

# The Future of mankind in Global Warming Perspective

## 1. Introduction

1. The existence of mankind is exquisitely influenced under planetary warming.
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3. Global warming has proved to be an existential threat to mankind.

## 4. Factors enhancing the Global warming

1. Anthropogenic activities are the root cause of global warming

1.1. Over reliance on fossil fuels

1.2. Massive and unplanned urbanization.

1.3. Deforestation and wildfires

1.4. Industrialization increasing pollution

1.5. Negligible global cooperation on climate

Now

Global Warming becoming a threat to mankind:

4.1- Excessive emission of  $\text{CO}_2$

4.2- Increase in Earth's surface temperature

4.3- Receding of glacial bodies

4.4- Floods and drought undermining

agricultural yield

4.5- Coral bleaching and marine life loss.

Measures already taken to fight with the menace of global warming

(i)- Kyoto Protocol aimed to reduce green house gases below 5%.

(ii) Montreal protocol to protect ozone layer by reduction in CFCs.

(iii) Paris agreement (2015) to keep earth's temperature below  $1.5^\circ\text{C}$  in pre-industrial level.

(iv) National Climate Change Policy (2021)

## 6. Roadmap to mitigate global warming - a threat to mankind

### 6.1 - Switch to renewable energy sources

- Case in Point

Aiming for 60% renewable energy in the power mix by 2030

### 6.2 ~~Increasing usage of vehicles~~ to reduce carbon emission

- Case in Point

MIT's report from 2019 shows that a fully electric vehicle emits 25% less carbon

### 6.3 ~~Reforestation and Aforestation~~ to increase carbon sinks

- Case in Point

IUCN suggest that afforestation could potentially offset upto 1.1 gigatons of CO<sub>2</sub> emission annually by 2050

6.4. - Reduce the use of plastic and follow 3Rs technique.

- Case in Point

As per UN, about 99% of plastic originates from fossil fuels like (oil, gas, coal)

6.5 Climate adaptation

fund allocation for victim countries of climate change

- Case in point

\$1.5 billion fund allocated

for climate adaptation fund.

Conclusion

Climate change is the ~~single~~ greatest threat to a sustainable future but, at the same time, addressing the climate challenge presents a golden opportunity to promote prosperity, security and a brighter future for all.

--- Ban Ki-moon ---

As per sustainable development goal of United Nations (SDGs-13) climate change has global repercussions. It calls for integrating climate measures into policies and planning, improving education for awareness, and mobilizing finance for mitigation. Although, this has become a global emergency but adaptation for building climate resilient infrastructure is imperative. The wide range of factors are there to exacerbate the already persistent situation; such as anthropogenic activities

like urbanization, deforestation and reliance on fossil fuels further deteriorate the environment.

These factors have far reaching repercussions ranging from glacial and ice cap melting, to heatwaves, floods, droughts and climate driven ~~may~~ migration. In addition to these implications, food security has also ~~become~~ become an existential threat for survival of mankind.

Therefore, mitigation techniques like climate resilient infrastructure, electric vehicles, renewable energy shift and adaptation strategies can be employed to prevent the excruciating impact of global warming.