# 23 September, 2023

## **El Nino Weather Phenomenon**

HYEYA IAS most trusted since 2003

**Context:** Peruvian President Dina Boluarte called for an international agreement to address El Nino's impacts while addressing world leaders at the United Nations General Assembly (UNGA).

What is El Nino?

- The term "El Nino" originates from Spanish and means "little boy" or "Christ child."
- South American fishermen first identified this phenomenon in the early 17th century.
- El Nino events, characterized by warm Pacific Ocean waters, typically occurred in December, inspiring the name.
   El Nino is a significant ocean-atmosphere climate interaction involving periodic warming in sea surface temperative
  - El Nino is a significant ocean-atmosphere climate interaction involving periodic warming in sea surface temperatures in the central and east-central Equatorial Pacific.
- It is often associated with high atmospheric pressure in the western Pacific.
- > El Nino has adverse effects on the Indian monsoons, impacting agriculture in India.

#### Impact of El Nino on India

#### Normal Monsoon Year:

- Peru's coast has higher pressure compared to northern Australia and Southeast Asia.
- The Indian Ocean is warmer than neighboring oceans, creating relatively lower pressure.
- Moisture-laden winds move from the western Pacific towards the Indian Ocean.
- Lower land pressure in India draws these moist winds inland.

#### El Nino's Impact:

- El Nino warms the surface water off the Peruvian coast.
- Warm water disrupts or reverses the normal trade winds.
- Moisture-laden winds shift towards Peru from the western Pacific (near northern Australia and Southeast Asia).
- This leads to heavy rainfall in Peru during El Nino years.
- India experiences reduced monsoon rains during El Nino events.
- The greater the temperature and pressure differences, the more severe the rainfall shortage in India.

#### La Nina

#### > La Nina Overview:

- "La Nina" translates to "little girl" in Spanish, also known as "El Viejo" or "cold event."
- Occurs when Eastern Pacific water temperatures become colder than usual.
- Results in strong high pressure over the eastern equatorial Pacific.
- Western Pacific and Asian regions experience low pressure.
- Effects of La Nina include drought in Peru and Ecuador, heavy floods in Australia, high temperatures in Western Pacific, Indian Ocean, and off the Somalian coast.
- La Nina tends to bring good monsoon rains to India, making it beneficial for Indian agriculture.

#### Frequency and Duration:

- El Nino and La Nina events typically occur every 2-3 and 5-7 years, respectively.
- El Nino events are more frequent than La Nina.
- Typically, both El Nino and La Nina episodes last for nine to twelve months.

### **Personality Right**

**Context:** The Delhi High Court granted Anil Kapoor's requests for safeguarding his personality rights against unauthorized use by third parties.

#### What is Personality Right?

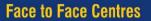
- > Personality rights encompass a celebrity's name, voice, signature, images, or any recognizable features.
- > These features, such as a unique pose or mannerism, are associated with a celebrity's identity.
- Some celebrities even register specific aspects as trademarks for commercial use.
- > The core concept is that only the owner or creator of these distinctive features can profit from them commercially.
- Exclusivity plays a significant role in attracting commercial opportunities for celebrities, and unauthorized use results in actual revenue loss.

#### Legal Action for Protection

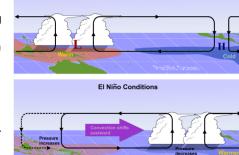
- Celebrities have the option to take legal action by approaching the court.
  - They can seek an injunction against unauthorized third-party use of their personality rights for commercial purposes.
- This legal recourse helps protect their exclusive rights and potential earnings.

#### Personality Rights in India

Personality rights in India are not explicitly defined in statute but are associated with the right to privacy and the right to property.



DELHI MUKHERJEE NAGAR: 9205274741, 42 | LAXMI NAGAR : 9205212500, 9205962002 | RAJENDRA NAGAR: 9205274743 | UTTAR PRADESH PRAYAGRAJ: 0532-2260189, 8853467068 | LUCKNOW (ALIGANJ): 0522-4025825, 9506256789 | LUCKNOW (GOMTI NAGAR): 7234000501, 7234000502 | GREATER NOIDA: 9205336037, 38 | KANPUR: 7887003962, 7897003962 | GORAKHPUR : 7080847474, 9161947474 | ODISHA BHUBANESWAR: 9818244644/7656949029



Walker Circulation: Non-El Niño Condition

# **23 September, 2023**

Legal protection for these rights is relatively new in India, with nascent development.

Intellectual property concepts like passing off and deception from trademark protection can be applied to determine if a celebrity should be safeguarded through an injunction.

#### Challenges for Celebrities:

DHYEYA IAS most trusted since 2003

- Despite obtaining an injunction, it's challenging for celebrities to monitor and address all instances of misuse.
- Celebrities must issue takedown orders to online intermediaries like Google to remove unauthorized content.
- Legal processes involve significant costs but can be beneficial in comparison to the revenue loss suffered by the celebrity.

#### What is Injunction by the Court?

- An injunction is a legal order issued by a court of equity.
- It is initiated by a complaining party (complainant) against a party named as a defendant.
- The injunction directs the defendant to refrain from certain actions or to prevent their agents or employees from taking specific actions.
- > It is issued when the defendant is threatening or attempting to commit an unjust and inequitable act.
- The act in question must be injurious to the plaintiff, and its resolution cannot be adequately addressed through a standard legal action.
- In India, the law of injunction is primarily governed by the Specific Relief Act, 1963.
- Additionally, the Code of Civil Procedure, 1908, also plays a significant role in regulating injunctions within the legal framework.

### Types of Injunctions

- Temporary Injunction:
  - Temporary injunctions are issued for a specific duration or until further court orders are provided regarding the matter.
  - They can be obtained at any stage of a trial and are governed by the Code of Civil Procedure (CPC), 1908.

#### > Permanent Injunction:

- A permanent injunction is granted by the court through a decree made during the hearing and based on the merits of the case.
- Once such a decree is issued, the defendant is permanently prohibited from asserting a right or committing an act that would violate the plaintiff's rights.

### **Statue of Oneness**

**Context:** Madhya Pradesh Chief Minister unveiled a 108-foot-tall statue of the 8th-century spiritual leader Adi Shankaracharya in Omkareshwar town.

- The statue, known as the 'Statue of Oneness,' portrays Shankaracharya as a 12-year-old child during his visit to Omkareshwar.
- The statue weighs 100 tonnes and was conceptualized by an Indian team of artists, sculptors, and engineers.
- Metal casting took place in China's Nanchang city, and the idol was shipped to Mumbai in multiple batches.
- It is made of bronze with a composition of 88% copper, 4% zinc, and 8% tin, and its internal structure is constructed using high-quality steel.
  - The statue's design was inspired by Raja Ravi Verma's depiction of Shankaracharya.

#### Adi Shakaracharya

- Also known as Adi Shankara, he was born on May 11, 788 AD, in Kaladi near Kochi, Kerala.
- > He attained Samadhi at the age of 33 in Kedar Tirth.
- Adi Shankara was a devoted follower of Lord Shiva.
- Philosophical Contributions:
  - He propagated the Doctrine of Advaita, emphasizing Monism.
  - Adi Shankara wrote extensive commentaries in Sanskrit on the Vedic canon, including Upanishads, Brahma Sutras, and Bhagavad Gita.
  - He held contrasting views with Buddhist philosophers.

#### > Major Works:

- Brahmasutrabhasya: A commentary on the Brahma Sutra.
- Bhajagovinda Stotra.
- Nirvana Shatakam.
- Various Prakaran Granths.

#### **Revival of Hinduism:**

- Played a significant role in revitalizing Hinduism in India, countering the rising popularity of Buddhism.
- Established four Mathas in different corners of India: Shingeri, Puri, Dwaraka, and Badrinath, dedicated to the propagation of Sanathana Dharma.
- Advaita Vedanta Philosophy:
  - Articulated a philosophy of radical nondualism rooted in ancient Upanishadic texts.

### **Face to Face Centres**

DELHI MUKHERJEE NAGAR: 9205274741, 42 | LAXMI NAGAR : 9205212500, 9205962002 | RAJENDRA NAGAR: 9205274743 | UTTAR PRADESH PRAYAGRAJ: 0532-2260189, 8853467068 | LUCKNOW (ALIGANJ): 0522-4025825, 9506256789 | LUCKNOW (GOMTI NAGAR): 7234000501, 7234000502 | GREATER NOIDA: 9205336037, 38 | KANPUR: 7887003962, 7897003962 | GORAKHPUR : 7080847474, 9161947474 | ODISHA BHUBANESWAR: 9818244644/7656949029





# 23 September, 2023

- Advaita Vedanta emphasizes the concept of 'brahman' as the ultimate reality, transcending individuality and empirical plurality.
- According to this philosophy, one's self (atman) is fundamentally identical with brahman.
- The core tenet is that atman is pure non-intentional consciousness, nondual, infinite, and identical with brahman.

## SDG Summit 2023

**Context:** Leaders worldwide met in New York on September 18, 2023, for the High-level SDG Summit and pledged to ramp up efforts to achieve the SDGs by 2030.

- Global leaders convened for the UN SDG Summit on September 19, 2023, in New York.
- They pledged to intensify efforts to achieve the Sustainable Development Goals (SDGs) by 2030.

#### **Cost of Achieving SDGs**

- UNCTAD analysis estimated the cost of SDG indicators related to sustainable food systems at \$6.1 trillion annually till 2030.
- This translates to \$1,383 per person per year.

HYEYA IAS most trusted since 2003

- > Shortfall in funding is hindering progress, with a \$328 billion annual gap for 48 developing countries.
- > A 5.7% annual spending increase is required to bridge this gap.

#### Investment Needs by Category

- Different SDG pathways have varying annual costs:
  - Gender Equality: \$6.4 trillion
  - Food Systems: \$6.1 trillion
  - Education Transformation: \$5.9 trillion
  - Energy Transition: \$5.8 trillion
  - Inclusive Digitization: \$5.6 trillion
  - Climate Change, Biodiversity Loss and Pollution: \$5.5 trillion
  - Social Protection and Decent Jobs: \$5.4 trillion

#### Interconnected Indicators

- > The analysis considered interconnected SDG indicators across various goals.
- > It identified synergies, showing how investment in one area can benefit multiple SDGs.

#### Global SDG Funding Gap

- The annual SDG funding gap has increased from \$2.5 trillion before the pandemic to an estimated \$4.2 trillion.
- Leaders acknowledged the need for massive investments to attain SDGs.

#### Debt-for-Nature Swaps

 $\geq$ 

- Leaders advocated for scaling up debt swaps for SDGs, including those focused on climate and nature.
- Debt-for-nature swaps help heavily indebted developing countries address conservation by replacing debts with new loans with lower interest rates.
- > Climate change and extreme weather events pose threats to SDG achievement.
- > Energy transition, vital for SDGs, is projected to cost about \$5.8 trillion annually from 2023 to 2030.

#### Other Key Outcomes

- Leaders called for strengthening multilateral actions and coordination by all creditors.
- > They recommitted to implementing the Paris Agreement and the Sendai Framework for Disaster Risk Reduction.
- Leaders urged for emergency course correction to hasten SDG progress and enhance global cooperation for sustainable development.

# SUSTAINABLE GALS



### **Face to Face Centres**

DELHI MUKHERJEE NAGAR: 9205274741, 42 | LAXMI NAGAR : 9205212500, 9205962002 | RAJENDRA NAGAR: 9205274743 | UTTAR PRADESH PRAYAGRAJ: 0532-2260189, 8853467068 | LUCKNOW (ALIGANJ): 0522-4025825, 9506256789 | LUCKNOW (GOMTI NAGAR): 7234000501, 7234000502 | GREATER NOIDA: 9205336037, 38 | KANPUR: 7887003962, 7897003962 | GORAKHPUR : 7080847474, 9161947474 | ODISHA BHUBANESWAR: 9818244644/7656949029





# 23 September, 2023

News in Between the Lines		
Perovskite	Recently, scientists achieved a breakthrough in the field of perovskite materials. What is Perovskite? Perovskite is a class of materials known for their diverse properties like superconductivity and magnetoresistance. Structure: Perovskite shares a crystal structure similar to calcium titanium oxide (CaTiO3) with a formula ABX3, where "A" and "B" are cations and "X" is anions. Discovery: Gustav Rose discovered Perovskite in the Ural Mountains of Russia in 1839, named after Lev Perovski. Flexibility: Scientists can customize perovskite crystals to have various physical, optical, and electrical properties. Optical Properties: Perovskites efficiently absorb and emit light across a wide range of wavelengths, making them suitable for solar cells and light-emitting devices. Applications: Perovskite finds use in sensors, fuel cells, solar cells, lasers, memory devices and spintronics. Solar Cells: Perovskite solar cells are particularly notable for their potential as low-cost, high-efficiency photovoltaic materials.	
Electronic Voting Machine	<ul> <li>Recently, the Supreme Court declined a plea for an independent audit of the 'source code' of the Electronic Voting Machine (EVM) system.</li> <li>What is Electronic Voting Machine?</li> <li>Electronic Voting Machine (EVM) is an electronic device used in elections to cast and count votes.</li> <li>It consists of two units: the Control unit and the Balloting unit, connected by a cable.</li> <li>Control Unit: The Control unit is with the presiding or polling officer to verify voters' identity.</li> <li>Balloting Unit: It is placed in voting compartments, displays candidate names and symbols with voting buttons.</li> <li>EVM in India:</li> <li>Indian EVMs were developed in 1989 by the Election Commission in collaboration with Bharat Electronics Limited and Electronics Corporation of India Limited.</li> <li>They were first used in a limited capacity in 1982 and for general elections in Goa in 1999.</li> </ul>	
Central Water Commission	<ul> <li>According to the Central Water Commission, the levels in India's 150 major reservoirs are currently below the 10-year average and lower than the same period last year.</li> <li>What is the Central Water Commission (CWC)? Central Water Commission (CWC) is a prominent technical organization in India specializing in Water Resources.</li> <li>Administrative Status: It currently operates as an attached office of the Ministry of Jal Shakti, Department of Water Resources, River Development and Ganga Rejuvenation, Government of India.</li> <li>Functions:         <ul> <li>CWC is responsible for initiating, coordinating, and advancing schemes related to water resource control, conservation, and utilization across India.</li> <li>These schemes encompass Flood Control, Irrigation, Navigation, Drinking Water Supply and Water Power Development.</li> <li>CWC also conducts investigations, construction and execution of relevant projects.</li> <li>Leadership: The Commission is led by a Chairman, holding the status of Ex-Officio Secretary to the Government of India.</li> </ul> </li> </ul>	
Remission	Recently the Supreme Court supports remission for convicts who demonstrate reformation after a prolonged period of incarceration. What is Remission? Remission involves reducing the duration of a sentence without altering its nature. Basis for Remission: Remission is typically granted based on factors like good conduct, reformation, and health considerations. Constitutional Provisions: Articles 72 and 161 of the Indian Constitution empower the President and Governor, respectively, to pardon, suspend, remit or commute sentences. Legal Framework: The Criminal Procedure Code (CrPC), specifically Sections 432 to 435, outlines the procedure for granting remission.	
Rashtriya Vigyan Puraskar	<ul> <li>Recently, the Government of India introduced "Rashtriya Vigyan Puraskar," a set of National Awards in the field of science, technology and innovation.</li> <li>Objectives: Recognize exceptional work by scientists, technologists and innovators, including teams, in various fields.</li> <li>Eligibility: Open to individuals and teams from various sectors, including those of Indian origin abroad.</li> <li>Categories: Awards include lifetime achievements (VR), distinguished contributions (VS), young scientists (VY-SSB) and team efforts (VT).</li> <li>Domains: Recognizes excellence in 13 domains, spanning physics, chemistry, medicine, engineering, and more.</li> <li>Selection: A committee headed by the Principal Scientific Adviser reviews nominations annually.</li> <li>Timeline: Nominations open on January 14, National Science Day, and close on February 28. Awards announced on May 11, National Technology Day, with the ceremony on August 23, National Space Day.</li> <li>Recognition: Awardees receive a certificate and a medal, and these awards hold equal stature with other National Awards.</li> </ul>	

### **Face to Face Centres**

DELHI MUKHERJEE NAGAR: 9205274741, 42 | LAXMI NAGAR : 9205212500, 9205962002 | RAJENDRA NAGAR: 9205274743 | UTTAR PRADESH PRAYAGRAJ: 0532-2260189, 8853467068 | LUCKNOW (ALIGANJ): 0522-4025825, 9506256789 | LUCKNOW (GOMTI NAGAR): 7234000501, 7234000502 | GREATER NOIDA: 9205336037, 38 | KANPUR: 7887003962, 7897003962 | GORAKHPUR : 7080847474, 9161947474 | ODISHA BHUBANESWAR: 9818244644/7656949029



## 23 September, 2023

	Recently, NASA's <b>Osiris-Rex mission</b> is set to return to Earth, carrying a sample of dust collected from <b>asteroid</b>
Asteroid Bennu	Bennu Asteroid Bennu: Bennu is a near-Earth asteroid, which means its orbit brings it close to Earth's path.
Aster ora Denna	Characteristics: It is a mountain-sized space rock, approximately 500 meters (1,640 feet) wide.
	Scientific Significance: Bennu is of great interest to scientists as it holds clues about the origins of Earth and
and the second second	life itself.
	Water Content: It is believed to contain a significant amount of water, possibly up to 10% by weight, bound
and the second s	within its minerals.
	Carbon Content: Bennu also contains about 5-10% carbon, a crucial element for organic chemistry and the
	potential development of life.
	Recently, the Ukrainian missile hits Russia's Black Sea navy headquarters in Crimea.
	Geographic Location: The Black Sea is a significant
	inland sea situated in southeastern Europe.
	Bordering Countries: Black Sea shares its borders with
	Ukraine (north), Russia (northeast), Georgia (east), Turkey
	(south), Bulgaria (southwest) and Romania (west).
Place in News	Connection to Mediterranean: It connects to the
	Mediterranean Sea via the Bosporus Strait, Sea of
	Marmara, and Dardanelles Strait.
	Size: The Black Sea covers an area of approximately
Black Sea	<b>436,000</b> square kilometers (168,000 square miles). <b>Freshwater Inflows:</b> Several rivers, including the <b>Danube</b> ,
	Dnieper and Dniester, provide freshwater inflows to the
	Black Sea, primarily in the northwestern coastal areas.
	Limited Oxygen Levels:
	The Black Sea's deeper waters have lower oxygen levels due to its unique geological and hydrological
	conditions.
	> It is one of the world's largest anoxic basins, with areas characterized by very little dissolved oxygen.
	Islands: The Black Sea contains several islands, with the largest ones being Snake Island (Ukraine), Giresun
	Island (Turkey) and St. Ivan Island (Bulgaria).

## **POINTS TO PONDER**

- \* Who is the author of "Fiction and Beyond"? Ashokamitran (Sahitya Academy Award Winner)
- Under what section of the RBI Act 1934 does RBI mandate AIFIs to maintain a capital adequacy ratio (CAR)? -Section 45L
- \* Where is the Permanent Secretariat of International Congress on the Chemistry of Cement (ICCC) located? Dusseldorf, Germany
- Under which act is radio broadcasting covered in India? -Indian Wireless Telegraphy Act, 1933
- \* Who is honored by the "Statue of Oneness" in Omkareshwar? Adi Shankaracharya

DHYEYA IAS most trusted since 2003

### Face to Face Centres

DELHI MUKHERJEE NAGAR: 9205274741, 42 | LAXMI NAGAR : 9205212500, 9205962002 | RAJENDRA NAGAR: 9205274743 | UTTAR PRADESH PRAYAGRAJ: 0532-2260189, 8853467068 | LUCKNOW (ALIGANJ): 0522-4025825, 9506256789 | LUCKNOW (GOMTI NAGAR): 7234000501, 7234000502 | GREATER NOIDA: 9205336037, 38 | KANPUR: 7887003962, 7897003962 | GORAKHPUR : 7080847474, 9161947474 | ODISHA BHUBANESWAR: 9818244644/7656949029

