

"Climate change and Pakistan"

In the news channels, heat waves, floods, droughts, rise of sea levels, glacial melting, cyclons are very common news. A large amount of human population, ecosystem is disturbed due to these natural disasters. Continuous emission of Green house Gas due to excessive burning of fossil fuels is contributing to increase in future suffering. These natural disasters not only affect the weaker economies like Pakistan but also the major economies putting themselves at a great risk and more prone for future disasters.

In Pakistan, the most suffered country due to natural disasters and a little emitter of CO_2 is facing another devastating flood in the monsoon season after 2022 floods.

Looking at the damages this flood created in the country are rising as more heavy rains are expected until the end of August. This year, about 60 to 70% increase in the monsoon rains is measured which is doubled from 2022 rains.

The climate change created the excessive heat waves which resulted in the glacial melting, rising of sea level and contributing into the devastating flood across the country (Pakistan). The 2025 flood during the July not only destroyed the infrastructure of the country, displacement of people, loss of human life and livelihood but also the loss of country's economic structure and vulnerability to combat the climate change threats. During 2022, country faced \$30 billion economic loss with loss of life about 1700. The 2025 heavy rains affected the urban areas including Rawalpindi, Lahore and Chakwal. This showed that how much the policies of our government is weak to overcome climate disasters. Lack of funding to district level making damages in cities infrastructure and human suffering. Unpreparedness of authorities, despite the early warning contributing more into damages. Urbanization over the forest lands, housing schemes, disturbing of natural boundaries of flood stopping by living near the rivers are all affecting the country. Also the withdraw of

US fromth Paris agreement shows that, being a major emitter of CO₂, US prioritize its country's economy and risked the whole world and compromise the global climate action. These selfish stem by the countries and the government is risking the future of humanity. So the solution for all these growing threats can be taken by the governments. Governments have to make climate resilience programs, reduction of CO₂ by imposing heavy taxes on the industries who crossed the limits. Burning of fossil fuels can be overcome by generating the electricity from wind, solar, water. There must be increased in the plantation projects across country by encouraging youth for the importance of trees for the environment. Pakistan's politician must use fund on improving strong defence mechanism from flood, drainage system and efficient disaster response teams. Also Pakistan has to learn from the previous disasters and has to improve the climate action teams by making effective strategies like climate-smart farming. Pakistan has to supply sufficient water to shrinking Indus delta, promote forestry, renewable energy, climate laws.