



Emissions Gap Report 2025 | National Current Affairs | 08 Nov 2025

Why in News?

The **United Nations Environment Programme (UNEP)** released its **Emissions Gap Report 2025**, titled "*Off Target*", warning that current **climate pledges under the Paris Agreement** are insufficient to meet the 1.5°C target.

Key Points

- **Projected Warming Levels:**
 - Under the current policies, the world is projected to warm by approximately **2.8°C by 2100**.
 - If all **Nationally Determined Contributions (NDCs)** are fully implemented, the projected warming could be reduced to around **2.3-2.5°C** by the end of the century.
 - Only a **marginal improvement** from last year's (2024) estimate of **2.6-2.8°C**, showing limited new ambition.
- **Influencing Factors:**
 - **Methodological adjustments** improved projections by 0.1°C.
 - **US withdrawal from the Paris Agreement** expected to offset the same 0.1°C gain.
- **Reduction Targets by 2035:**
 - To limit global warming to **2°C**, global greenhouse gas emissions must decline by **35% below 2019 levels by 2035**.
 - To achieve the more ambitious **1.5°C target**, emissions need to fall by **55% below 2019 levels** within the same period.
 - However, **UNEP warns that a temporary overshoot of the 1.5°C threshold is very likely within the next decade**, underscoring the urgency for deeper and faster emission cuts.
- **Positive Indicators:**
 - Projected temperature rise has dropped from **3-3.5°C (2015)** to around **2.5°C (2025)**, reflecting progress since the **Paris Agreement**.
 - **Solar and wind** technologies are rapidly scaling, cutting deployment costs globally.

United Nations Environment Programme (UNEP)

- Established in **1972**, following the **UN Conference on the Human Environment (Stockholm)**.
 - **Headquarters:** Nairobi, Kenya
 - Acts as the **leading global environmental authority**, coordinating international environmental efforts and assisting nations in implementing sustainable policies.
 - **Flagship Reports:**
 - Emissions Gap Report
 - Adaptation Gap Report
 - Global Environment Outlook (GEO)
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State of Food and Agriculture (SOFA) 2025 Report | National Current Affairs | 08 Nov 2025

Why in News?

The [Food and Agriculture Organization \(FAO\)](#) has released the State of Food and Agriculture (SOFA) 2025 report titled “Addressing Land Degradation Across Landholding Scales”.

Key Points

- **Key Findings:**
 - **Global Cropland Decline:** Around **20% of global croplands** show declining productivity due to soil erosion, nutrient depletion, and loss of organic carbon.
 - **Regional Impact:** Asia and Africa are the **most affected**, with severe yield gaps (up to 70% below potential levels) in South Asia and sub-Saharan Africa.
 - **India's Status:** India recorded **one of the highest yield gaps globally**, attributed to land misuse and declining soil fertility.
 - **Key Drivers:** Deforestation (90% of forest loss), monocropping, excessive fertilizer use, unsustainable irrigation, and poor soil management.
- **Land Degradation:**
 - **Land degradation** is defined as the **long-term decline in land's ability to provide essential ecosystem services**, caused by natural processes and human actions like **deforestation**, overgrazing, and unsustainable irrigation.
- **Land Degradation Neutrality (LDN):**
 - It refers to a global goal aimed at ensuring that the **amount and quality of land resources remain stable or improve over time**.
 - The concept was adopted under the **United Nations Convention to Combat Desertification (UNCCD)** in **2015** as part of the **Sustainable Development Goal (SDG) 15.3**.
 - **Land Degradation Neutrality (LDN) Hierarchy:** Avoid > Reduce > Reverse land degradation- a core FAO principle to restore ecological balance.

Food and Agriculture Organization (FAO)

- The **Food and Agriculture Organization (FAO)** was **established in 1945**.
- It is **headquartered in Rome, Italy**.
- It functions as a **specialized agency of the United Nations**.
- It has **194 member countries**, including the **European Union**.
- It aims to **end hunger, improve nutrition, ensure food security, and promote sustainable agriculture**.
- **Flagship Reports:**
 - State of Food and Agriculture (SOFA)
 - State of Food Security and Nutrition in the World (SOFI)
 - State of World Fisheries and Aquaculture (SOFIA)
 - State of the World's Forests (SOFO)
- **India and FAO:** India is a founding member; FAO supports India's National Food Security Mission, Soil Health Card Scheme, and Sustainable Land Management initiatives.