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EN-BUZZER

**Daily News
Analysis**

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1. Intergovernmental Panel on Climate Change (IPCC) and UNFCCC

Prelims Perspective: What needs to be learned?

- What is IPCC, its origin, and its objective?
- What is UNFCCC, Origin, and Major COPs

Mains Perspective: Notes need to be prepared

- Climate Change (GS III - Environment)

What needs to be known?

- **Intergovernmental Panel on Climate Change (IPCC)**
 - **What is it?** : It is a UN body established by the **World Meteorological Organization (WMO) and the United Nations Environment Programme (UNEP)** with its headquarters at Geneva, Switzerland.
 - **Objective:** To study climate change.
 - **Significance:** IPCC reports are also key inputs into international climate change negotiations under the **United Nations Framework Convention on Climate Change (UNFCCC)**.
- **United Nations Framework Convention on Climate Change (UNFCCC)**.
 - **What is it?**: It is an international treaty formed in the Rio Earth Summit (1992) to coordinate the global response to climate change.
 - **Headquarters**: Bonn, Germany
 - **Objectives**
 - ★ The primary role of UNFCCC is to provide a framework for negotiating specific international treaties, known as “protocols.”
 - ★ UNFCCC itself sets no binding limits but aims to stabilize greenhouse gas (GHG) concentrations in the atmosphere at a level preventing dangerous consequences.
 - **Funding**: Under Green Environment Fund (GEF)
 - **Major COPs and Outcomes**
 - ★ **COP 3 (1997)**: Kyoto Protocol
 - ★ **COP 16 (2010)**: Established the **Green Climate Fund (GCF)**.
 - ★ **COP 21 (2015)**: **Parties Agreement and Nationally Determined Contributions (NDCs)**.

2. El Nino

Prelims Perspective: What needs to be learned?

- El Nino
- Cause and Impact
- La Nina

Mains Perspective: Notes need to be prepared

- climatology(GS I - Geography)

What needs to be known?

- El Nino

→ **What is it?:** El Niño (meaning “the little boy” in Spanish) is a **climate pattern that describes the unusual warming of surface waters in the eastern Pacific Ocean, which occurs irregularly in 2 - 7 years**

→ **Formation**

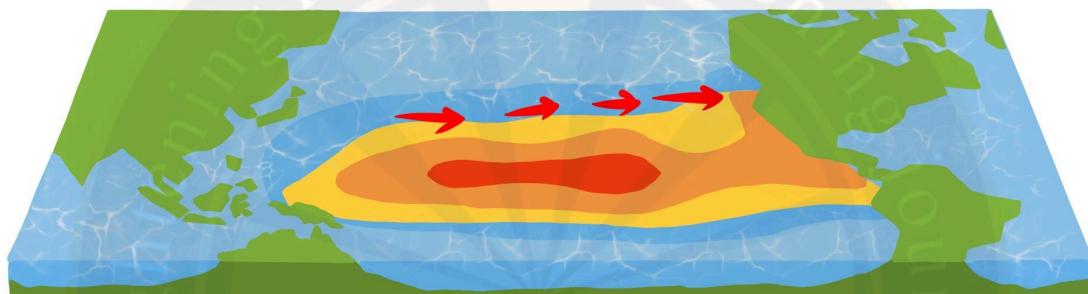
- ★ Trade winds weaken or reverse, reducing westward push of warm water.
- ★ Warm water shifts eastward toward the Americas.
- ★ Upwelling of cold, nutrient-rich water off South America weakens.
- ★ Walker circulation collapses/weakens, altering global weather patterns.

→ **Impact**

- ★ **South Asia (India):** Often leads to **weak monsoons and increased risk of drought.**
- ★ **South America:** Heavy rainfall and flooding in Peru and Ecuador; droughts in Brazil.
- ★ **North America:** Warmer, drier winters in the North; wetter, cooler conditions in the South.
- ★ **Australia/SE Asia:** Severe droughts and increased risk of bushfires.



EL NIÑO



LA NIÑA



3. Aralam Wildlife Sanctuary

Prelims Perspective: What needs to be learned?

- Aralam Wildlife Sanctuary
- Declaration of Wildlife Sanctuary
- National Parks and Biosphere Reserves in Kerala
- Wildlife Protection Act, 1972

Mains Perspective: Notes need to be prepared

- Biodiversity Conservation(GS III- Environment)

What needs to be known?

- Aralam Wildlife Sanctuary

- ★ **Location:** Western slope of the Western Ghats in Kerala.
- ★ **Rivers:** Cheenkannipuzha
- ★ **Fauna:** Malabar grey hornbill, Malabar giant squirrel and butterfly species such as Malabar banded peacock.
- ★ **Vegetation:** Tropical and semi-evergreen forests.
- ★ **Tribes:** Cholanaikar (PVG'T) and Paniyar

- Declaration of Wildlife Sanctuary

- ★ Declared under the Wildlife Protection Act, 1972, by both central and state governments.