



**Country** : The Federative Republic of Brazil

**Committee** : United Nations Framework Convention on Climate Change

**Agenda** : Strengthening international cooperation to achieve net-zero goal .

The escalating climate crisis demands a unified and urgent response with international collaboration as the fundamental element for any substantial advancement. As a renowned country for its rich ecological diversity and its leadership in global environmental initiatives, Brazil acknowledges its crucial responsibility in tackling climate change. For achieving net-zero goals international cooperation is indispensable, as it enables the pooling of resources, sharing of advanced technologies, and alignment of global policies, ensuring a unified and effective response to the interconnected challenges of climate change. As a developing nation, Brazil plays a pivotal role in combating climate change, housing the Amazon Rainforest—the planet's vital "lungs"—and championing initiatives like "Zero Deforestation" and the "Amazon Fund." To limit warming to 1.5°C, achieving net-zero emissions by 2050 is imperative, not just for the environment but for a sustainable future.

To understand the challenges of achieving Net Zero emissions, we must first analyze the primary sources of anthropogenic (human-caused) carbon dioxide emissions. These sources include fossil fuel combustion, deforestation, industrial processes, and even natural sources. Also, barriers to create international cooperation for achieving net-zero goals include inadequate financial mechanisms that limit investment in sustainable technologies and divergent national policies that hinder cohesive global action, exacerbated by geopolitical tensions that complicate collaboration. Additionally, the lack of a unified framework for technology transfer and innovation further impedes effective international partnerships necessary for a successful transition to a low-carbon economy.

The global journey towards net-zero emissions, shaped by pivotal agreements like the 2015 Paris Agreement, ratified by Brazil, commits nations to limit warming below 2°C, aiming for 1.5°C, through voluntary Nationally Determined Contribution (NDCs) targeting net-zero by 2050 or beyond. Brazil's commitment to reduce net greenhouse gas by 59% to 67% by 2035 has been outlined in the second Nationally Determined Contribution (NDC). In 2022, at Conference of Parties 28 (COP) under UNFCCC Brazil proposed a new financing mechanism, the Tropical Forests Forever Fund (TFFF) which aims to pay countries to keep forests intact. Additionally, UN Resolution 75/303, passed in 2021, recognized the importance of climate action and net-zero emissions in achieving the UN's broader sustainable development goals (SDGs), signaling international consensus on the need for a coordinated global response to the climate crisis.

To strengthen international cooperation in achieving net-zero goals, Brazil proposes the following measures :

- a. Technology Transfer and Development Initiatives : Promote collaborative effort internationally to transfer advanced renewable energy technologies . Also, foster partnership mechanisms in Research and Development that enhance innovation & commercialization .
- b. Financial Cooperation : Calls for coordinated actions in financial assistance for mobilizing investments in energy transitions, green energy fund, R&D (research and development ) sector. Inclusive financial framework ensures adequate support to other countries .
- c. Policy Alignment & Standards : Establish common regulatory standards across countries , aligning national regulations with international standards, can facilitate smoother implementation of frameworks and policies to achieve net-zero goals.
- d. Establishment of Global Green Technology Innovation Hubs : By promoting green technologies internationally and fostering global cooperation these hubs would serve as collaborative platforms that bring together governments, private sectors, research institutions, and civil society from various countries to share knowledge, best practices, and resources related to green technologies.
- e. Facilitate International Dialogue for Achieving Global Cooperation : Global engagement in discussions and dialogues allows for the development of long-term relationships among stakeholders, fostering collaboration beyond single events. The inclusive discussions can overcome geographical barriers as well other global challenges. These platforms enhance cooperation and collective action towards achieving net-zero goals, ensuring that all stakeholders have a voice in shaping effective climate policies and initiatives.

**References :**

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