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April 2025 - May 2025

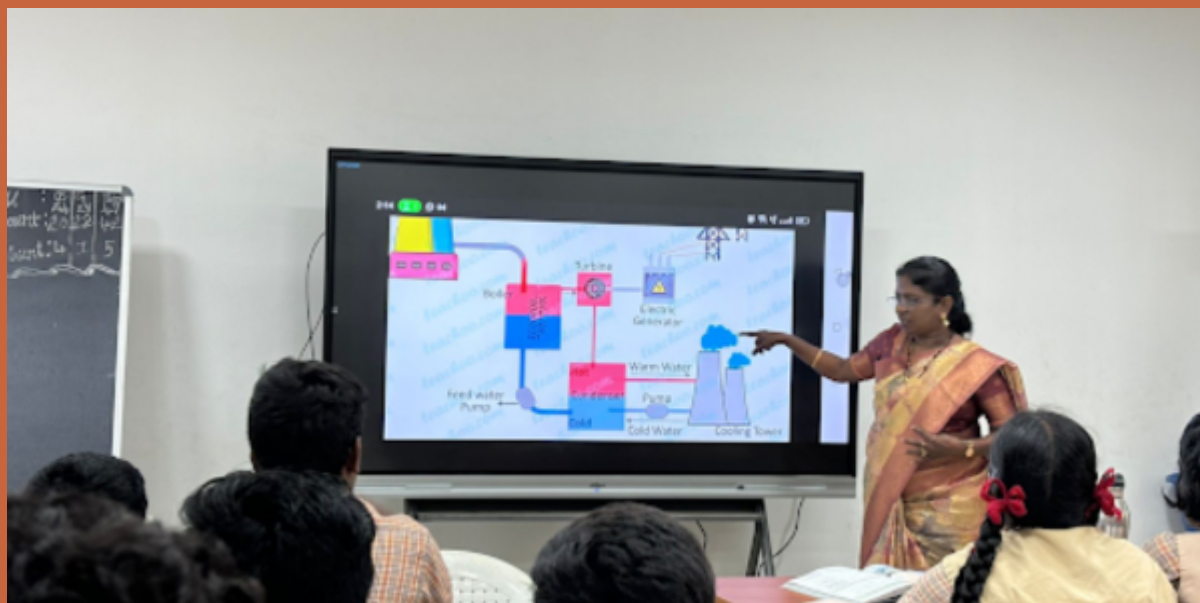
Your bi-monthly climate connection is here!

As the world grapples with record-breaking heat, global climate updates warn of a high probability of exceeding the 1.5°C threshold by 2029. April 2025 was the second warmest on record, with shrinking snow cover and alarming sea ice loss. Recognising the urgency of climate awareness, India should empower students through climate education in schools, ensuring that the next generation is equipped to understand and address the crisis.

India continues to make strong progress in clean energy, with impressive growth in renewable capacity this year, driven largely by solar power, which now forms the backbone of the country's green transition. India has added 29.52 GW of renewable energy capacity in the fiscal year 2024–25, pushing the total installed renewable capacity to 220.10 GW as of March 31, 2025. In other parts of the world, China's emissions have declined despite economic growth, thanks to a rapid clean energy shift and policy support.

This is our bi-monthly dispatch of updates and insights on renewable energy, energy transition, climate change and the environment in general. We hope you enjoy reading it!

Happenings from home



In India, where over 85% of districts face extreme climate events, climate education remains marginal in school curricula. Recognising this gap, new initiatives aim to embed climate literacy into classrooms. In line with this effort, CAG launched the FOCUS for Beginners textbook—Facts on Climate Change Unravelled for Students, for Grades 3 to 5, introducing young learners to climate change through age-appropriate lessons rooted in local contexts. By connecting lessons to local experiences, such as heatwaves or erratic rainfall, educators aim to empower students to understand and take action on the climate crisis. This effort marks a shift toward placing climate and sustainability at the heart of India's school education. This article is authored by CAG as part of its ongoing work to strengthen climate literacy in schools.

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From the corners of the country



India's renewable energy generation is lagging behind its installed capacity due to weather variability, surging electricity demand, and infrastructural challenges. Despite significant investments and a growing capacity in solar and wind energy, actual power generation remains inconsistent. Factors such as erratic rainfall have led to a 16.3% drop in hydropower output, the steepest in nearly four decades, forcing increased reliance on coal to meet demand. Additionally, the lack of adequate energy storage systems and transmission infrastructure hampers the efficient use of renewable sources. As India's energy needs continue to rise, addressing these challenges is crucial for achieving its clean energy goals and ensuring a stable power supply.

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From around the world



China's greenhouse gas emissions have declined for the first time, even as its economy and energy demand continue to grow. According to a report by the Center for Research on Energy and Clean Air, emissions fell by 1% over the past year, mainly due to China's rapid expansion of clean energy sources like wind, solar, and nuclear.

This shift marks a significant milestone, as previous emissions reductions were typically linked to economic slowdowns. China's ability to decouple emissions from economic growth places it alongside over 30 nations with similar progress. While challenges remain, such as potential rebounds and the need to address other pollutants, this development puts China ahead of schedule in meeting its goal to peak emissions before 2030 and contributes positively toward global climate targets.

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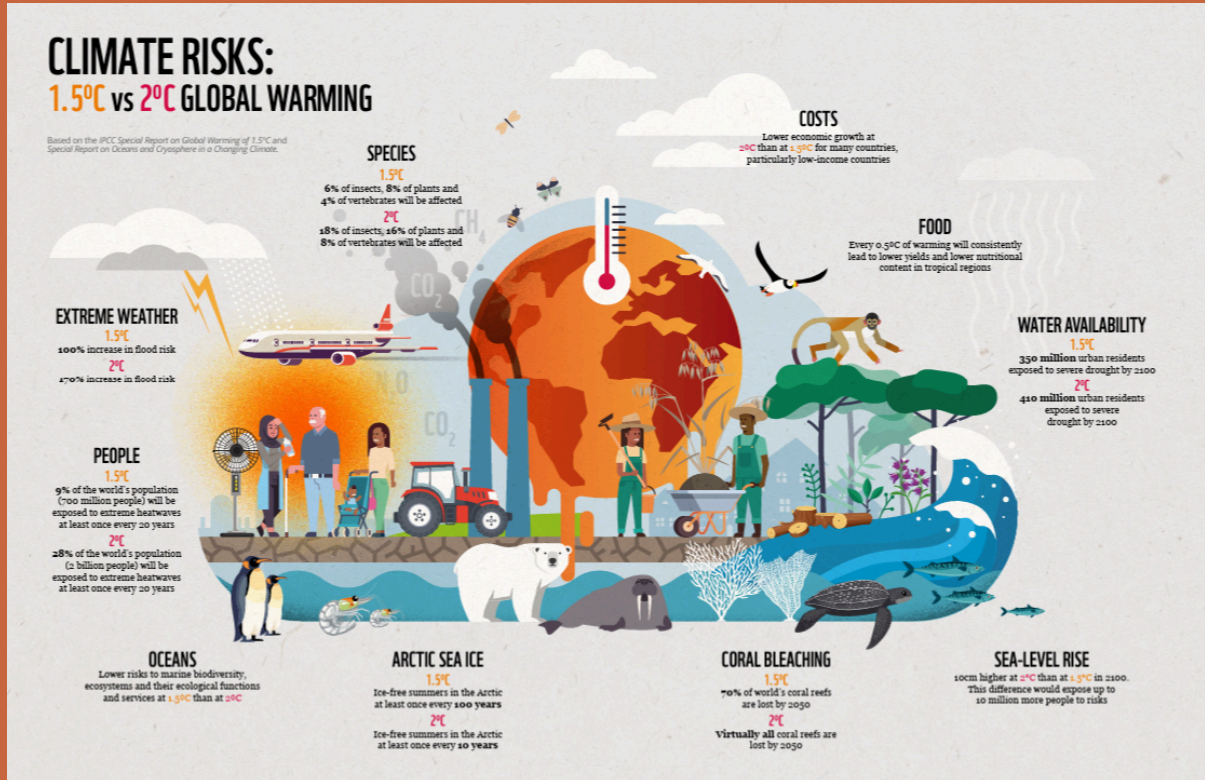
Global warnings



The World Meteorological Organization's Global Annual to Decadal Climate Update (2025–2029) warns of escalating climate risks. There's an 86% chance that at least one year in this period will exceed 1.5°C above pre-industrial levels, and a 70% likelihood that the five-year average will surpass this critical threshold. Global temperatures are projected to range between 1.2°C and 1.9°C above the 1850–1900 baseline, with an 80% chance that at least one year will be warmer than 2024, the current record-holder. The Arctic is expected to warm 2.4°C above the 1991–2020 average. This is more than three times the global rate, accelerating ice melt and sea-level rise. These projections underscore the urgent need for deep, sustained global action to mitigate the worst impacts of climate change.

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In a nutshell



The accelerating climate crisis is placing immense pressure on biodiversity across the globe. Even a 1.5°C rise in temperature could push many species toward extinction, disrupting ecosystems and the vital services they offer. To avoid irreversible damage, it is crucial to take urgent and sustained action: limiting global warming, reducing emissions, and preserving natural habitats. Immediate emission cuts are essential to protect biodiversity and secure a resilient, sustainable future for all life on Earth.

[Know more](#)

Nugget



Do you know that India's solar power capacity has crossed a remarkable 107.9 GW?
This growth is a major boost to the country's green energy goals, driving cleaner electricity generation and reducing dependency on conventional source of energy.

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Sustainable public procurement in India's energy sector



A recent analysis by CAG offers a detailed overview of Sustainable Public Procurement (SPP) policies in India's energy sector, outlining existing frameworks, key gaps, and challenges in implementation. Drawing on global best practices, it presents actionable insights to better align public procurement with India's climate commitments and energy transition objectives. The goal is to support policymakers in building a more sustainable, energy efficient, and inclusive procurement system.

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Understanding the level of climate literacy and environmental attitudes among selected members of Tamil Nadu legislative assembly



A study titled Understanding the Level of Climate Literacy and Environmental Attitudes Among Selected Members of Tamil Nadu Legislative Assembly authored by CAG, assesses how well MLAs understand climate issues. Findings show that 35% scored very low on climate literacy, while only 15% achieved high scores. The results highlight the pressing need for targeted education, improved access to climate research, and reliable information sources to support informed policymaking and strengthen environmental governance in Tamil Nadu.

[Know more](#)

Coming soon!



Climate Action Month 2025 is just around the corner! This July, there will be events across Chennai celebrating action against climate change. To know more about events local to you, please follow us on our social media pages.

Come, be a part of climate action!.



CAG

Citizen consumer and civic Action Group

Climate Connection is an initiative of Citizen consumer and civic Action Group (CAG) to assist and inform local communities, grassroots NGOs, environment and consumer groups, village representatives and media representatives on how to embrace renewable energy, navigate energy transition, mitigate climate change, and protect the environment they live in. We create change by developing and disseminating information resources on air pollution, climate change, environment and policies surrounding these issues.



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