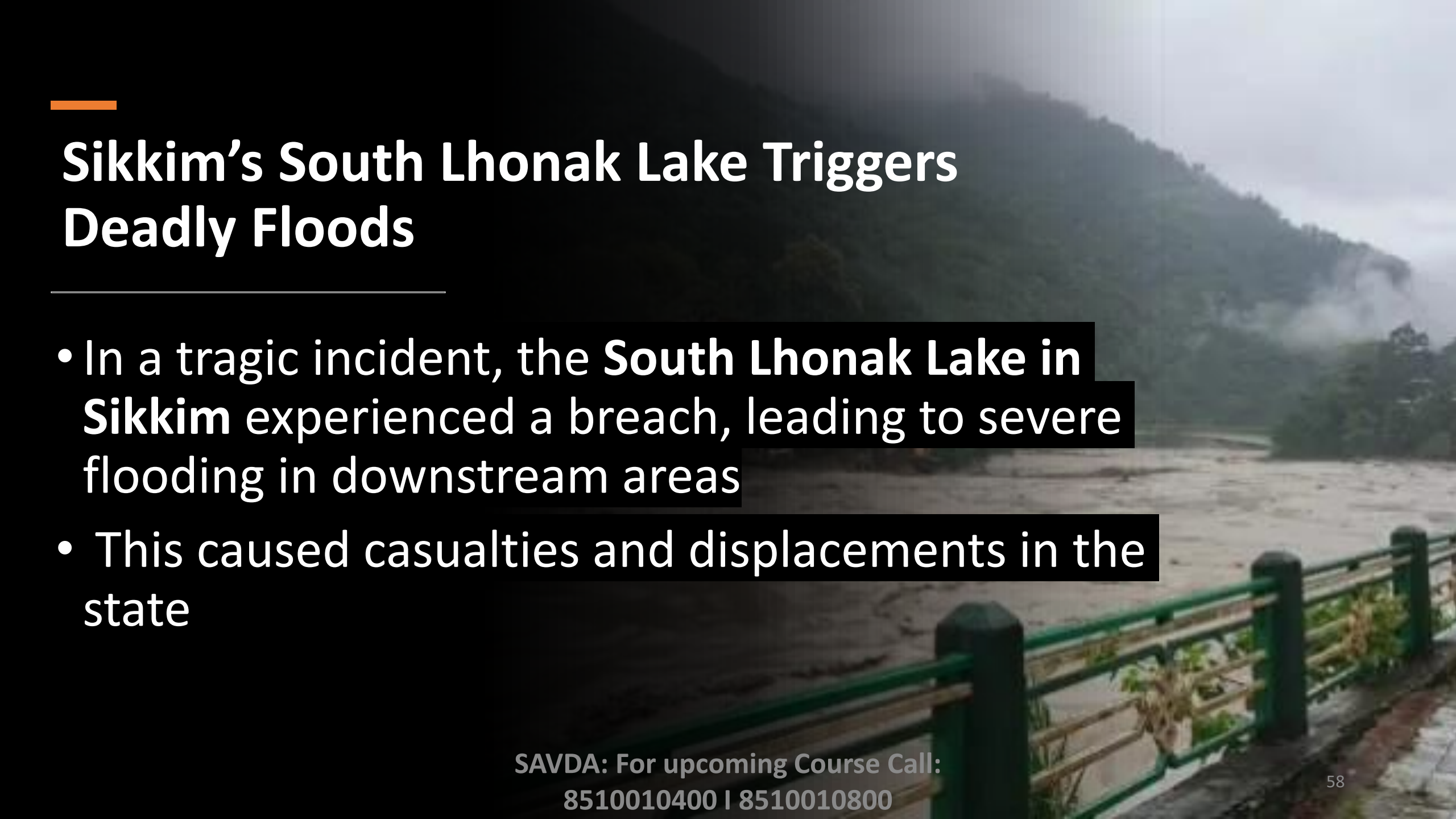
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What is UMMEED?

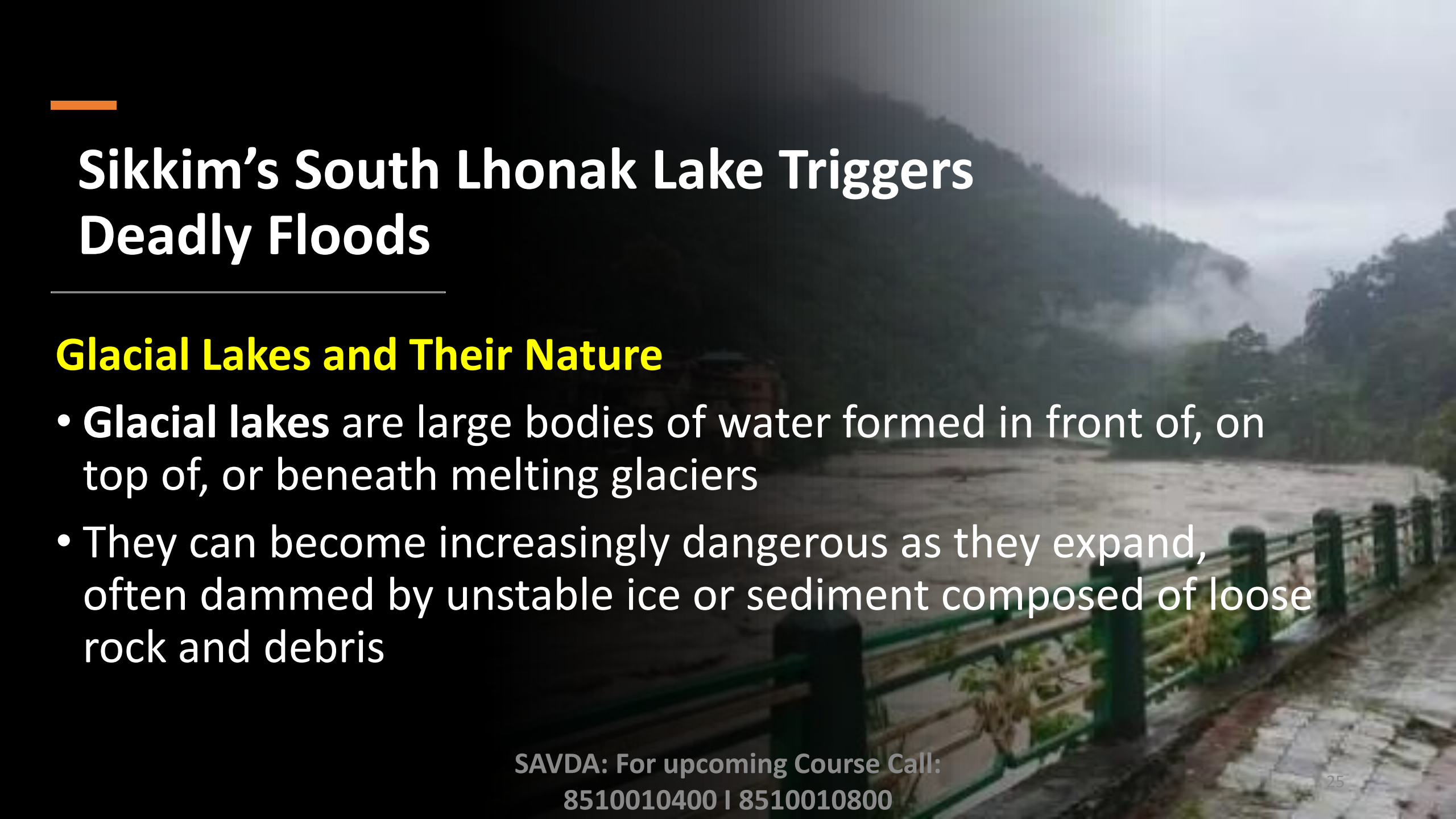


- The **Union Ministry of Education (MoE)** has unveiled draft guidelines to address the critical issue of student suicides in schools
- Named **UMMEED (Understand, Motivate, Manage, Empathise, Empower, Develop)**, these guidelines provide a comprehensive plan of action to enhance awareness, sensitivity, and support mechanisms for students facing mental health challenges



Sikkim's South Lhonak Lake Triggers Deadly Floods

- In a tragic incident, the **South Lhonak Lake in Sikkim** experienced a breach, leading to severe flooding in downstream areas
- This caused casualties and displacements in the state



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Glacial Lakes and Their Nature

- **Glacial lakes** are large bodies of water formed in front of, on top of, or beneath melting glaciers
- They can become increasingly dangerous as they expand, often dammed by unstable ice or sediment composed of loose rock and debris

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Keep up the
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The background of the slide features a close-up photograph of turmeric. On the left, several fresh, knobby turmeric roots are visible. On the right, a dark-colored spoon is filled with bright yellow turmeric powder, with some powder spilled onto the surface below it. The overall lighting is warm, highlighting the golden-yellow color of the turmeric.

National Turmeric Board

- The Indian government has officially constituted the **National Turmeric Board (NTB)** to support the development and growth of the turmeric and turmeric product industry in the country
- This decision addresses a long-standing demand from turmeric farmers across India and aims to enhance the sector's productivity and exports

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Discovery of Jupiter-Mass Binary Objects in Orion Nebula

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2023 Nobel Prize in Literature

- The **Swedish Academy in Stockholm, Sweden**, has awarded the **2023 Nobel Prize in Literature** to **Norwegian author Jon Fosse**
- The Nobel Prize in Literature is one of the prestigious awards established by Alfred Nobel in 1895

“Wagh Nakh” to Return to Maharashtra Temporarily

- The government of Maharashtra has reached a Memorandum of Understanding (MoU) with the **Victoria and Albert Museum in London** to bring back a historic weapon known as the **“wagh nakh”** to the state on loan for three years
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Mega Defence Event East Tech 2023

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Sagar Parikrama Phase-IX

- The Indian government announced that the ninth phase of the ‘Sagar Parikrama’ programme will commence on October 7, 2023
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Significance of Sammakka-Sarakka

- The Central government has named the **Telangana tribal university** after **Sammakka-Sarakka**, a revered mother-daughter duo among the local tribal community in Telangana
- This move fulfills a commitment made by the Central government as part of the **Andhra Pradesh Reorganisation Act, 2014**, where both Andhra Pradesh and Telangana were to receive support to establish tribal universities

A woman with dark hair, wearing a blue headscarf, is shown in profile, looking towards the right. The background is slightly blurred, showing what appears to be a window with vertical blinds. The overall tone is somber and focused.

2023 Nobel Prize for Peace

- **Narges Mohammadi**, a prominent Iranian women's rights advocate, has been awarded the **2023 Nobel Peace Prize** for her courageous efforts in the fight against the oppression of women in Iran and her relentless pursuit of social reform
- Despite her incarceration, she has been recognized for her dedication to promoting human rights and freedom for all



Dakar Declaration on Climate Change 2023

- Ministers from the world's 46 least developed countries (LDCs) issued a joint **Dakar Declaration on Climate Change** outlining their expectations and priorities for **COP28**

A photograph of Vladimir Putin, the President of Russia, is shown in the background. He is wearing a dark suit, a light blue shirt, and a patterned tie. He is looking down and to the left. The background is a blue wall with a red flag partially visible on the left.

Russia to Revoke Ratification of CTBT

- **Russia's envoy to the Comprehensive Nuclear Test Ban Treaty Organization (CTBTO), Mikhail Ulyanov, has announced that Russia intends to revoke its ratification of the Comprehensive Nuclear-Test-Ban Treaty (CTBT)**
- This move has raised tensions between Russia and the United States, adding to existing disputes related to Moscow's invasion of Ukraine and arms control issues between the two nuclear superpowers



Russia to Revoke Ratification of CTBT

- The Comprehensive Nuclear-Test-Ban Treaty (CTBT) is a multilateral treaty to ban nuclear weapons test explosions and any other nuclear explosions, for **both civilian and military purposes, in all environments**
- It was adopted by the United Nations General Assembly on **10 September 1996**, but has not entered into force, as **eight specific nations have not ratified the treaty**

A photograph of Ashok Gehlot, the Chief Minister of Rajasthan, speaking into a microphone. He is wearing a white shirt and a dark vest. The background is a textured, light-colored wall.

Rajasthan Adds Three New Districts

- In preparation for the upcoming Assembly elections, **Rajasthan Chief Minister Ashok Gehlot** has announced the establishment of three new districts in the state: **Malpura, Sujangarh, and Kuchaman City**
- This decision has been made in response to public demand and the recommendations of a high-level committee
- With the addition of these districts, Rajasthan now boasts a total of **53 districts**



NASA to Launch Psyche Mission

- **NASA** is gearing up for an ambitious mission called **Psyche**, where a high-tech spacecraft will embark on a 2.2 billion mile journey to explore an **asteroid known as 16 Psyche**
- This mission, scheduled for launch on October 12, holds immense promise as it aims to delve into the mysteries of this metal-rich asteroid and gain insights into planetary cores, contributing to our understanding of Earth's formation

A photograph of the Miura-1 rocket, a white reusable launch vehicle with a colorful stripe and the letters 'M', 'R', and 'A' on its side. The rocket is positioned vertically on a launch pad against a blue sky with scattered white clouds. The background shows a grassy field and a fence.

Miura-1 Rocket: Europe's First Private Rocket Launch

- **Spanish aerospace** company PLD Space has achieved a significant milestone by successfully launching its recoverable **Miura-1** rocket
- This achievement marks **Europe's first fully private rocket launch** and offers a glimmer of hope for Europe's space ambitions



National Framework for Climate Services (NFCS)

- **India** is embarking on a groundbreaking initiative led by the **India Meteorological Department (IMD)** known as the **National Framework for Climate Services (NFCS)**
- This comprehensive program aims to provide climate services and information to various sectors, including agriculture, energy, disaster management, health, and water resources

The background of the slide is a photograph of the Aditya L1 spacecraft in space. The spacecraft is a complex structure with various instruments and solar panels. It is positioned in the foreground, with the bright, glowing surface of the Sun in the background, creating a dramatic orange and yellow light. The spacecraft's solar panels are visible, and the overall scene is set against the dark void of space.

ISRO Conducts Trajectory Correction Maneuver for Aditya L1 Mission

- The Indian Space Research Organisation (ISRO) has announced the successful execution of a Trajectory Correction Maneuver (TCM) for its Aditya L1 spacecraft
- Aditya L1 is on a 110-day journey to reach the Sun-Earth Lagrangian point 1 (L1), marking one of the longest space missions undertaken by an Indian spacecraft since the 2013-2014 Mars mission



Revival of Mushk Budji

- **Mushk Budji**, an indigenous **aromatic rice variety from Kashmir**, is on the brink of a significant revival, as authorities in Jammu and Kashmir (J&K) have unveiled plans to expand its cultivation area to 5,000 hectares within the next three years
- This move comes as a ray of hope for a high-cost traditional rice variety that was on the verge of extinction due to various challenges



Mont Blanc Shrinks

- **Mont Blanc**, the iconic pinnacle of the **Alps**, has undergone a notable decrease in elevation, dropping by 2.2 meters since 2021
- This unexpected reduction in height, attributed to a range of factors, has raised concerns about the mountain's changing state and its potential implications

CHAKRAVAT 2023

- The Annual Joint Humanitarian Assistance and Disaster Relief Exercise (AJHE) has emerged as a pivotal outcome of the directive set forth during the Combined Commanders' Conference in 2015
- Since its inception in 2015, this exercise, known as **CHAKRAVAT**, has evolved into a multi-agency initiative encompassing participation from various sectors, including all three Services, Paramilitary Forces, disaster response organizations, NGOs, academic institutions, and international bodies

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A photograph of Claudia Goldin, a woman with short, light-colored hair and glasses, smiling. She is wearing a dark jacket over a light-colored top. The background is slightly blurred, showing what appears to be an indoor setting.

Nobel Prize in Economics for 2023

- The **Nobel Prize in Economics** for 2023 has been awarded to **Claudia Goldin**, a professor at Harvard University, in recognition of her groundbreaking work in advancing our understanding of women's labor market outcomes
- Her research, focused primarily on the United States, has shed light on the historical trends and factors influencing women's participation in the labor market and the persistent gender pay gap



SHRESHTA Scheme

- In a significant move to enhance the quality of education for school students in India, the **Ministry of Social Justice and Empowerment** has introduced the **'Scheme for Residential Education for Students in High Schools in Targeted Areas' (SHRESHTA)**
- This program is designed to provide high-quality education to students from **Scheduled Castes (SC)** and expand the reach of development initiatives within SC-dominant areas in the education sector

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Habitat Rights Granted to Baiga Tribal Group

- In the lead-up to the Assembly elections in **Chhattisgarh**, significant progress has been made in recognizing habitat rights for **Particularly Vulnerable Tribal Groups (PVTGs)** in the state
- The **Baiga PVTG** has become the second group to receive habitat rights, following the **Kamar PVTG**
- These rights provide PVTGs with authority over their traditional habitats, preserving their socio-cultural practices, livelihoods, and knowledge of biodiversity

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The background of the slide is a photograph of the Parker Solar Probe in space. The probe is a dark, cylindrical spacecraft with various instruments and antennas protruding from its surface. It is positioned in the upper right quadrant of the frame. The background is a bright, orange-yellow glow, likely representing the sun's corona, with several horizontal lines of light stretching across the scene, suggesting a high-speed or high-temperature environment. The overall lighting is warm and dramatic, highlighting the metallic surfaces of the probe against the intense light of the sun.

Parker Solar Probe's New Speed Record

- **NASA's Parker Solar Probe** has achieved a remarkable feat, becoming the fastest human-made object in history
- During its 17th orbit around the sun, the probe reached a staggering speed of 635,266 kilometers (394,736 miles) per hour, surpassing its own record set in 2021
- This remarkable journey not only signifies groundbreaking achievement in space exploration but also brings the probe closer to the sun than ever before

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Bharat NCX 2023

- The second edition of the **National Cyber Security Exercise**, known as ‘**Bharat NCX 2023**,’ has commenced as a hybrid exercise over a 12-day period starting from October 9
- This crucial program is conducted by the National Security Council Secretariat (NSCS) in collaboration with Rashtriya Raksha University (RRU) and is aimed at providing training to senior management and technical personnel from government agencies, critical sector organizations, and both public and private entities
- The exercise focuses on contemporary **cyber threats, incident handling, and response strategies**

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Keep up the
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An aerial photograph of a lush green landscape. A winding river flows through the center, reflecting the sky. The surrounding land is divided into numerous small, rectangular plots, likely agricultural fields. A road or highway runs along the bottom right of the frame, with several vehicles visible. The overall scene is vibrant and scenic.

Assam's 1000-Km "High-Speed Economic Corridor" Road Project

- In its weekly cabinet meeting, the **Assam government** has given the green light for a major infrastructure project, the construction of a **1000-kilometer "High-Speed Economic Corridor"** road.
- This ambitious project, with an estimated cost of Rs 3,000 crore, will play a crucial role in enhancing the state's connectivity and infrastructure

Lek Ladki Yojana and Namu Shetkari Mahasanman Nidhi Yojana

- The Maharashtra government has given the green light to two significant welfare schemes aimed at benefiting its citizens
- These schemes, designed to support families with annual incomes up to Rs one lakh and farmers across the state, are set to make a substantial impact



USS Gerald R Ford Carrier Strike Group to Assist Israel

- In the wake of a surprise attack on Israel by Hamas, the **United States** demonstrated its unwavering support for Israel by deploying the **USS Gerald R Ford aircraft carrier strike group to the Eastern Mediterranean**
- This deployment aimed to deter further expansion of the conflict in the region



India Launches Operation Ajay

- Amid a full-blown war with the Hamas group in Gaza, India has launched “Operation Ajay” to facilitate the return of its citizens from Israel, where approximately 18,000 Indians reside
- The initiative aims to ensure the safety and well-being of Indian nationals abroad as the conflict escalates

A woman with braids and sunglasses is speaking into a microphone at a protest. She is wearing a white t-shirt and has her right arm raised. In the background, other people are visible, some holding signs. One sign says "STOP" and another says "KIDS DESERVE SAFE".

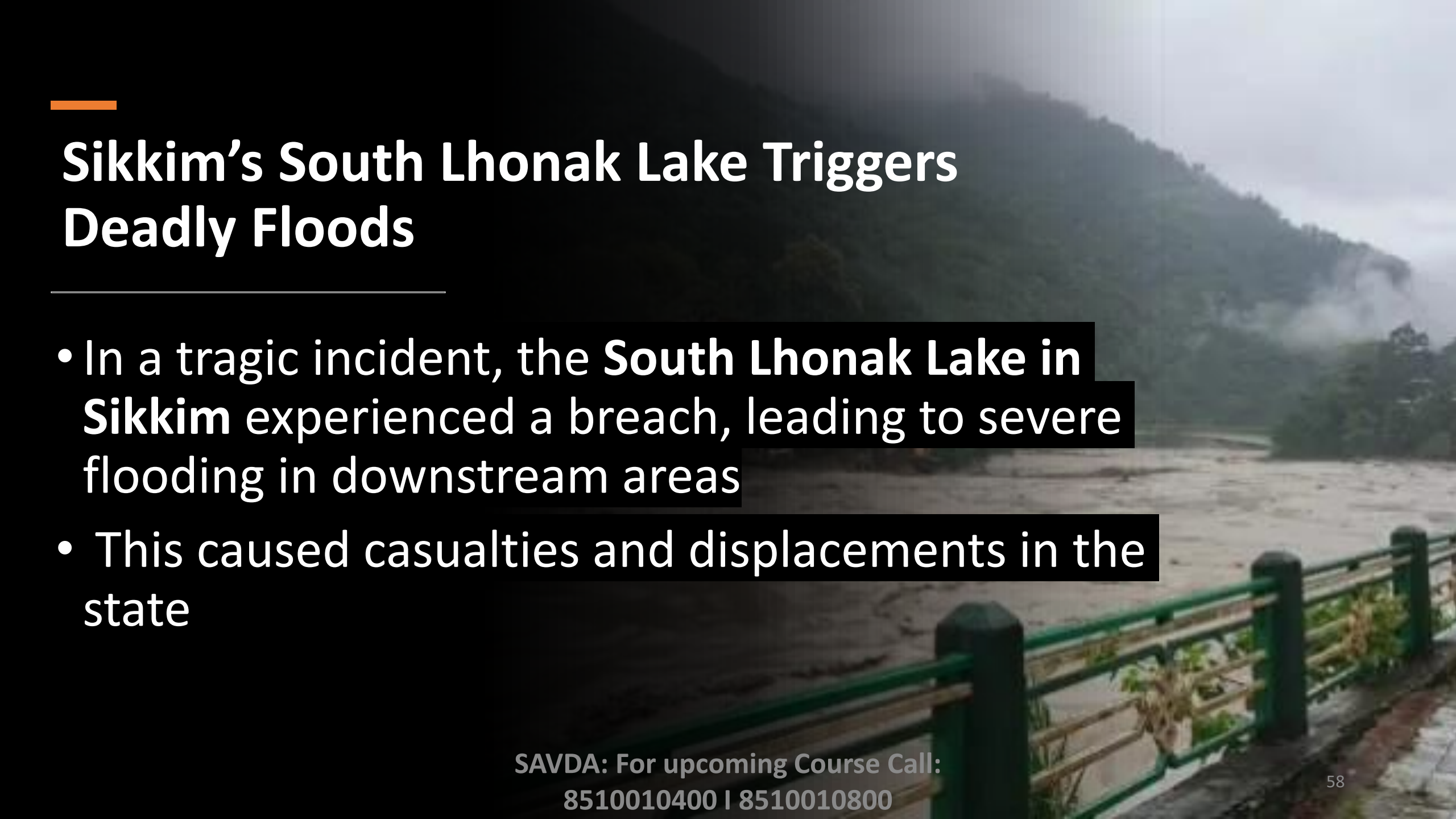
California Launches Ebony Alert

- **California** has taken a significant step toward addressing the racial disparity in missing persons cases by introducing the **Ebony Alert system**
- Scheduled to take effect on January 1, 2024, this initiative aims to keep the public informed about missing Black children and young people. In doing so, California became the first state in the U.S. to implement such a statewide program



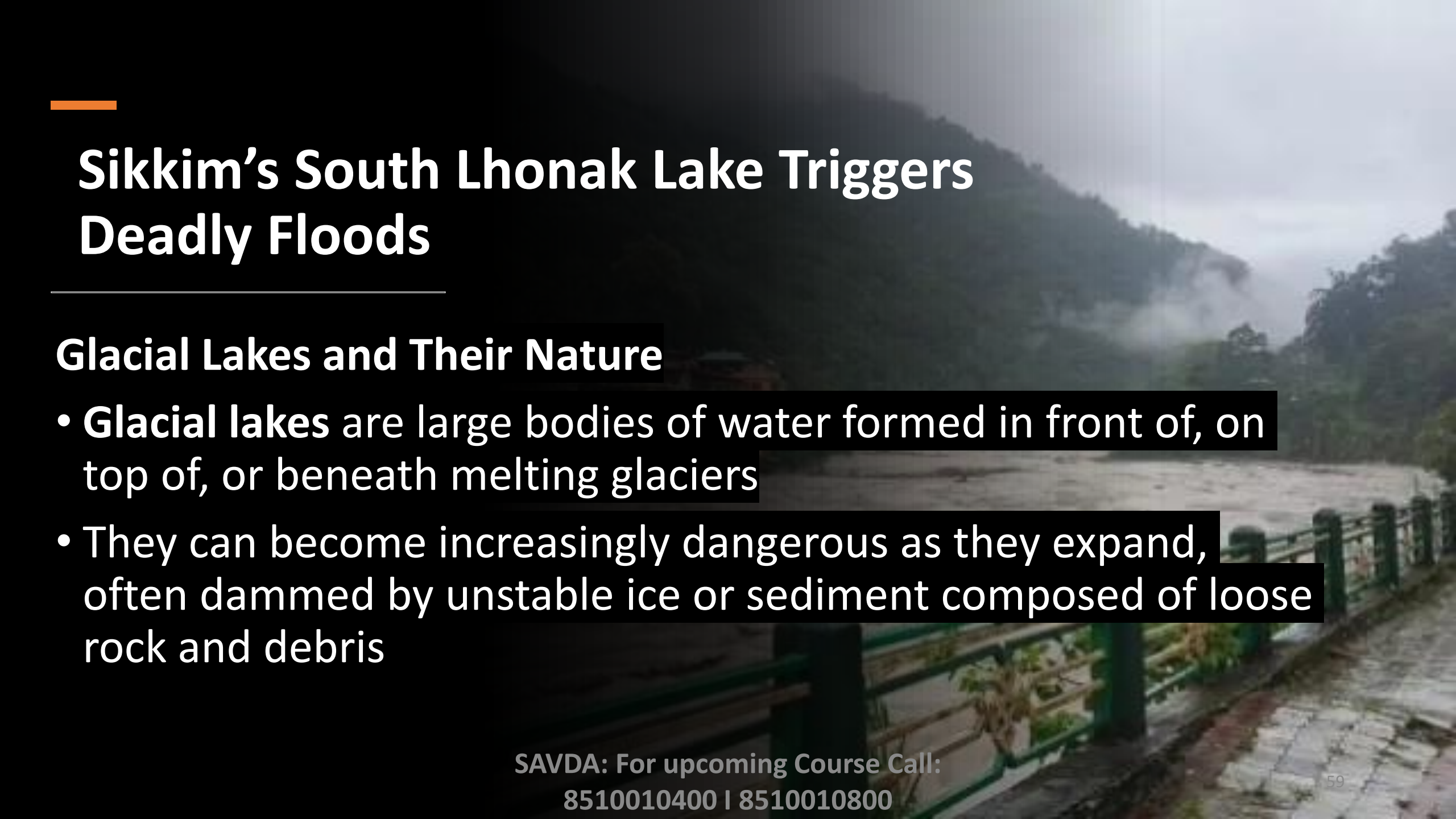
GI Tag for Goan Cashew

- In a significant development, **Goan cashew**, known for its long and cherished heritage, has been awarded a **Geographical Indication (GI) tag**
- This recognition, granted by the Geographical Indications Registry in Chennai, establishes Goan cashew as a unique product originating from a specific geographical region
- The GI tag serves as a trademark, distinguishing it in the international market



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Discovery of Jupiter-Mass Binary Objects in Orion Nebula

- The Orion Nebula is a diffuse nebula situated in the Milky Way, being south of Orion's Belt in the constellation of Orion, and is known as the middle "star" in the "sword" of Orion
- **It is only 1,500 light-years away, making it the closest large star-forming region to Earth and giving it a relatively bright apparent magnitude of 4**



2023 Nobel Prize in Literature

- The Swedish Academy in Stockholm, Sweden, has awarded the 2023 Nobel Prize in Literature to Norwegian author Jon Fosse *"for his innovative plays and prose which give voice to the unsayable."*
- The Nobel Prize in Literature is one of the prestigious awards established by Alfred Nobel in 1895



2023 Nobel Prize in Literature

- Any type of literary work, which follows the simple grammatical structure, to form sentences and paragraphs is called prose
- As against, when words are metrically arranged in a sequence, as per a given design or rhythm, it is called verse

“Wagh Nakh” to Return to Maharashtra Temporarily

- The government of Maharashtra has reached a Memorandum of Understanding (MoU) with the **Victoria and Albert Museum in London** to bring back a historic weapon known as the **“wagh nakh”** to the state on loan for three years
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Dakar Declaration on Climate Change 2023

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Dakar Declaration

- The 'Dakar Declaration,' adopted in principle by **21 African countries** after the first African sub-regional conference on the implementing the Global Plan for Road Safety in Dakar, Senegal, includes actions to **enhance data capture, analysis, sharing and coordination to shape better road safety policies**
- The Dakar Declaration, currently being finalized, is in line with the work of the **African Road Safety Observatory, which works to harmonize road safety related indicators across the continent**



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CTBT(Comprehensive Nuclear-Test-Ban Treaty)

- The **Comprehensive Nuclear-Test-Ban Treaty (CTBT)** is a multilateral treaty to ban nuclear weapons test explosions and any other nuclear explosions, for both civilian and military purposes, in all environments
- It was adopted by the United Nations General Assembly on **10 September 1996**, but has not entered into force, as eight specific nations have not ratified the treaty



Rajasthan Adds Three New Districts

- In preparation for the upcoming Assembly elections, **Rajasthan Chief Minister Ashok Gehlot** has announced the establishment of three new districts in the state: **Malpura, Sujangarh, and Kuchaman City**
- This decision has been made in response to public demand and the recommendations of a high-level committee
- With the addition of these districts, Rajasthan now boasts a total of **53 districts**



NASA to Launch Psyche Mission

- **NASA** is gearing up for an ambitious mission called **Psyche**, where a high-tech spacecraft will embark on a 2.2 billion mile journey to explore an **asteroid known as 16 Psyche**
- This mission, scheduled for launch on October 12, holds immense promise as it aims to delve into the **mysteries of this metal-rich asteroid and gain insights into planetary cores, contributing to our understanding of Earth's formation**



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A photograph of the Miura-1 rocket, a white cylindrical launch vehicle with a red and yellow band near the base. The letters 'M', 'I', 'U', 'R', 'A' are printed vertically on the side. The rocket is positioned vertically against a blue sky with scattered white clouds. The background shows a grassy field and a fence.

Miura-1 Rocket: Europe's First Private Rocket Launch

- Spanish aerospace company PLD Space has achieved a significant milestone by successfully launching its **recoverable Miura-1 (previously called Arion 1) rocket**
- This achievement marks **Europe's first fully private rocket launch** and offers a glimmer of hope for Europe's space ambitions



National Framework for Climate Services (NFCS)

- India is embarking on a groundbreaking initiative led by the India **Meteorological Department (IMD) known as the National Framework for Climate Services (NFCS)**
- This comprehensive program aims to provide climate services and information to various sectors, including **agriculture, energy, disaster management, health, and water resources**

The background of the slide is a photograph of the Aditya L1 spacecraft in space. The spacecraft is a large, complex structure with multiple solar panels and instruments. It is positioned in the foreground, with the bright, glowing surface of the Sun in the background, creating a high-contrast, orange and yellow scene. The spacecraft's solar panels are visible as dark, rectangular structures against the bright light of the Sun.

ISRO Conducts Trajectory Correction Maneuver for Aditya L1 Mission

- The Indian Space Research Organisation (ISRO) has announced the successful execution of a Trajectory Correction Maneuver (TCM) for its Aditya L1 spacecraft
- Aditya L1 is on a 110-day journey to reach the **Sun-Earth Lagrangian point 1 (L1)**, marking one of the longest space missions undertaken by an Indian spacecraft since the 2013-2014 Mars mission



Revival of Mushk Budji

- **Mushk Budji**, an indigenous **aromatic rice variety from Kashmir**, is on the brink of a significant revival, as authorities in Jammu and Kashmir (J&K) have unveiled plans to expand its cultivation area to 5,000 hectares within the next three years
- This move comes as a ray of hope for a high-cost traditional rice variety that was on the verge of extinction due to various challenges



Mont Blanc Shrinks

- **Mont Blanc**, the iconic pinnacle of the **Alps**, has undergone a notable decrease in elevation, dropping by 2.2 meters since 2021
- This unexpected reduction in height, attributed to a range of factors, has raised concerns about the mountain's changing state and its potential implications

CHAKRAVAT 2023

- The Annual Joint Humanitarian Assistance and Disaster Relief Exercise (AJHE) has emerged as a pivotal outcome of the directive set forth during the **Combined Commanders' Conference in 2015**
- Since its inception in 2015, this exercise, known as CHAKRAVAT, has evolved into a multi-agency initiative encompassing participation from various sectors, including **all three Services, Paramilitary Forces, disaster response organizations, NGOs, academic institutions, and international bodies**

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A photograph of Claudia Goldin, a woman with short grey hair and glasses, smiling. She is wearing a dark blazer over a light-colored top. The background is slightly blurred, showing what appears to be a wooden chair.

Nobel Prize in Economics for 2023

- The **Nobel Prize in Economics for 2023** has been awarded to **Claudia Goldin**, a professor at Harvard University, in recognition of her groundbreaking work in advancing our understanding of **women's labor market outcomes**
- Her research, focused primarily on the **United States**, has shed light on the historical trends and factors influencing **women's participation in the labor market** and the **persistent gender pay gap**



SHRESHTA Scheme

- In a significant move to enhance the quality of education for school students in India, the **Ministry of Social Justice and Empowerment** has introduced the **'Scheme for Residential Education for Students in High Schools in Targeted Areas'** (SHRESHTA)
- This program is designed to provide high-quality education to students from **Scheduled Castes (SC)** and **expand the reach of development initiatives within SC-dominant areas in the education sector**

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Habitat Rights Granted to Baiga Tribal Group

- In the lead-up to the Assembly elections in Chhattisgarh, significant progress has been made in recognizing habitat rights for **Particularly Vulnerable Tribal Groups (PVTGs)** in the state
- The **Baiga PVTG** has become the second group to receive habitat rights, following the **Kamar PVTG**
- These rights provide **PVTGs with authority over their traditional habitats, preserving their socio-cultural practices, livelihoods, and knowledge of biodiversity**

The background of the slide is a photograph of the Parker Solar Probe in space. The probe is a dark, cylindrical spacecraft with various instruments and antennas extending from it. It is positioned in the upper right quadrant of the frame. The background is a bright, orange-yellow glow, likely representing the sun's corona, with several horizontal lines of light stretching across the scene. The overall lighting is warm and dramatic, highlighting the probe against the intense light of the sun.

Parker Solar Probe's New Speed Record

- NASA's Parker Solar Probe has achieved a remarkable feat, becoming the **fastest human-made object in history**
- During its **17th orbit around the sun**, the probe reached a **staggering speed of 635,266 kilometers (394,736 miles) per hour**, surpassing its own record set in 2021
- This remarkable journey not only signifies groundbreaking achievement in **space exploration but also brings the probe closer to the sun than ever before**

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Bharat NCX 2023

- The second edition of the National Cyber Security Exercise, known as ‘Bharat NCX 2023,’ has commenced as a **hybrid exercise over a 12-day period starting from October 9**
- This crucial program is conducted by the **National Security Council Secretariat (NSCS) in collaboration with Rashtriya Raksha University (RRU)** and is aimed at providing training to **senior management and technical personnel from government agencies, critical sector organizations, and both public and private entities**
- The exercise focuses on contemporary **cyber threats, incident handling, and response strategies**

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An aerial photograph of a lush green landscape. A wide river flows through the center, reflecting the sky. The surrounding land is divided into numerous small, rectangular plots, likely agricultural fields. A road or highway runs along the bottom right of the frame, with several vehicles visible. The overall scene is vibrant and scenic.

Assam's 1000-Km "High-Speed Economic Corridor" Road Project

- In its weekly cabinet meeting, the **Assam government** has given the green light for a major infrastructure project, the construction of a **1000-kilometer "High-Speed Economic Corridor"** road.
- This ambitious project, with an estimated cost of Rs 3,000 crore, will play a crucial role in enhancing the state's connectivity and infrastructure

Lek Ladki Yojana and Namu Shetkari Mahasanman Nidhi Yojana

- The Maharashtra government has given the green light to two significant welfare schemes aimed at benefiting its citizens
- These schemes, designed to support families with annual incomes up to Rs one lakh and farmers across the state, are set to make a substantial impact



USS Gerald R Ford Carrier Strike Group to Assist Israel

- In the wake of a surprise attack on Israel by Hamas, the **United States** demonstrated its unwavering support for Israel by deploying the **USS Gerald R Ford aircraft carrier strike group to the Eastern Mediterranean**
- This deployment aimed to deter further expansion of the conflict in the region



India Launches Operation Ajay

- Amid a full-blown war with the Hamas group in Gaza, India has launched “Operation Ajay” to facilitate the return of its citizens from Israel, where approximately 18,000 Indians reside
- The initiative aims to ensure the safety and well-being of Indian nationals abroad as the conflict escalates

A woman with braids and sunglasses is speaking into a microphone at a protest. She is wearing a white t-shirt and has her right arm raised. In the background, other people are visible, some holding signs. One sign says "STOP" and another says "KIDS DESERVE SAFE".

California Launches Ebony Alert

- **California** has taken a significant step toward addressing the racial disparity in missing persons cases by introducing the **Ebony Alert system**
- Scheduled to take effect on January 1, 2024, this initiative aims to keep the public informed about missing Black children and young people. In doing so, California became the first state in the U.S. to implement such a statewide program

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GI Tag for Goan Cashew

- In a significant development, **Goan cashew**, known for its long and cherished heritage, has been awarded a **Geographical Indication (GI) tag**
- This recognition, granted by the Geographical Indications Registry in Chennai, establishes Goan cashew as a unique product originating from a specific geographical region
- The GI tag serves as a trademark, distinguishing it in the international market



Gaza Strip Under Siege

- **The Gaza Strip** has been the epicenter of an intense Israeli bombardment over the past five days, following a **deadly attack by Hamas**
- Gaza's situation is on the brink of a humanitarian crisis, with hospitals overwhelmed and the territory facing a complete blockade due to Israel's intensified 16-year siege

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INS Sagardhwani Sets Sail for Sagar Maitri Mission-4

- On October 12, the **INS Sagardhwani**, an oceanographic research vessel owned by the Naval Physical & Oceanographic Laboratory (NPOL) under the DRDO, embarked on a two-month-long **Sagar Maitri (SM) Mission-4** from South Jetty, Southern Naval Command (SNC), Kochi



UNICEF Celebrates Milestone of One Million Certifications on International Day of the Girl Child

- The Secretary of the Department of School Education & Literacy, Ministry of Education, joined a UNICEF-organized online program on **October 11, 2023**, the **UN International Day of the Girl Child**, to mark the achievement of one million certifications in its Passport to Earning (P2E) program

Intensified Mission Indradhanush 5.0 Campaign

- **Intensified Mission Indradhanush (IMI 5.0)** is the Union Ministry of Health and Family Welfare's primary immunization initiative
- This program targets children and pregnant women who haven't been **immunized**, ensuring they receive their required vaccinations



ImmunoACT's NexCAR19

- In a remarkable achievement, **ImmunoACT**, backed by **IIT-B** and **Laurus Labs**, has received approval from the Central Drugs Standard Control Organization (CDSCO) for **India's first CAR-T cell therapy, NexCAR19**
- This revolutionary therapy is a significant development in the treatment of relapsed/refractory (r/r) B-cell lymphomas and leukemia and marks a substantial step forward in the field of advanced cell-and-gene therapies

A young girl with dark hair tied back, wearing a purple t-shirt, is holding a yellow banana. She is looking down at the banana. The background is blurred, suggesting an outdoor setting.

Global Hunger Index (GHI) 2023

- India has been placed **111th out of 125 countries** in the **Global Hunger Index (GHI) 2023**. This ranking has been challenged by the Indian government, which labeled it as “erroneous” and driven by “malafide intent”
- In 2022, India stood **107th out of 121 countries** in the GHI , topped by **BELARUS**.



Cambrian Patrol Competition 2023

- In a remarkable display of skill and resilience, **the Indian Army** clinched the **gold medal at the Cambrian Patrol Competition 2023**, an international military exercise held in Wales, UK
- This achievement reflects the prowess of a team from the **3/5 Gorkha Rifles (Frontier Force)**, who represented the Indian Army at this prestigious event

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USS Dwight D. Eisenhower CSG Deployed in the Eastern Mediterranean

- On October 14, US Defence Secretary Austin Lloyd made a significant announcement, directing the nuclear-powered USS Dwight D. Eisenhower Carrier Strike Group (CSG) to the Eastern Mediterranean
- This strategic move places the carrier group right next to the ongoing conflict between Israel and the militant organization Hamas

A man in a dark military uniform with red epaulettes is seated and speaking. He is gesturing with his right hand. In the background, there is a circular logo with a red and white design, possibly a military or institutional emblem. The text is overlaid on the image.

'Chanakya Defence Dialogue' Talk Series

- **The Indian Army is set to establish a platform for critical discussions on security matters with the introduction of the “Chanakya Defence Dialogue”**
- **This dialogue series, aimed at bringing together experts to exchange insights on crucial security issues, is a significant step toward enhancing strategic awareness**



Super El Niño Predicted for 2024

- The National Oceanic and Atmospheric Administration's (NOAA) climate prediction center has issued a significant forecast, indicating that the Northern Hemisphere may experience a “strong” El Niño weather event from March to May 2024
- The outlook even suggests a 1 in 3 chance that this El Niño could be “historically strong,” similar to Super El Niño events seen in 1997-98 and 2015-16

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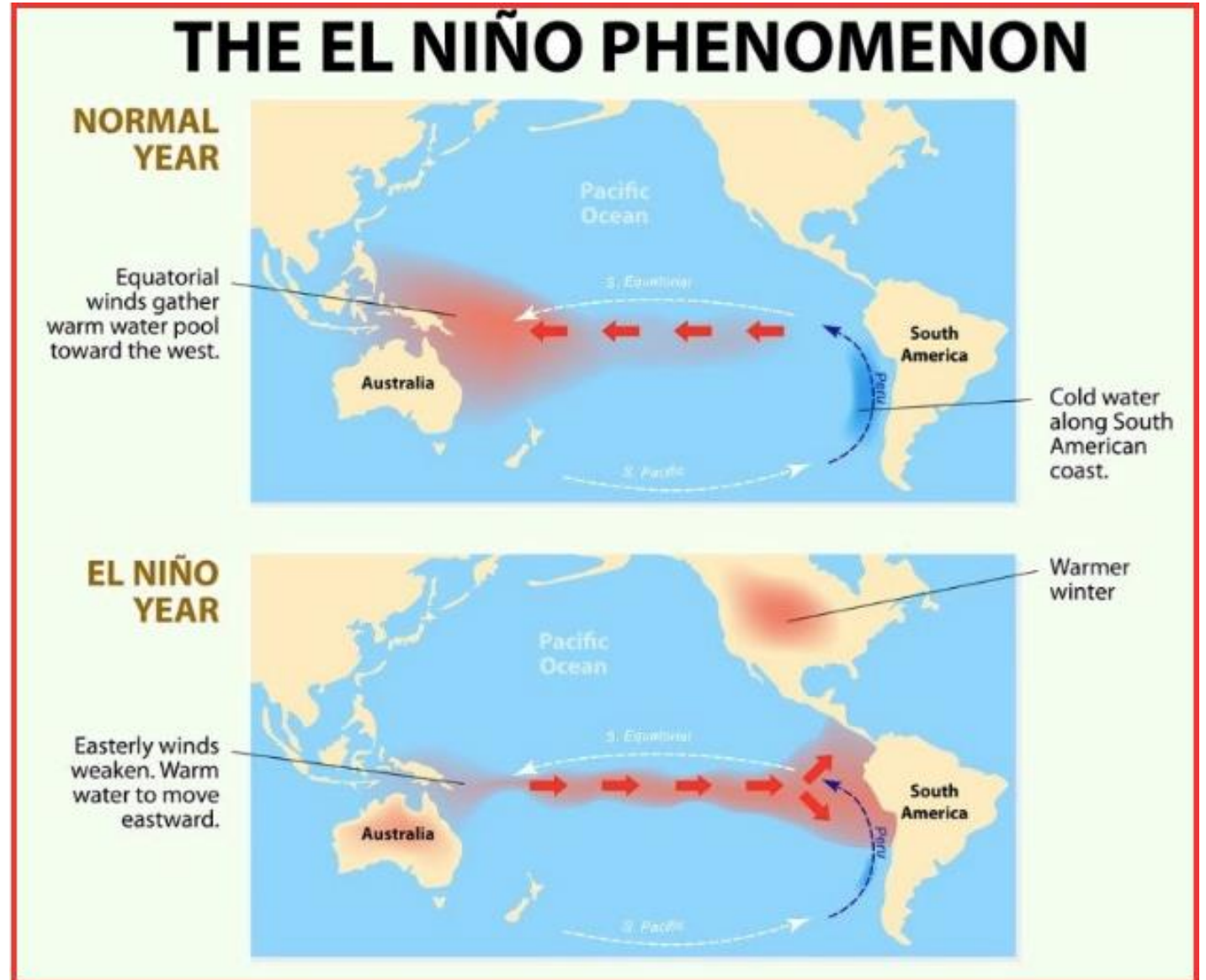
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El Niño's Impact on Global Weather

- El Niño is characterized by the **warming of Pacific Ocean waters near South America** and has far-reaching consequences on global weather patterns
- It can trigger extreme weather events, affecting food production, water resources, and the well-being of both human populations and ecosystems

El Niño's



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El Niño's Impact on Global Weather

- During normal conditions in the Pacific ocean, trade winds blow west along the equator, taking warm water from South America towards Asia
- To replace that warm water, cold water rises from the depths — a process called upwelling
- El Niño and La Niña are two opposing climate patterns that break these normal conditions.



El Niño's Impact on Global Weather

- During El Niño, trade winds weaken. **Warm water is pushed back east, toward the west coast of the Americas.**
- El Niño means **Little Boy in Spanish**. South American fishermen first noticed periods of unusually warm water in the Pacific Ocean in the 1600s
- The full name they used was **El Niño de Navidad, because El Niño typically peaks around December**

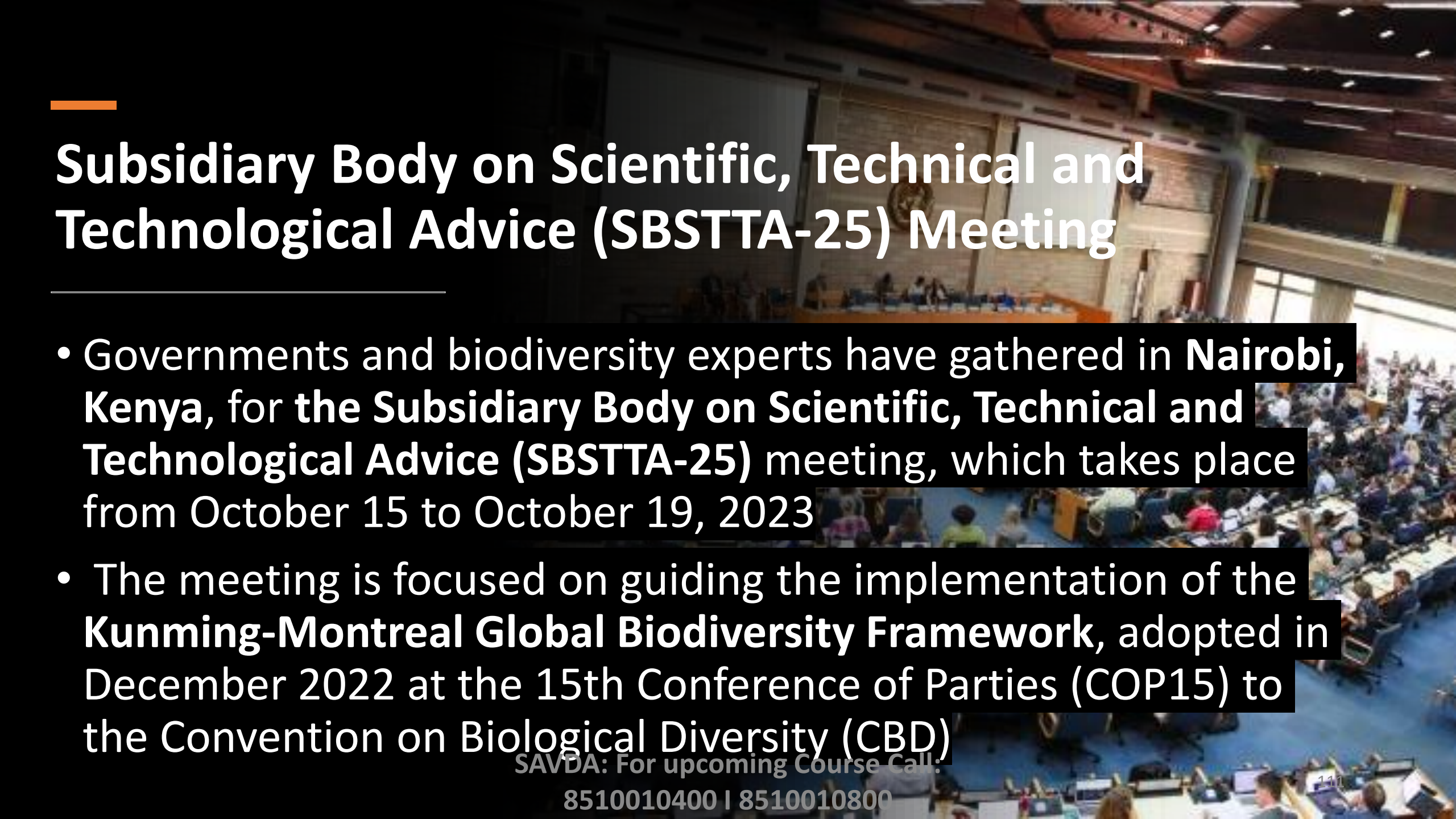
ISRO's Flight Test Vehicle Abort Mission

- **The Indian Space Research Organisation (ISRO)** is gearing up for a significant milestone in its ambitious human space mission, **Gaganyaan**
- **Abort Mission Test:** ISRO is set to conduct the Flight Test Vehicle Abort Mission, a crucial part of the Gaganyaan program



India's First Regional Train Service

- India is all set to launch its first regional train service, **RapidX**, with Prime Minister Narendra Modi scheduled to inaugurate it on October 20
- The priority section of the **Delhi-Ghaziabad-Meerut Regional Rapid Transit System (RRTS)** will open, covering a distance of 17 kilometers between **Duhai and Sahibabad**



Subsidiary Body on Scientific, Technical and Technological Advice (SBSTTA-25) Meeting

- Governments and biodiversity experts have gathered in **Nairobi, Kenya**, for the **Subsidiary Body on Scientific, Technical and Technological Advice (SBSTTA-25)** meeting, which takes place from October 15 to October 19, 2023
- The meeting is focused on guiding the implementation of the **Kunming-Montreal Global Biodiversity Framework**, adopted in December 2022 at the 15th Conference of Parties (COP15) to the Convention on Biological Diversity (CBD)

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India's Economic Outlook for FY24

- The Federation of Indian Chambers of Commerce and Industry (FICCI) has released its Economic Outlook Survey for India, projecting key economic indicators for the fiscal year 2023-24
- India's economy is projected to grow by **6.3% in FY24**. The growth estimate ranges from a minimum of 6.0% to a maximum of 6.6%



3rd Edition of Global Maritime India Summit 2023

- In a virtual ceremony held on October 17, Prime Minister Narendra Modi inaugurated the **third edition of the Global Maritime India Summit 2023 (GMIS)**
- This monumental event, **hosted in Mumbai**, is recognized as the largest maritime gathering in the country
- Ministers from **Europe, Africa, South America, Asia (including central Asia, Middle East, and the BIMSTEC region)**, and serves as a catalyst for India's maritime industry

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Mazagon Dock Shipbuilders Secures Rs 310 Crore Contract for Coast Guard Training Ship

- **Mazagon Dock Shipbuilders Ltd.** has clinched a significant order worth Rs 310 crore from the Indian government for the construction of a training ship for the **Indian Coast Guard**
- This contract, signed under the Buy (Indian-IDDMM) category, marks a milestone in enhancing India's indigenous shipbuilding capabilities

APAAR: 'One Nation, One Student ID'

- The Union Education Ministry has recently advised all states to implement the Automated Permanent Academic Account Registry (APAAR), also known as the 'One Nation, One Student ID'
- This move aims to create a seamless educational ecosystem and facilitate better tracking of students' academic journeys and achievements



Bright Transient Survey Bot (BTSbot)

- On October 5, 2023, a groundbreaking moment in the field of astronomy occurred when an artificial intelligence (AI) system named Bright Transient Survey Bot (BTSbot) autonomously detected, identified, and classified **its first supernova, marking a significant milestone in the realm of space exploration**



Bright Transient Survey Bot (BTSbot)

- A supernova is a **powerful and luminous explosion of a star**
- A supernova occurs during the **last evolutionary stages of a massive star or when a white dwarf is triggered into runaway nuclear fusion**



India Skills 2023-24 Launched

- **Union Minister for Education and Skill Development & Entrepreneurship, Shri Dharmendra Pradhan, officially launched IndiaSkills 2023-24 and honored the winners of World Skills 2022 at an event held in Kaushal Bhawan, New Delhi**
- **IndiaSkills serves as a stepping stone to the renowned WorldSkills competition**

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India Skills 2023-24 Launched

- This national competition offers participants a chance to showcase their talents on the global stage, with the next WorldSkills event set to take place in Paris
- **WorldSkills, the world's largest skill competition, is organized by WorldSkills International, encompassing 86 member countries**

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Union Minister Launches 'Apna Chandrayaan' Web Portal

- In a significant step towards promoting scientific curiosity and innovation among India's youth, the **Union Minister for Education and Skill Development & Entrepreneurship**, Shri Dharmendra Pradhan, unveiled a web portal named 'Apna Chandrayaan'
- It is a **portal to educate school students on the lunar mission**

Union Minister Launches 'Apna Chandrayaan' Web Portal

- This web portal, developed by the **National Council of Educational Research and Training (NCERT)** under the Department of School Education & Literacy, Ministry of Education, aims to provide **activity-based support materials related to Mission Chandrayaan-3**
- The launch ceremony took place in **New Delhi and included the release of 10 special modules dedicated to Chandrayaan-3**

A woman in a white lab coat and face mask is examining a child's arm outdoors. The background shows other people and trees, suggesting a public health setting.

Lao People's Democratic Republic Achieves Lymphatic Filariasis Elimination

- The World Health Organization (WHO) has declared that the Lao People's Democratic Republic (Lao PDR) has successfully eliminated **lymphatic filariasis (LF), marking its second neglected tropical disease (NTD) elimination in just six years**
- In 2017, Lao PDR achieved the **elimination of trachoma as a public health hazard, this achievement demonstrates the country's dedication and collaborative efforts** in public health



Extended Range Air-Launched BrahMos Missile

- In a significant achievement for India's indigenous weapon systems, the Indian Air Force (IAF) recently conducted a successful test of the **air-launched version of the BrahMos supersonic cruise missile** in the Bay of Bengal
- This test marks a milestone in **India's missile development efforts**

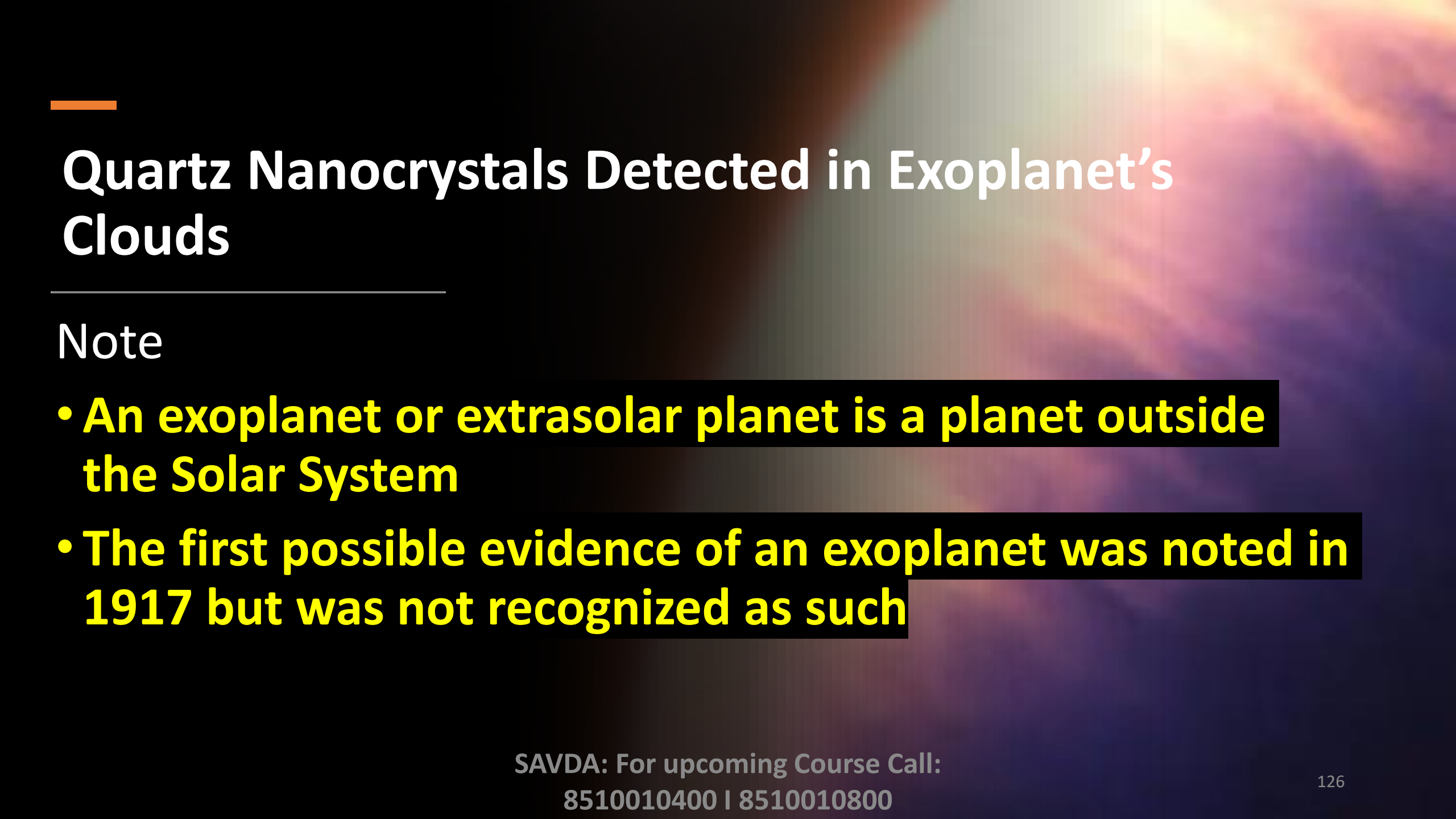
BrahMos Missile

- BrahMos is a medium-range 2 stage missile
- Stealth Technology
- Advanced guidance system
- High Target Accuracy (irrespective of weather conditions)
- Constant supersonic speed
- Operates on 'Fire and Forget' Principle
- BrahMos can be launched from land, aircraft, ships, and even submarines.
- One of the heaviest missiles, weighing up to 2.5 tonnes

Stage 1	<ul style="list-style-type: none">•Solid Propellant Booster Engine•Is separated after it reaches MACH-1 or Supersonic speed
Stage 2	<ul style="list-style-type: none">•Liquid Ramjet Engine•Takes the missile close to MACH 3 in cruise phase

Quartz Nanocrystals Detected in Exoplanet's Clouds

- Astronomers using the **James Webb Space Telescope** have made a remarkable discovery in the atmosphere of the **exoplanet WASP-17b, located approximately 1,300 light-years away from Earth**
- **WASP-17b**: This exoplanet is classified as a **“hot Jupiter”** and is **situated far from our solar system, making it a fascinating object of study**



Quartz Nanocrystals Detected in Exoplanet's Clouds

Note

- **An exoplanet or extrasolar planet is a planet outside the Solar System**
- **The first possible evidence of an exoplanet was noted in 1917 but was not recognized as such**

An underwater scene showing a large, complex scientific detector structure, likely the TRIDENT, situated deep beneath the surface of the ocean. Sunlight rays penetrate the water from above, creating a blue, ethereal atmosphere. The structure consists of a central vertical column with a circular top section and several horizontal rings or platforms. The background shows the dark blue water and the surface of the ocean with light rays filtering through.

China's Underwater “Ghost Particle” Detector

- In a groundbreaking scientific endeavor, China is constructing the world's largest ***“ghost particle” detector, the Tropical Deep-sea Neutrino Telescope (TRIDENT), also known as “Hailing” or “Ocean Bell” in Chinese***
- Situated 11,500 feet (3,500 meters) beneath the surface of the Western Pacific Ocean, TRIDENT will revolutionize our understanding of elusive particles known as neutrinos



What are Ghost Particles?

- Neutrinos are tiny subatomic particles, often called **'ghost particles' because they barely interact with anything else**
- Source: Neutrinos come from all kinds of different sources and are often the **product of heavy particles turning into lighter ones, a process called "decay."**
- Neutrinos are denoted by the **Greek symbol ν , or nu (pronounced "new")**

Andhra Pradesh to Launch Backward Classes Caste Census

- The government of Andhra Pradesh is gearing up to launch a comprehensive **caste census for Backward Classes, targeting 139 communities under this category**
- The census will commence around **November 15 and utilize the village secretariat system and volunteer network for data collection**

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Indian Chess Grandmaster Karthikeyan Murali Achieves Victory Over Magnus Carlsen

- In a breathtaking display of chess mastery, 24-year-old Indian grandmaster **Karthikeyan Murali delivered a remarkable blow to the reigning world champion and number one player, Magnus Carlsen**
- This stunning victory, achieved in the classical chess format at the ongoing **Qatar Masters, marks a historic moment in the world of chess**



Thank you! Let's keep the energy high and continue to dive into these fascinating topics

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A man with dark hair and a beard is shown in a close-up, looking thoughtful with his hand to his chin. He is wearing a dark shirt and a lanyard. The background is a blurred chess tournament setting with other people and bright lights.

Who is a Chess Grandmaster?

- **Grandmaster (GM) is a title awarded to chess players by the world chess organization FIDE**
- Apart from World Champion, **Grandmaster is the highest title a chess player can attain**
- Once achieved, the title is held for life, though exceptionally the title can be revoked for cheating

A Sukhoi-30 MKI fighter jet is shown in flight against a clear blue sky. The aircraft is viewed from a low angle, showing its distinctive canards and wings. The tail fin is visible with the number '58 044'.

IAF to Upgrade Sukhoi-30 MKI Fighters with 'Virupaaksha' Radar

- The Indian Air Force (IAF) is undertaking a comprehensive upgrade program for its **Su-30 MKI combat aircraft fleet**
- The centerpiece of this upgrade is the integration of an indigenous advanced radar system known as **"Virupaaksha"**
- This effort is part of a **larger initiative to enhance the capabilities of the Su-30 MKI aircraft**

A Sukhoi-30MKI fighter jet is shown in flight against a clear blue sky. The aircraft is viewed from a low angle, showing its distinctive canards and wings. The tail section of the aircraft is visible on the right side of the frame, with the number '58 044' printed on it. The overall scene is bright and clear.

What are Sukhoi-30 MKI Fighters?

- The Su-30MKI is a multi-role air dominance fighter that can carry a versatile array of weapons including the **Astra Mk-1 long-range air-to-air missile**, **Brahmos Air Launched missile**, and an array of bombs, among others.
- It is a **4.5 generation aircraft** that can carry out complex manoeuvres at both **high speeds and low speeds**, which includes the iconic vertical **Charlie maneuver**.
- The aircraft, with the capability of **air-to-air refuelling**, can also carry out **long range patrol and other endurance missions**.

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ICMR Uses Drones to Transport Medications

- In a groundbreaking initiative to transform healthcare delivery, the **Indian Council of Medical Research (ICMR)** is conducting a feasibility assessment in **Himachal Pradesh's Lahaul and Spiti districts**
- This pioneering effort aims to harness the power of drones for transporting **critical medical supplies, including medications, diagnostic samples, and sputum, to remote and challenging terrains**



Operation Chakra 2

- The Central Bureau of Investigation (CBI) in India has launched a **major crackdown on cyber criminals, conducting searches in 76 locations across the country**
- This operation, known as **'Operation Chakra-2', was initiated after the registration of five separate cases of cyber-enabled financial fraud, including a ₹100-crore crypto scam**

A close-up photograph of a cotton boll with a pink bollworm larva visible on its surface. The background is dark and out of focus.

Pink Bollworm Infestation Pushing North Indian Cotton Farmers to Brink of Suicide

- Cotton farmers in North Indian states, including Punjab, Haryana, and Rajasthan, are grappling with a severe pink bollworm (PBW) infestation that is pushing them to the brink of suicide
- Even the genetically modified pest-resistant Bt Cotton (Bollgard II seed) is falling prey to the pink bollworm, which was designed to resist it



Indian Navy Receives INS Imphal

- Mazagon Dock Shipbuilders Limited (MDL) has delivered INS Imphal, the third ship of the **Project 15B Class of stealth** guided missile destroyers, to the Indian Navy, four months ahead of schedule



Indian Navy Receives INS Imphal

Project-15B:

- **Four Guided missile Destroyers of Project 15B (P 15B) are under construction at M/s Mazagaon Dock Shipbuilders Limited, Mumbai**
- **The contract for construction of these four ships was signed in 2011.**
- **These ships are amongst the most technologically advanced Guided Missile Destroyers of the world, with state-of-the-art weapon/sensor package, advanced stealth features and a high degree of automation**

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Indian Navy Receives INS Imphal

Features of the P-15B Ships:

- **These ships are equipped with BrahMos supersonic cruise missiles and long-range Surface-to-Air Missiles (SAM)**
- **The ship has several indigenous weapons systems like medium range Surface-to-Air Missile (SAMs), indigenous torpedo tube launchers, anti-submarine indigenous rocket launchers and 76-mm super rapid gun mount**

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The background image shows the Rafah Crossing, a large, modern border structure with a complex, geometric design. In the foreground, a soldier in camouflage uniform is walking across the frame. The sky is clear and blue.

The Rafah Crossing

- In the wake of Israel's blockade of the **Gaza Strip** following the **October 7 attack by Hamas**, the **Rafah border crossing with Egypt** has become a crucial point for civilians seeking to enter or leave Gaza
- Egypt has kept the **Rafah crossing sealed since October 10**, leading to diplomatic negotiations to facilitate the passage of people and supplies

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The Rafah Crossing



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A close-up photograph of a Paintbrush Swift butterfly perched on a bright yellow flower. The butterfly's wings are a mix of brown and tan with fine, hair-like structures. The background is a soft, out-of-focus landscape.

Discovery of Rare Paintbrush Swift Butterfly in Himachal Pradesh

- The rare **Paintbrush Swift butterfly**, a species uncommon in the **western Himalayas**, has been sighted and documented for the first time in **Himachal Pradesh's Chamba district**
- This discovery marks an important milestone for butterfly enthusiasts and conservationists in the region



High Levels of Helium-3 Found in Rocks on Baffin Island

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A photograph of Air Marshal Sadhna S Nair in her Indian Air Force uniform, wearing a blue cap with a crest and a blue tunic with medals. The background is a blurred office setting.

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A light combat helicopter (LCH) Prachanda is shown in flight, firing a rocket. The helicopter is white with blue accents and has a large rotor. The background is a clear blue sky. The text is overlaid on the left side of the image.

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Thank you! Let's keep the energy high and continue to dive into these fascinating topics

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A group of people are sitting on a blue SUV in a forest. In the foreground, a tiger is walking on a dirt path. The background is filled with trees and greenery.

Uttarakhand Government Establishes Rajaji Tiger Reserve Conservation Foundation

- The **Uttarakhand government** has announced the establishment of the **Rajaji Tiger Reserve Conservation Foundation** with the aim of promoting ecological, economic, social, and cultural development in and around **the Rajaji Tiger Reserve**
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The background image shows the Rafah Crossing, a large, modern structure with a complex, geometric design. The structure is made of dark, possibly metal, beams and panels. In the foreground, a soldier in camouflage uniform is walking from right to left, looking towards the camera. The sky is blue with some clouds. The overall scene is a mix of modern architecture and military presence.

The Rafah Crossing

- In the wake of Israel's blockade of the **Gaza Strip** following the **October 7 attack by Hamas**, the **Rafah border crossing with Egypt** has become a crucial point for civilians seeking to enter or leave Gaza
- Egypt has kept the **Rafah crossing sealed since October 10**, leading to diplomatic negotiations to facilitate the passage of people and supplies

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A close-up photograph of a Paintbrush Swift butterfly perched on a bright yellow flower. The butterfly's wings are a mix of brown and tan with subtle patterns. The background is a soft, out-of-focus landscape with a hillside and a clear sky.

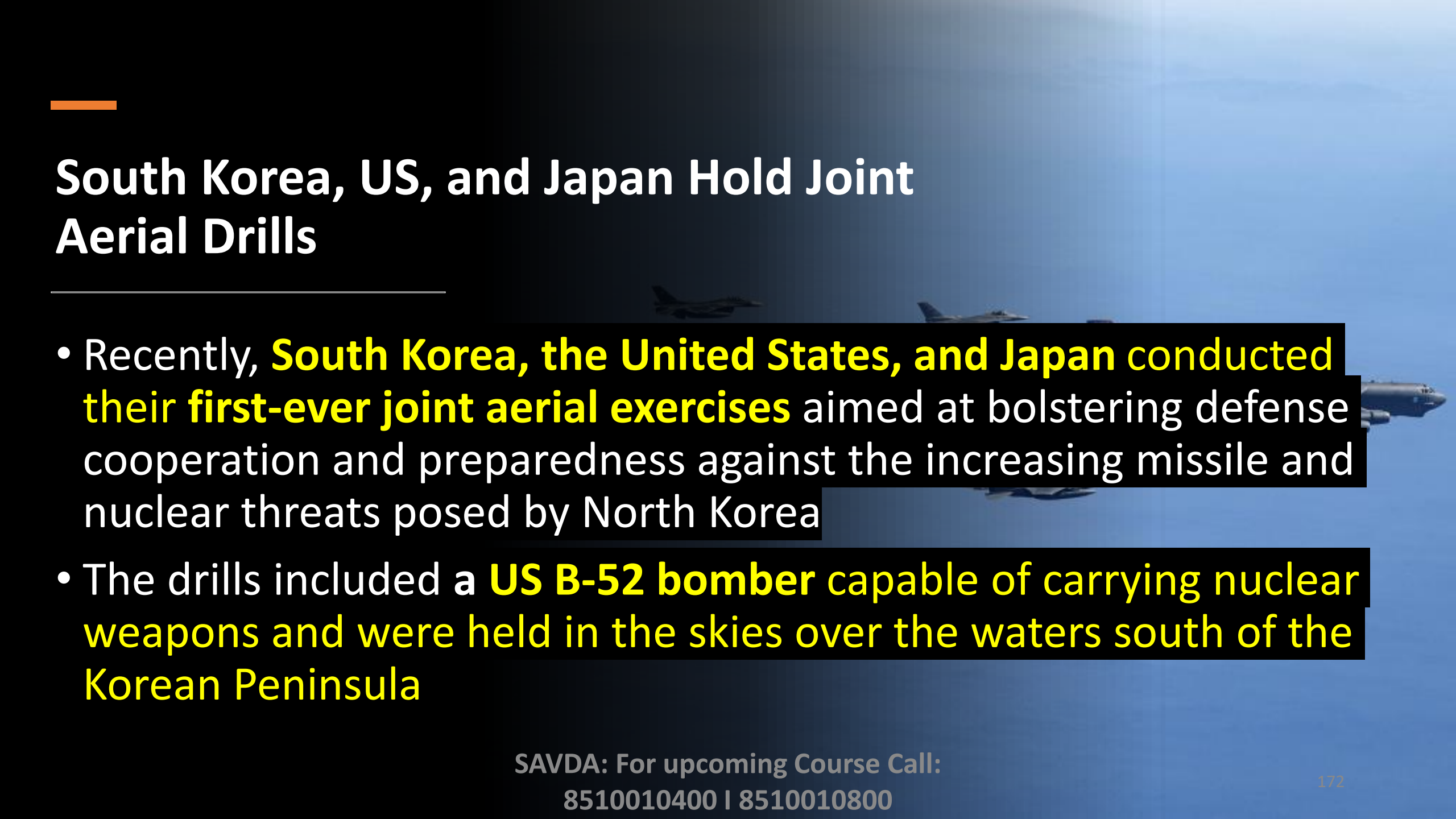
Discovery of Rare Paintbrush Swift Butterfly in Himachal Pradesh

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