

# Climate Solutions

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## Outline

### 1. Introduction

A. Definition of climate

B. Thesis statement: Climate change is a threat confronting humanity in particular and the globe in general. It requires a pragmatic approach towards it, while making sure its implementation in both letter and spirit.

### 2. Decoding the key term Climate

- weather, precipitation, humidity

### 3. Devastating Impacts of Climate Change

A. Happening of natural disasters.

(2022) - Floods (key case of Pakistan 2022)

B. Rise in sea-levels detrimental to population

C. Change in rain patterns hurt the agriculture practices

- Low production.

- Deteriorated quality

D. Global heating of globe

(Reports by Conference of Parties)

### 4. Climate Solutions

A. Massive tree plantation drives

required (key case of Ten-billion-tree tsunami)

B. Need to transform from non-

renewable energy sources to

renewable energy sources

C. Introduction and implementation

of Electric-vehicles policies

D. Introduction of Carbon taxation

system worldwide

E. Vibrant role of media in highlighting climate concerns

F. Enhancing climate preparedness of countries

(key case of Singapore)

G. Prioritising recycling for a trickle down effect on climate

H. Enactment of prudent laws to penalize violators of climate treaties

I. Social media climate awareness campaigns

J. Strict action against deforestation

K. Building and developing climate

resilient infrastructure (key case of Japan)

## 5. Conclusion

21st century has experienced significant changes to the climate. Therefore, the term climate has become so popular among all corners of the world. It refers to the average change in precipitation levels, humidity and weather patterns, in specific in the long run. Events like the

Industrialization in Europe and the invention of motor engine were instrumental in deteriorating climate.

These its devastating impacts like global rise in temperatures, rise in sea levels, and the natural disasters are detrimental for the globe and humanity. Therefore, it is high time to come up with some practical policy prescriptions to minimize this deteriorating climate.

Climate solutions require tree plantation drives, shifting from fossil fuel burning to renewable sources, implementation of electric vehicles policies, introducing carbon taxation, enactment of prudent laws that support climate change initiatives, and a vibrant role of media. The world can be made a better and safer place to live in by implementing all these solutions.

The essay will define the term climate with brief explanation of its <sup>disastrous</sup> impacts, and will mainly focus on climate solutions by giving policy prescriptions in detail.

Understanding the key term climate is pertinent for better understanding of the essay. Climate is an average change, in the long run, in weather patterns, precipitation

and humidity of a particular region, area or globe. The term has gained currency after the advent of industrialization in Europe. The drastic changes in climate concerned the world and led it to climate studies; like impacts, reasons and solutions.

Climate change became so popular primarily because of its devastating and hazardous impact. These impacts were disastrous to human populations and they continue to wreak havoc to the world and the humans residing in it. Its impacts mainly include the following.

Firstly, the heating of globe made the glaciers melt rapidly. Melting of glaciers led to unprecedented floods. These floods resulted in loss of lives, displacement of human populations, and destroyed infrastructure and agriculture. Same did happen in Pakistan, in 2022; when unprecedented floods wiped away inhabitants of south

North-western Sindh.

It also inflicted economic pain to the economy of country. Therefore, climate change by heating of globe results in disastrous natural disasters.

Secondly, the change in climate result in torrential rains, and floods, which ultimately rise the sea levels. The rise in sea levels is detrimental to the scores of people residing next to coastal areas and also to the general population. Besides, it decreases the land area of a country as it did

in Thatta district of Sindh Pakistan, where more than one acre of land, due to rise in sea levels is taken by the sea. The populations on the coast lose their livelihoods associated with coastal businesses, and often become homeless in sea level

rise. Therefore, climate change results in detrimental sea level rises.

Thirdly, the change in rain patterns due to changing climate hurts the agriculture. It does so by not raining during

the times of need and raining excessively when the crop is ready to be cashed. All of this hurls the agricultural production of a country, and leads to a deteriorated quality amid the untimely rains. Thus, the change in rain patterns, a cause of climate change, is detrimental to the agricultural production of a country.

Fourthly, global heating of globe is a catastrophe in itself. It presents humans with unbearable summers, a tough working conditions and

make public life lazy and hard to survive. It can be evidenced from the fact that the global temperature have risen about  $1.5^{\circ}\text{C}$  in the past century, and is likely to rise further  $1^{\circ}\text{C}$  until 2030-40.

(United Nations Body on Climate Change - 2021) Therefore, the rising of temperatures is a catastrophic impact of climate change in the world.

All of this situation paints a gloomy picture of climate, and

tells about the hazardous impacts of climate change in the world. Provided that, it is high time the world comes up with some practical solutions to deal with the climate. This will be in the collective benefit of mankind. Therefore, the climate solutions would be the following.

Firstly, the world needs to run massive tree plantation drives, like the ten billion tree tsunami initiative taken by Pakistan.

"The world needs to follow green initiatives of Pakistan as the ten billion tree tsunami"

- Boris Johnson  
(PM of U.K)

The tree plantation will improve the climate by cooling down the planet and sucking excessive water for safeguarding countries from natural disasters. Thus, the tree plantation drives are required at <sup>each and</sup> every corner of the world.

Secondly, the time has come for the world to shift towards renewable - climate friendly - energy sources like wind energy,

Solar energy and geothermal energy. Given the catastrophic impacts of non-renewable energy sources and their carbon emissions, they are the prime reasons for heating the globe. Shifting to renewable energy sources would minimize carbon emissions and ultimately improve the climate. It would require the world to rely less on fossil fuels burning like coal, petrol, and gas. Therefore, the world should shift to renewable energy sources for dealing with climate effectively.

Thirdly, introduction and implementation of electric vehicles (EV) would automatically shift the focus from fossil fuels to run motor cars, bikes, engines and industries to climate friendly EV cars, bikes and engines. This will slow down heat emitted by these automobiles and improve air quality, humidity and make the environment human friendly. Therefore, introduction and implementation of EV policies will bear the fruit and resolve the climate issue.

Moreover, the



world needs to introduce an effective carbon taxation system; which should tax the countries according to their contribution to global emissions. The tax collected money would then be utilized by the countries prone to the impact of climate change. This would also result in decrease of global emissions due to presence of heavy carbon taxes. Thus, the introduction of carbon taxation system can prove to be a game changer for climate concern.

more importantly, vibrant media can contribute a lot to the cause of climate positively. Given its wide-reach, the media can play an active role in highlighting climate related concerns. This will inform public at large about the devastating impacts of climate change and would educate them to not do acts which contribute to the climate change. Thus, the media can play role of an opinion leader to bring positive climate change.

In addition to that, countries need to enhance their climate preparedness for dealing with the climate properly. It is because the climate change is a harsh reality and cannot be wholly terminated. Therefore, the countries need to develop rapid, responsive, relief awarding and reliable natural disasters management authorities at all tiers of government. This will ensure minimum damage and maximum safety. Therefore, climate preparedness of countries need to be enhanced to deal with the climate concern.

Furthermore, the process of recycling can be instrumental for improving the climate. Recycling will slow down the production as most of the products will get recycled. This will lead the industries produce less and contribute less to emissions. Thus, all of this will have a trickle down effect on climate. Therefore, the world must make recycling of products

priority.

international bodies need to enact prudent laws in order to penalize violators of climate treaties. The countries party to climate treaties like 'Paris Agreement' and 'Kyoto Protocol' need to implement and follow the treaties in both letter and spirit. Violation of the treaty must be made a grave misconduct and country doing so must be penalized rigorously. Thus, this will ensure strict implementation of climate treaties.

Furthermore, the world needs to start social media awareness campaigns, which should aim at informing people about the climate change. This initiative can take place while taking all stakeholders in confidence and with the collaboration of popular social media platforms like Twitter, Facebook, Whatsapp. All of this will result in an increase of climate literacy and would bring positive impact. Therefore, social media campaigns can

be the best players improving the climate in the world.

In addition to that, strict action against deforestation is required. Deforestation is a catalyst of climate change. This accelerates the heating of globe. Therefore, doers of deforestation and people profiting from the process of deforestation must be penalized and punished. There are already some wild life laws in place, but they need proper implementation which must criminalize the act of deforestation. Thus, a strict action against deforestation would contribute positively to the cause of climate change.

Lastly, the world in general and the climate vulnerable countries in specific need to build and develop climate resilient infrastructure.

The key case of Japan can be the best in this regard. Japan has developed climate resilient infrastructure, which safeguard the Japanese population from natural disasters like flood, tsunami and earthquakes. It is also

Safeguards them from economic damage. The countries in the world need to follow and secondly open up in building climate resilient infrastructure. It can save scores of lives and save countries from the huge economic losses that natural disasters incur. Therefore, building and developing climate resilient infrastructure can be the last nail in the coffin.

To conclude, emergence of climate change has concerned the world. It is the change in weather, humidity and precipitation of globe in the long run. The term gained currency after the advent of industrialization and motor engine invention. Its devastating impacts include heating the globe, hurting the agriculture, and triggering the natural disasters. Given all these serious implications, climate change became the worst non-traditional enemy of mankind and the globe they live in. It is high time, climate solutions should be strictly followed. This would require the world run massive tree plantation drives, introduction and implementation

of electric vehicles policies, a  
 shift from non-renewable to  
 renewable energy sources, vibrant  
 role of media, and enactment  
 of prudent laws with  
 criminalizing anti-climate acts  
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