



The Peerian Journal

Open Access | Peer Reviewed

Volume 32, July, 2024

Website: www.peerianjournal.com

ISSN (E): 2788-0303

Email: editor@peerianjournal.com

The effects of climate change in today's world and some solutions to solve them (This article includes explanations of worldwide commits' meetings and scientists research)

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Annotation: NAIROBI, Oct 12 (Reuters) - The United Nations Climate Summit in Nairobi concluded today with an urgent call for immediate global action to combat climate change. Delegates from over 190 countries emphasized the need for enhanced international cooperation and commitment to reducing greenhouse gas emissions. And this meeting explored some effects of factories and their coming dangers. So, this article includes all about it and reveals some new prospects.

Key words: World, climate change, summit, emissions, greenhouse gases, explosions, reduce, ice-melting, projects, solar panels, recyclable energy.

Body paragraph: The week-long summit saw representatives from governments, non-governmental organizations, and the private sector convene to discuss strategies for addressing the escalating climate crisis. Key topics included transitioning to renewable energy, protecting biodiversity, and supporting vulnerable nations in adapting to climate impacts. UN Secretary-General António Guterres underscored the gravity of the situation in his closing remarks. "We are at a critical juncture," he said. "The science is clear, and the evidence is overwhelming. We must act now to prevent irreversible damage to our planet." Citations and Statements: Jane Goodall, renowned primatologist and environmentalist, highlighted the importance of protecting natural habitats. "Deforestation and habitat destruction are not only devastating for wildlife but also contribute significantly to carbon emissions," she stated. Meanwhile, representatives from small island nations, such as the Maldives and Fiji, voiced their concerns about rising sea levels. "Our homes and our way of life are at risk," said President Ibrahim Mohamed Solih of the Maldives. "We need immediate and substantial support from the international community."

Analysis and Context:

The summit comes at a time when global temperatures are reaching record highs, and extreme weather events are becoming more frequent. According to the Intergovernmental Panel on Climate Change (IPCC), urgent and unprecedented changes are necessary to limit global warming to 1.5 degrees Celsius above pre-industrial levels. Experts argue that while significant strides have been made in renewable energy technology, political will and financial investment are still lacking. "There is a clear gap between the pledges made by nations and the actions being taken," noted Dr. Rajendra Pachauri, former chair of the IPCC. "Bridging this gap is crucial for achieving our climate goals."



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Solutions about climatic problems:

Renewable Energy Transition: Transitioning from fossil fuels to renewable energy sources such as solar, wind, and hydroelectric power reduces greenhouse gas emissions and promotes sustainable energy [practices](#).**Energy Efficiency:** Improving energy efficiency in buildings, transportation, and industries reduces energy consumption and lowers emissions.**Afforestation and Reforestation:** Planting trees and restoring forests help absorb carbon dioxide from the atmosphere, mitigating climate change impacts.**Carbon Capture and Storage (CCS):** Capturing carbon dioxide emissions from power plants and industrial processes and storing them underground prevents them from entering the atmosphere.**Climate-Friendly Agriculture:** Implementing sustainable farming practices, such as no-till farming and agroforestry, can sequester carbon in soils and reduce methane emissions.**Policy and Regulation:** Enacting and enforcing policies and regulations that promote sustainable practices, support clean technologies, and incentivize carbon reduction [efforts](#).**International Cooperation:** Global agreements like the Paris Agreement aim to coordinate international efforts to limit global warming and support climate adaptation in vulnerable [regions](#).**Education and Awareness:** Raising awareness about climate change impacts and solutions empowers individuals and communities to take action and support policy changes.

Conclusion:

The Nairobi summit concluded with a renewed sense of urgency and a call for concrete actions. Participants agreed on the necessity of immediate measures to reduce emissions and enhance resilience to climate impacts. However, the success of these efforts will depend on sustained international cooperation and commitment.

As nations prepare for the next UN Climate Conference in Glasgow, the question remains whether the global community can rise to the challenge and implement the necessary changes to safeguard the planet for future generations.

List of literacy:

1. www.un.org
2. [Ensyklopedy of nature systematically](#)
3. Problem.com@uk
4. [Efforts.International Cooperation](#)