



SOLUTION FOR POLLUTION BEGINS HERE



Air pollution and its effects

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TEAM GREEN



As a Jesus Youth Volunteer from my childhood I am so glad to express my earnest interest in becoming a part of the Green Evangelisation Movement (GEM), a non-profit organization committed to address environmental challenges that promote sustainable practices, which I really feel is the need of the day for spreading the good news of safeguarding god's own nature which is polluted by man made activities.

As a responsible citizen, I believe that my association with this movement will allow me to contribute to a greener and more sustainable future, while aligning with the government's efforts to combat air pollution and promote renewable energy sources. I am particularly drawn to GEM's mission of reducing huge pollution caused by vehicular emissions and promoting the adoption of solar energy solutions to bring about healthy green environment around us. The alarming levels of air pollution resulting from vehicular emissions have grave consequences for both public health and the environment. By joining here, I intend to actively participate in initiatives aimed at raising awareness about the detrimental effects of vehicular pollution and their advocating for cleaner transportation alternatives.

Our movement is a beacon of hope in a polluted world that emerges as a movement fueled by faith, passion, and a commitment to our planet. GEM is not just another environmental organization, but it's a community of dedicated individuals, united by a shared vision, to heal our polluted world and create a brighter future for all. GEM goes beyond mere awareness campaigns by offering solutions that actively promote electric vehicles, solar energy, biogas plants, and other alternatives to reduce pollution.

GEM is not just for the privileged few. We offer a range of volunteer opportunities and heavily paid positions, making environmental activism accessible to everyone. Our passion for the environment is grounded in our faith, giving us the strength and conviction to persevere in the face of challenges. Whether you're a seasoned environmentalist or a curious newcomer, GEM welcomes you with open arms to join this green revolution movement. We believe that together, we can heal our planet and build a brighter future for generations to come.

Let's go green together and make the world a healthier, happier place by volunteering in Green Evangelisation Movement because Solution for Pollution begins here.

MANAGING DIRECTOR
GREEN EVANGALISATION MOVEMENT



Let's

**GO
GREEN**

It's high time to go green



About Us

Green Evangelisation Movement, a non-profit organization intends to create an unpolluted, clean and healthy green environment by promoting all possible measures to reduce poisonous carbon emissions and thereby finding a remedy for the most unfortunate drastic effects of air pollution.

A green revaluation that will enable us to breathe clean air will be our prime concern in the middle of rising pollution and devastating climate changes which is affecting our planet severely from all corners of the earth as horrific disasters and killing millions of people.

As a part of creating a clean, green and resilient world for all, we are encouraging sustainable transportation by promoting electric vehicles to remove air pollution resulting from the emissions of fuel powered vehicles and also solar houses to remove air pollution from coal firing power plants which releases the maximum amount of poisonous gases into the atmosphere while producing electricity.

The safety of our planet along with the precious life of innocent people who are deeply affected by the disasters of air pollution will be our main target. With the backup of green promotional voices raised by our committed Volunteers, we are confident enough to become a strong motivated force which unites together as team green, by being sincerely dedicated to bring about a considerable change for implementing policies which promote the noble cause of reducing air pollution.

UN ON AIR POLLUTION

United Nations has given several warnings about the drastic effects of air pollution which kills an estimated 7 million people every year. It is the biggest ever environmental health risk of our time. Airborne pollutants are responsible for about one third of deaths from lung Cancer, Stroke, spike in Asthma, chronic respiratory and other diseases.

The Climate and Clean Air Coalition hosted by the United Nation Environment Program is a part of the Global Breathe Life campaign with a collaborative effort to help in mobilising cities and encourage individuals to protect us from the effects of air pollution.

Shifting to the renewable energy could save up to 150 million lives by the end of the century, amidst concerns that six billion people regularly inhale air so polluted that it puts their life, health and well being at risk.



Our planet is so precious and only we can save it.



UN ON AIR POLLUTION

Geneva Human Rights Council made a report on human rights and environment, which insisted that air pollution is a “silent, sometimes invisible, prolific killer” which affects women and girls more than men. Moreover the basic right to a healthy green environment is legally recognised by 155 States.

Dr.Boyd explained. “Air pollutants are everywhere, largely caused by the burning of fossil fuels for producing electricity, transportation and massive heating, as well as from the industrial activities, very much poor waste management and agricultural practices,” he said.

Air pollution is present both inside and outside homes which is responsible for the premature death of 7 million people each year, including six lakh children, as per the report of human rights and Environment by the United Nations.

Solution for pollution begins here

We are confident about the fact that our motto “Solution for pollution begins here” will resonate with the common man that they will be tempted to follow this change and preach for the same everywhere, after experiencing a healthy difference from the current pollution, which will be a product of our successful implementation of green oriented projects. It is our obligation to make the common man understand the need to cooperate with our initiative as one responsible unit to fight air pollution that has become a reason for millions' of deaths across the globe.

We believe in the motto “Actions speak louder than just Words”. We seek to spread our message of promoting a healthy green environment around as through our loud and clear actions. We promote and inculcate maximum awareness about the importance of having electric vehicles by looking at various aspects like its economic benefits to the consumer and environmental benefits to the world. We also make active efforts in enlightening people about the disadvantages of fuel powered vehicles and the hazards that it carries along by emitting various poisonous substances into the atmosphere.

Vehicular pollution is the single biggest reason for deteriorating air quality, followed by coal firing power plants, burning of agricultural waste, felling of trees to widen roads, construction and so on. Team Green will foresee these pollution issues and consider this movement as an initial step for enabling different solution for pollution.



GREEN AGENDA

@ GREEN EVANGELISATION MOVEMENT COUNCIL

Solution for pollution begins here



UN ON AIR POLLUTION

“Every hour, 800 people are dying, many after years of suffering, from cancer, respiratory illnesses or heart disease which is directly caused by breathing polluted air,” he said, and also these deaths were preventable.

A safe, clean, healthy and sustainable environment is very much integral to the maximum enjoyment of a wide range of human rights, including the rights to life, health, food, water and sanitation.

Without a healthy environment and access to the minimum standards of human dignity, we are unable to fulfill our aspirations.

Recently the recognition of the links between human rights and the environment around us has greatly increased. Number and scope of academic studies, international and domestic laws a based on the relationship between human rights and the environment are growing rapidly.

Mission

Green Evangelization Movement, is directly and indirectly engaged in the promotion of “the necessity of clean air to breathe” which is the most essential factor for healthy human existence. This reality is becoming a serious threat for the present and future generations on earth. We really feel that the huge number of diesel and petrol vehicles along with the lack of solar electrifications in all possible sectors accounts to nearly 75% of the reasons for the massive universal air pollution.

It’s not only the view of our organisation that air pollution is the biggest problem our universe is facing but the United Nations, WHO and almost all the world leaders have categorically stated recently in the 26th UN Climate Change Conference in Glasgow on November 2021 that climate change resulting from air pollution is the biggest universal disaster and also made commitments to reduce carbon emissions from the use of fossil fuels that causes air pollution.

Not only that, 3 months before this meeting the IPCC which is the Inter Governmental Panel on Climate Change, a body of the United Nations published it’s latest report prepared by 234 scientists from all over the world, stating that human activity has resulted in the massive air pollution and sudden action is required to save the precious life of people and the planet as a whole. Therefore, our mission is to have plans set up in a systematic manner for working towards accomplishing our planned objectives in anticipated time with a focus to back up the concept of a healthy green environment.



SAVE OUR EARTH

CHANGE YOUR SELF

NOT THE NATURE

Nature doesn't need people but people need Nature



IPCC REPORT 2021

Thousands of people from all over the world contribute to the most sincere work of the IPCC. The sincere dedicated scientists volunteer their time to assess the thousands of scientific papers published each year to provide a comprehensive summary of the drivers of climate change, its impacts and future risks and how adaptation and mitigation can reduce those risks.

It is essential to pay more attention to climate adaptation, said the WMO chief, Peteri Taalas, since the negative trend in climate will continue for decades and in some cases for thousands of years.

So this IPCC report is a shocking and factual revelation which has to be considered as a final warning for us to reduce air pollution from all possible sectors and thereby reducing effects of global warming that results in serious climate changes.

Vision

Our organization does have a clear vision about a much healthier generation residing in an unpolluted green environment which will make a huge difference in the life of a human being as well as the planet.

Our green promotional voices with real social commitment makes us really confident that we can even increase the healthy life span of people by 15 -20 years on an average which is actually painfully reduced by the drastic effects of massive air pollution. It can easily be prevented by corrective measures taken by the authorities and followed as human activities

It is our endeavor to reach out to the society at the grass root level by spreading this golden message of Green Evangelization, to all classes of people without any discrimination of rich or poor, literate or illiterate, all classes especially the ones that are socially marginalised, without knowing the luxury of enjoying a better life in a clean, unpolluted, healthy, green environment that is free from suffocation and chronic respiratory diseases.

By going green we can certainly reduce or eliminate air pollutants and thereby make the air we breathe clean, which means good health and less expenditure on hospital bills. Use of green and renewable energy also helps to reduce the emission of carbon dioxide to the environment that reduces carbon footprints which is so critical as the amount of carbon dioxide absorbed by oceans is currently increasing by two billion tons per year, leading to severe climate changes.



Failing to go green will surely end in disasters beyond words



Go Green - Sooner the better

The sooner we go green the better, because every moment numerous precious lives of people are affected to a great extent by the drastic effects of air pollution. Let's tackle air pollution together and redouble our efforts to go for a healthy green environment. Over the last two hundred years humans have comprehensively demonstrated that they can change the climate and we have changed it for the worse by doing the wrong things. Now let's show that we can change it for the better by going green in all the possible aspects that affect the life of the people and the environment as a whole.

To fulfill the main objective of the organization, which is to reduce air pollution to the maximum, our studies have found that more pollution is caused by the extensive use of petrol, diesel and also the different methods of producing electricity.

Non-Profit Organization

Many of the non-profit organisations, who are not just environmental organizations, are recognizing that climate change poses the biggest threat to the environment and human life. Its high time that the most sincere Volunteers from different organisations should join hands together to rightly challenge the rest of the world for going further and faster in tackling the greatest disaster of air pollution.

We work every day with the industry and energy sector to reduce their greenhouse gas emissions and also with local authorities, planners and developers to create better places, designed for the climate we now anticipate.

IPCC REPORT 2021

The Intergovernmental Panel on Climate Change is a body of the United Nations mandated to provide the objective scientific information which is relevant for understanding human induced climate change, its natural, social political and economic impacts.

It was established in the year 1988 by the prominent World Meteorological Organization comprising of 195 countries and the United Nations Environment Programme, with subsequent endorsement by the United Nations General Assembly.

By group of 234 scientists as authors of this report had conducted an extensive study of 14,000 research papers to come to their conclusions. This report further estimates that the whole world will probably reach or exceed the maximum limit of 1.5 degrees centigrade of warming within the next two decades.



Nature is one of our Greatest teachers.

Teachers deserve maximum respect and so is nature...



Air Pollution - A real threat

IPCC REPORT 2021

According to the new IPCC report, humans have caused almost 100% of global warming. Climate science has evolved since the last published IPCC report, the scientists are now much more confident that human influence has caused climate change than they have been before.

Report says "It is quite indisputable that human activities are causing the climate change, making extreme climate events including heat waves, heavy rainfall, and droughts more frequent and severe." What it mainly highlights is the current condition of the changing climate atmospheric concentrations of a range of rising greenhouse gases.

The normal water cycle is assessed to be intensifying, frozen parts of the globe are melting the gigantic ice mountains and the oceans are warming up, to list a few of the indicators, which is clearly visible now.

According to the WHO, more than 1 million premature deaths in China are caused by air pollution every year and India leads the world in pollution related deaths which also crosses more than a million in a year. Air pollution would decrease the lifespan of a human being from 15 to 20 years because it makes innocent people suffer from chronic respiratory and other related diseases including coronary heart problems, stroke, lung cancer etc. Mostly children below the age of five are leading to lifetime diseases and also the people above the age of 60, are being very badly affected . In 2019, 116 000 infants died in India within the first month being born, often a direct outcome of a mothers exposure to air pollution during pregnancy.

Most of the 7 million premature deaths attributed to air pollution by the WHO, originates from various poisonous chemicals emitted by the exhausts of fuel powered vehicles, sandstorms, agriculture, industry, wildfires, burning of fossil fuels, felling of trees to widen roads, construction of new housing and public infrastructure to accommodate migrant workers etc. According to the WHO, India exceeds the limits of small particle pollution by 500%.

Climate change amplify the health risks caused by pollution, due to intense exhaustion of diesel and petrol vehicles, forest fires, coal firing power plants, burning of agricultural wastes etc. link with lung cancer is well established, were excess deaths from air pollution are caused by heart attacks, strokes etc.



Save the World



By Going Green

Vision of a green planet is safe and in balance



Pollution deaths

IPCC REPORT 2021

While these findings no doubt give us a deep sense of impending doom, they come at an important time in the human history, a most crucial time when environmental consciousness is at an all time high. It's unfortunate that many governments continue to brush environmental concerns under the carpet.

The report directly charts how our actions over the years have led to where the environment is today. It categorically states that human induced greenhouse gas emissions are the main driver of the observed changes in hot and cold extremes on the global scale and on most continents.

Adding to these disasters, the temperature changes are further amplified at the regional scale by regional processes such as soil moisture or snow ice albedo feedbacks, land use and land cover changes or particles of aerosol concentrations, etc.

India leads the world in pollution related deaths, followed by China and Nigeria. As India is on the path of development, millions of new vehicles are on the roads and the lack of electric vehicles along with more coal firing power plants have made India the leading country in the world regarding pollution related deaths. New Delhi which is the most polluted capital city in the world is made significantly worse by its location, in the heart of India's agricultural region where rife stubble burning makes fumes that pollute swathes of northern India and add to Delhi's toxic haze in addition to lakhs of fuel powered vehicles.

Although the Government of India has adopted certain measures to promote electric vehicles, it has not gained much popularity due to the lack of charging infrastructures and the lack of awareness among the common man about the importance and economic benefits of using electric vehicles. moreover, emissions from fuel powered vehicles, especially small and larger particulate matter, nitrogen dioxide, sulphur dioxide and ozone have likewise been linked to drops in cognitive performance, labour productivity and educational outcomes.

1.7 Million Pollution death

In India itself more than 1.7 million people have died due to the effects of air pollution in the year 2019 only. This is really a shocking information but nothing serious is being done to tackle these issues much faster. Along with millions of deaths, billions of people are affected with chronic diseases too.



GREEN EVANGELISATION MOVEMENT
GOING GLOBAL

As air pollution is an universal disaster, we are hiring global volunteers too



Biggest Polluters - 1

The World Meteorological Organisation has recorded during the year 2021 that, the concentration of Carbon dioxide in the atmosphere broke all records in the history of humanity. Specifically, the concentration reached 407.8 parts per million, which represents almost a 47% higher level than the period before Industrial Revolution ie before 1750's

However, the most part of this pollution comes from just a few countries. China, for example, generates around 30% of all global emissions, while the United States is responsible for almost 14%. In the ranking below you can find the countries that produce the most emissions, measured in millions of tons of Carbon dioxide emitted in a year . Here are the most polluted countries on the base of Carbon emissions.

Most Polluted Countries

1. China, with more than 10,065 million tons of CO₂ released.
2. United States, with 5,416 million tons, 3. India, with 2,654 million tons
4. Russia, with 1,711 million tons, 5. Japan, 1,162 million tons, 6. Germany, 759 million tons , 7. Iran, 720 million tons, 8. South Korea, 659 million tons, 9. Saudi Arabia, 621 million tons, 10. Indonesia, 615 million tons of Carbon dioxide.

Among the most polluted countries on the basis of the Particulate matter emitted, Bangladesh emerged as the country with largest pollution followed by Pakistan, Mongolia, Afghanistan , India, Indonesia, Bahrain, Nepal, Uzbekistan, Iraq and so on.

IPCC REPORT 2021

It estimates irrigation and crop expansion to have increased summer temperatures in some regions such as the U.S. Midwest and importantly, urbanisation appears to have become more temperature extremes in cities.

While such events have been edged on by human induced climate change, it is most likely to continue to increase with further global warming. Frequent heat waves, droughts, flash floods, and other disasters are proof.

United states, Europe and Asia, or the polar regions and smaller islands, the report is clear that every part of the world is bound to be affected by climate change. Specifically in Asia, the marine heatwaves continue to increase, fire weather seasons will lengthen and intensify, heavy rains will amplify, shorelines will retreat and coastal areas will sink, especially the coastal cities with initial threat.



When we heal the earth by going green, we heal ourselves



IPCC REPORT 2021

For those who refused to believe in climate change, the news is officially out there now. For starters, governments need to ensure that the efforts and millions spent on climate action actually deliver the much needed results.

A recent German climate publication explains that the German way has long been to spend many billions on climate action without paying attention to the effects achieved. The use of funds and the effect on climate protection as of today's situation are blatantly disproportionate.

The absurdly high funding for the expansion of renewable energies over many years has become a legend. When switching to electro mobility, politicians are in the process of repeating the same mistake. These pathetic comments stand true for other governments universally too and a quick action is required.

Biggest Polluters - 2

Each year more than 36,000 million tons of carbon dioxide are released into the earth's atmosphere, and it is the main source of the greenhouse gases that contribute to climate change. These gases generate from fossil fuels, the generation of energy through non-renewable channels and polluting human activities. Most of the polluted cities in the world are in India including the most polluted capital city in the world, New Delhi.

Most Polluted 50 Cities in the World

1. Hotan, China
2. Ghaziabad, India
3. Bulandshahr, India,
4. Birsak Jalalpur,
5. Bhiwadi, India,
6. Noida, India,
7. Greater Noida, India,
8. Kanpur, India,
9. Lucknow, India,
10. Delhi, India,
11. Faridabad, India,
12. Meerut, India,
13. Jind, India,
14. Hisar, India,
15. Kashgar, China,
16. Manikganj, Bangladesh,
17. Agra, India,
18. Lahore, Pakistan,
19. Bahawalpur, Pakistan,
20. Muzaffarnagar, India,
21. Fatehabad, India,
22. Bandhwari, India,
23. Dhaka, Bangladesh,
24. Gurugram, India,
25. South Tangerang, Indonesia,
26. Yamuna Nagar, India,
27. Rohtak, India,
28. Muzaffarpur, India,
29. Faisalabad, Pakistan,
30. Dharuhera, India,
31. Singrauli, India,
32. Patna, India,
33. Coraut, India,
34. Kurukshetra, India,
35. Jodhpur, India,
36. Alampur, India,
37. Vapi, India,
38. Fatehgarh Sahib, India,
39. Kaimla, India,
40. Guwahati, India,
41. Gujranwala, Pakistan,
42. Kutail, India,
43. Muridke, Pakistan,
44. Anyang, China,
45. Gwalior, India,
46. Belpahar, India,
47. Puyang, China,



Agitations to reduce man made pollution is growing to save the planet



Two killers in the Air

IPCC REPORT 2021

In addition to the latest transformational policies, we need to seriously tap into the renewable energy sources. Reducing the unsustainable and polluting power sources is not enough, we need to do away with them completely given the dire state of affairs.

Governments should also develop these policies in close dialogue with corporate climate leaders who are working to reduce emissions because they can bring immense insight and innovation to the net-zero transition idea.

Low-Carbon activities in the middle of pandemic recovery should be done by stopping fossil fuel subsidies, putting a price on Carbon, and making climate related financial disclosure mandatory. Humans might be the main reason for disasters of environmental degradation but, ironically the ideal human centric measures can also be the solution.

It's shocking to know that most of the world's top polluted cities are in India where deadly polluted air and Covid - 19 virus, the two giant invisible killers who have many similarities between each other are putting millions of people at risk, just by breathing them. Deadly peril is smothering our cities, killing four times as many people in one year than Covid - 19. Across the world nearly nine million people died from air pollution in 2018, and in India, it claims the life of one child in every three minutes. The peril is air pollution and the victims have died simply by breathing in the air around them.

Fossil fuels are the source of toxic fog engulfing the cities. Polluted greenhouse gas emissions from coal, oil and gas are simultaneously forcing global warming, while doing a hit and run number on city populations through the release of tiny poisonous particles which penetrate deep into the lungs leading to lung cancer, coronary heart disease, strokes and early death. The smallest particles are considered especially dangerous to human health because they get through many of our bodies' defenses such as nose hair or mucus. It is our harsh reality that millions are breathing in this deadly atmosphere and we have no control over the effects of this situation yet.

Therefore, keeping this pain in mind we initiate our first step by replacing the fuel powered vehicles with electric vehicles along with promotion of customised solar panel designed roofing and solar panels in agricultural fields to produce electricity.



I DON'T WANT TO BE
THE **LAST GENERATION.**
CORONAVIRUS WON'T
BE THE ONLY DEMON THAT
WILL COLLAPSE MY LUNGS.

Another demon that kills us is the poisonous pollutants from fossil fuels



Covid-19 and Air Pollution

IPCC REPORT 2021

Tapping into the modern indigenous knowledge and latest methods of green technology investments is perhaps a very good place to start. The recent advancements in the organic farming, afforestation, water conservation, energy, urban design, and more have shown exceptional results.

Taking them seriously would not just help to create a tremendous talent pool, but also pave the way for much needed environmental change. Every minute change starts off small and revisiting this philosophy rather than bogging the feeling of public, down with unfathomable statistics and latest scientific jargon is what we need.

Advances in recent climate science and improvements in analytical tools are crucial. Progress in our understanding of human influence is gained from the longer observational dataset.

The more tiny dangerous particles from carbon emissions, the more will be the problems to human life because it affects the respiratory system leading to chronic diseases. The recent Covid - 19 is also the same where the virus which is invisible to the human eye, that has shaken the whole world, is also affecting the respiratory system initially. The effect of air pollution is much more complicated and dangerous than Covid-19 which also affects the human respiratory system.

As Covid-19 is ravaging globally, many studies have linked air pollution to be a elevating factor to Covid-19 case numbers and deaths. The difference is that Covid-19 patients get worse faster and for many it cures faster too because its a virus which is having life and will be dead within a few days but air pollution is a slow poison which creates lifetime diseases because it does not have life or death and continues to live with us throughout our lives. It takes more time for the worst and even more time to get permanently cured from the chronic respiratory diseases resulting from air pollution. Both are equally dangerous for children as well as aged people over the age of sixty.

Moreover the mortality rates due to air pollution is so huge when compared to the loss of lives in the recent ongoing Covid-19 pandemic, proving that air pollution is such a greater disaster than the virus. If we had taken the same precaution, care and importance given for Covid-19, then air pollution could have been reduced to a great extent.



Air pollution is a man made obstruction leading to lung destruction



Pollution deaths saved

IPCC REPORT 2021

Improved palaeo-climate based information, much more stronger warming signals with improvements in climate models, improved physical understanding and attribution techniques are some of the advances outlined in the report.

The attribution to human influence has become possible across a wider range of climate variables and climatic impact drivers. The new techniques and analyses drawing on several lines of evidence have provided greater confidence in attributing changes in regional weather and climate extremes to human influence.

Human activities have warmed the planet at a rate never seen before in the planet's long history of the past 2,000 years in particular. The IPCC report found that the Earth's global surface temperature warmed by 1.09°C when the previous situation was compared between 1850-1900.

When there was a forceful global lockdown due to the Covid-19 pandemic, millions of lives were saved from the disasters of air pollution due to the absence of fuel powered vehicles on road and factories without operation which used to cause maximum air pollution.

So the reality is that Covid-19 has saved millions of lives globally that occur due to direct or indirect effects of air pollution. This clearly shows that its high time to replace petrol and diesel vehicles with electric vehicles, coal power plants with solar power plants, concrete roofings with solar panel roofings, alternative for burning of agricultural wastes etc.

It's very clear that the recent lockdown in the middle of the Covid -19 pandemic has saved many lives from the drastic effects of air pollution because the year 2019 without any lockdown had nearly 1.7 million deaths due to air pollution in India which was shocking but there was not even half the deaths reported in the year 2020 due to air pollution which had several days of lockdown that has considerably reduced transportation, construction and functioning of factories to a great extent.

We hope that our positive steps will reduce air pollution at the earliest and thereby save millions of lives along with the billions affected by chronic respiratory and other related diseases. In addition to that, it will also save the universe as a whole from the tragic effects of climate change caused due to air pollution.



Lockdown during pandemic has saved millions of air pollution deaths



Pollution effects on health

IPCC REPORT 2021

Mostly the least developed countries, which are also among places that will bear the worst brunt of global warming, threw their weight behind the 6th Assessment Report released by the latest IPCC report.

“Alarm bells are ringing, I hope everyone is hearing them,” said Sonam P Wangdi, chairman of the group of the 46 least developed countries, shortly after the much awaited report on the science of climate change since the year 2013 was released by the Intergovernmental Panel on Climate Change

Among the findings of climate change 2021, there has been a 40 percent decrease in Arctic sea ice since 1979 and with every one degree celsius rise in temperature, there will be 7^o increase in the intensification of extreme rain events. This fast pace of melting ice will be really devastating.

Breathing in polluted air can be very harmful for our health, it can lead to loss of life or permanent damages caused by chronic respiratory diseases. Long term exposure to air pollution has been associated with diseases of the heart, lung cancers and other severe respiratory health problems. Even healthy people can be affected by the hazardous impact of polluted air, that can cause respiratory diseases or breathing difficulties during exercise or outdoor activities.

Your actual risk of adverse effects depends on your current health status, the pollutant type and concentration, and the length of your exposure to the polluted air. High air pollution levels can cause immediate health problems including aggravated cardiovascular and respiratory illness, added stress to heart and lungs, which must work harder to supply the body with oxygen, damaged cells in the respiratory system etc. long-term exposure to polluted air can have permanent health effects such as accelerated aging of the lungs, loss of lung capacity and decreased lung function, development of diseases such as asthma, bronchitis, possible cancer, shortened life span etc.

Those who are most susceptible to severe health problems from air pollution are individuals with heart disease, coronary artery disease or congestive heart failure of individuals with lung diseases such as asthma, emphysema or chronic obstructive pulmonary disease, pregnant women, outdoor workers, older adults and the elderly children under age the age of 14 etc.



WE CAN'T DRINK
OIL
WE CAN'T BREATHE
£ MONEY £



It's a suicidal situation as we are forced to breathe polluted air



Aerosols and Air Pollution

NASA uses satellites orbiting the earth to keep an eye on air pollution. In fact, air quality forecasters use information about aerosols from NASA's Aqua, Terra and Suomi satellites. NASA is also developing a new instrument called the Multi Angle Image for aerosols as a future spacecraft mission. It will help scientists understand the size, makeup and quantity of aerosols in our air.

Air pollution is caused by solid and liquid particles along with certain gases that are suspended in the air, which normally comes from the exhaust of fuel powered vehicles, factories, dust, pollen, mold spores, volcanoes, wildfires and so on. The solid and liquid particles suspended in our air are called aerosols. Air pollution happens when solid and liquid particles called aerosols and certain gases end up in our air. These particles and gases are not good for the planet and for our health, so keeping track of them is important.

Any particle that gets picked up into the air is formed from chemical reactions in the air that can result as aerosol. Many aerosols enter the atmosphere when we burn fossil fuels such as petroleum coal and wood. Humans must soon reduce carbon dioxide and aerosol pollution simultaneously to avoid weakening the ocean's ability to keep the planet cool. Aerosols cause poor air quality and lead to premature deaths. However, these particles have a net cooling impact on the climate, so when you cut them that leads to a net warming effect. We have started experiencing these changes as day by day it's becoming hotter and hotter.

IPCC REPORT 2021

The IPCC analysed future climate projections from the dozens of climate models, on our earth produced by more than fifty modelling centres in the world. The global average surface temperature rises between the existing pre-industrial levels for the lowest and highest emission scenarios.

The exact increase of rise in temperature that the world experiences will depend on how much more greenhouse gases are emitted. The report states, with high certainty, that to stabilise the climate, Carbon emissions must certainly reach net zero, and other greenhouse gas emissions must decline significantly.

We also know, that for a specific temperature target, there is a finite amount of pollutant which is dangerous Carbon that we could be emitting before reaching safest target of net zero emissions.



The basic right of a human being is to get clean air to breathe...



Toxic Pollution related diseases

Toxic pollution is among the leading risk factors for non-communicable diseases globally. Non-communicable diseases account for 72% of all deaths, 16% of which are caused by toxic pollution. Toxic pollution is responsible for 22% of all Cardiovascular disease, 25% of Stroke deaths, 40% of Lung cancer deaths, and 53% of deaths from chronic obstructive Pulmonary disease. As poisonous fossil fuels from the transportation sector account for more than 60% of toxic air pollution, an alternative for fuel will solve more than half of the air pollution crisis.

Competition for Pollution

The issue surrounding diesel and petrol engine pollution is very common. There was a perception initially that diesel engines pollute less, but today we blame diesel engines for polluting more. Diesel engines emit less carbon dioxide and greenhouse gases than petrol engines because of the particular type of fuel and the internal efficiency of the diesel engine. More specifically, the fuel used in diesel engines has a higher compression ratio than petrol and it also performs better than petrol engines.

Both petrol and diesel may compete with each other as to which is the largest polluter but the fact is that both cause maximum destruction as far as air pollution is concerned. It's high time that an alternative has to be on roads at the earliest. Whether it is petrol or diesel the consumption of both has to stop with utmost urgency to save the lives of innocent people.

IPCC REPORT 2021

Apart from that Carbon dioxide concentration has been the highest in at least 2 million years. The report flagged that unless there are immediate, rapid and large scale reductions in the rising greenhouse gas emissions, limiting warming to close to 1.5°C will be beyond reach.

The report comes as yet another stark warning, and the science is even more clearer. It's shocking that Global greenhouse gas emissions continue to rise, the climate crisis is worsening, and the impacts will be devastating.

We must act quickly now, to urgently limit warming and prepare our communities for the impacts to come. The report flags several alarming facts about climate change. The last four decades have been successively more warmer, global surface temperature rising high means sea level has increased, and global Glaciers are retreating fast.



*Air pollution...
Deadly spike in Asthma*



Your life is rare, don't let it end by breathing polluted air, so care it dear



IPCC REPORT 2021

This confirms that the current global efforts to address climate change do not reflect the scale of the crisis we are facing. This serious crisis have to be dealt more with ambitious nationally determined contributions.

More climate finance and long term decarbonisation plans should be highlighted in the 26th conference major of parties to the United Nations Framework Convention on Climate Change to be held in Glasgow. He warned that submitting the same NDC was not enough and that stronger emissions reduction targets were needed for 2030.

The world has been seeing unprecedented lethal heatwaves and floods in the recent times. These will only get worse as emissions continue to rise. Apart from natural changes to the Earth's climate excess global warming occur due to greenhouse gases caused by the excessive use of fossil fuel etc.

Particulate matter

Particulate matter which is the main pollutant from the emissions of fuel powered vehicles is a complex mixture that may contain soot, smoke, metals, nitrates, sulfates, dust, water and tire rubber. It can be directly emitted, as in smoke from vehicle emissions, fire, or it can form in the atmosphere from reactions of gases such as nitrogen oxides.

PM 2.5 refers to a category of particulate pollutant that is 2.5 microns or smaller in size. The average cross-section of a human hair is 50 microns, which means that the size of Particulate matter can be even smaller than one thirteenth size of an human hair. This clearly indicates the smallest of sizes that is invisible to the human eye like the Covid-19 virus, pose the real problems as they bypass the body's natural defenses by getting deep into your lungs and potentially enter your bloodstream.

Affecting Lungs and Heart

Exposure to such particles can affect both your lungs and heart. Airborne particulate matter is not a single pollutant, but a mixture of many chemical species from vehicle emissions. It is a complex mixture of solids and aerosols composed of small droplets of liquid, dry solid fragments, and solid cores with liquid coatings. Particles vary widely in size, shape and chemical composition, contain inorganic ions, metallic compounds, elemental carbon, organic compounds, and compounds from the earth's crust. Diameter of 10 microns or less are inhalable directly into the lungs inducing adverse health effects.



GO GREEN

save energy

save green

live green

SAVE WORLD

Maximum green ways and days will be safe and savings too...



IPCC REPORT 2021

Almost 100% of global warming has been caused by humans, which is the main reason for extreme hot weather which have become more frequent and without which these extremes would have been unlikely.

Now it is quite certain that human driven emissions are the main driver of the changes in the extreme hot and cold weather patterns on the global scale and warming of ocean leading to acidification of sea. The ability of scientists is to pinpoint the worse extreme weather events caused by climate change.

Previously, they could not link a specific event to warmer temperatures caused by human activity. But this is no longer a challenge, as weather attribution studies can now be produced. So the heatwave would be virtually impossible without human driven climate changes and it is proved with clear evidence.

Health problems of Particulate Matter

The size of particles is directly linked to their potential for causing health problems. Long-term exposure to particulate pollution can result in significant health problems like increased respiratory symptoms such as irritation of the airways, coughing or difficulty in breathing, decreased lung function, spike in asthma, development of chronic respiratory disease in children, development of chronic bronchitis or chronic obstructive Lung disease, irregular heartbeat, nonfatal heart attacks, premature death in people with heart or lung disease, including death from lung cancer.

Weakening Respiratory Tract

In addition to the potential carcinogenicity of diesel exhaust, there has also been some concern that diesel particulate matter may contribute to other health problems, especially those associated with the respiratory tract.

Respirable particles such as those in diesel exhaust have been implicated as etiological factors in various types of chronic lung disease which may also increase the lung's susceptibility to bacterial and viral infections, aggravate pre existing diseases such as bronchitis and emphysema, or aggravate specific respiratory conditions such as bronchial asthma. Diesel exhaust particulate a human carcinogen is based on findings of elevated lung cancer rates in occupational groups exposed to diesel exhausts. Diesel exhaust exposure is associated with an increased relative risk for lung cancer in the majority of reported human studies.



CO₂

Carbon emissions are accelerating and the scale of its impact is devastating



IPCC REPORT 2021

Our sincere commitment is to make changes in the way we manage our environment, protect health and secure livelihoods with economic security for all is our main concern.

Our aim is to bring you the most perfect and exact updates and to make a change in the world. Global emissions will reach its peak by 2025 if it keeps warming at 1.5 degree Celsius. Even in the most optimistic scenario, there is only a 50% chance that global temperature rise will stop there.

Earth could exceed 1.5°C of global warming, which is the most safe limit, outlined in the Paris Agreement by early 2030s, as per the landmark report by the top senior climate scientists. Staying below 2°C this century will only happen if emissions reach net zero by 2050 is well publicised. Global emissions may peak some time in the middle of this decade.

Carbon dioxide

Exposure to carbon dioxide can produce a variety of health effects. These may include headaches, dizziness, restlessness, a tingling or pins or needles feeling, difficulty in breathing, sweating, tiredness, increased heart rate, elevated blood pressure, coma, asphyxia, and convulsions.

Carbon dioxide is a problem because it acts as a "greenhouse gas." Due to its molecular structure, carbon dioxide absorbs and emits infrared radiation, warming the earth's surface and the lower levels of the atmosphere thereby causing global warming which results in devastating climate changes. By increasing temperature and humidity, carbon dioxide emissions increase the formation of smog, which has adverse effects on respiratory health. Through both direct and indirect fashions, carbon dioxide pollution impacts our planet and human health.

One of the biggest benefits of reducing carbon emissions is that it would decrease the number of deaths related to air pollution and help to ease pressure on healthcare systems. The ocean absorbs about one-quarter of the carbon dioxide that humans create when we burn fossil fuels.

Too much carbon dioxide in the ocean causes a problem called ocean acidification, which means that the sea becomes hotter and loses its oxygen content. The surface ocean absorbs 90 gigatons of carbon each year which is so huge. Carbon emissions act like a blanket in the air, trapping heat in the atmosphere and warming up the earth.



Poisonous emissions from vehicles and Covid - 19 virus are both invisible killers.



Nitrogen dioxide

Nitrogen dioxide is one from the group of highly reactive gases known as oxides of nitrogen or nitrogen oxides. Other nitrogen oxides include nitrous acid and nitric acid. Nitrogen dioxide is used as the indicator for the larger group of nitrogen oxides and primarily gets in the air from the burning of fuel emissions of cars, trucks, buses, power plants etc.

Nitrogen dioxide can irritate airways in the human respiratory system. Such exposures over short periods can aggravate respiratory diseases, particularly asthma, leading to respiratory symptoms such as coughing, wheezing or difficulty in breathing, hospital admissions and visits to emergency rooms.

Longer exposures to elevated concentrations of nitrogen dioxide may contribute to the development of asthma and potentially increase susceptibility to respiratory infections. People with asthma, as well as children and the elderly are generally at greater risk due to the health effects of nitrogen oxides which react with other chemicals in the air to form both particulate matter and ozone, which severely hurts the respiratory system.

Nitrogen dioxide and other nitrogen oxides interact with water, oxygen and other chemicals in the atmosphere to form acid rain. Acid rain harms sensitive ecosystems such as lakes and forests. The nitrate particles that result from nitrogen oxides make the air hazy and difficult to see and also contribute to nutrient pollution in coastal waters.

IPCC REPORT 2021

For the first time, the IPCC boldly states, unequivocal leaving absolutely no room for doubt that humans are responsible for the factual observed warming of the atmosphere, lands and oceans.

The rising global surface temperature has warmed faster since 1970 than in any other 50 year period over at least the last 2,000 years, with the warming also reaching ocean depths below 2,000 metres. The frequency and intensity of precipitation events have very much increased over most land areas.

This is because the much warmer atmosphere is able to hold more moisture which makes the wet seasons and rainfall events wetter. Presently the global concentrations of atmospheric Carbon dioxide is growing faster than at least the past two million years, which is a real concern for the existence, which is really unbelievable but a fact.



*Follow the
green footsteps
to go clean*

Your green footsteps will be a giant step for getting clean air to breathe



Sulphur dioxide

Sulphur dioxide is the component of greatest concern and is used as the indicator for the larger group of gaseous sulfur oxides which is abundantly found in the atmosphere at concentrations much lower than sulphur dioxide. The largest source of sulphur dioxide in the atmosphere is the burning of fossil fuels by power plants, vehicles and other industrial facilities. Smaller sources of sulphur dioxide emissions include industrial processes such as extracting metal from ore, natural sources such as volcanoes, locomotives, ships, heavy equipments that burn fuel with a high sulfur content.

Control measures that reduce sulphur dioxide can minimise people's exposures to all gaseous sulphur oxides. This may have the important co-benefit of reducing the formation of Particulate sulfur pollutants, such as fine sulfate particles. Emissions that lead to high concentrations of sulphur dioxide generally also lead to the formation of other sulphur oxides.

Sulphur dioxide can affect both health and the environment. Short-term exposures to sulphur dioxide can harm the human respiratory system and make breathing difficult. People with asthma, particularly children, are sensitive to these effects of sulphur dioxide. Sulphur oxides can react with other compounds in the atmosphere to form small particles. These particles contribute to particulate matter pollution. Small particles may penetrate deeply into the lungs and in sufficient quantities can contribute to health problems.

IPCC REPORT 2021

The real speed at which atmospheric Carbon dioxide has increased since the industrial revolution is at least ten times faster than at any other time during the last 800,000 years, and between 4 and 5 times faster than during the last 56 million years.

About 85% of poisonous pollutant of Carbon emissions are from the burning of fossil fuels. The remaining 15% are generated from deforestation & degradation. Extreme weather conditions, heatwaves and heavy rain have also become more frequent and intense across most land regions since 1950.

The report highlights that some of the recently observed hot extremes, such as the Australian summer of 2012–2013, would have been extremely unlikely without human influence on the climate. Human influence has also been detected for the first time in compounded extreme events.



Science
Not
Silence

The science of global warming is never beyond dispute, it cannot be silenced.



IPCC REPORT 2021

For example, incidences of heatwaves, severe droughts and fire weather happening at the same time are now more frequent. These compound events have been quite frequently seen in parts of Australia, Southern part of Europe, Northern Eurasia, parts of the United States and African tropical forests.

Oceans becoming hotter, higher and more acidic. They absorb 91% of the energy from the continues increase in atmospheric greenhouse gases, leading to ocean warming and more marine heatwaves, over the past 15 years. Marine heat waves cause the mass death of marine life, such as coral bleaching events.

They also frequently cause algal blooms and shifts in the composition of species. Even if the world restricts warming to 1.5 - 2°C, as is consistent with the Paris Agreement, marine heatwaves will become four times hotter.

Ground level Ozone

Certain gases in the atmosphere can also cause air pollution. For example, in cities, a gas called ozone is a major cause of air pollution. Ozone is also a greenhouse gas that can be both good and bad for our environment and it all depends where it is in earth's atmosphere. Ozone high up in our atmosphere is a good thing because it helps to block harmful energy from the sun, called radiation.

Ground-level ozone is formed when volatile organic compounds and oxides of nitrogen react with the sun's ultraviolet rays. The primary source of volatile organic compounds and oxides of nitrogen is from sources like cars, trucks, buses, construction and agricultural equipment.

Lung damage

Ground-level ozone reaches its highest level during the afternoon and early evening hours. High levels occur mostly during the summer months. It is a strong irritant that can cause constriction of the airways, forcing the respiratory system to work harder in order to provide oxygen.

It can also cause other problems including, aggravated respiratory disease such as emphysema, bronchitis and asthma, lung damage, symptoms such as coughing or a sore throat despair, wheezing, chest pain, dry throat, headache or nausea, reduced resistance to infections, increased fatigue, weakened athletic performance etc.



***Air Pollution Causes
Lung Cancer, Spike in Asthma and Other
Chronic Respiratory Diseases***

Prevention is always better than cure... lets go green



HydroCarbons

A Hydrocarbon is any compound that consists of carbon and hydrogen atoms. They are organic compounds where 60% of air pollution is caused due to automobiles that run on these hydrocarbon based fuels. Now the main culprit of this pollution is the incomplete combustion of these hydrocarbons fuels. This causes hydrocarbons to react with nitrogen oxides.

They are organic compounds which is the unique covalent nature of carbon, where there plenty of hydrocarbons in the world. So gasoline, petroleum, coal, kerosene, charcoal, natural gas etc are all a form of hydrocarbons.

Chemical group

Some hydrocarbons can cause other effects, including coma, seizures, irregular heart rhythms or damage to the kidneys or liver. The term 'Hydrocarbons' is often used when discussing traffic pollution. This refers to a group of chemicals of which volatile organic compounds are a subgroup where certain volatile compounds are known to cause cancer.

The combustion of hydrocarbons fuels releases CO₂, and other greenhouse gases that contribute to atmospheric pollution and climate change. Unlike fossil fuel impurities that result in byproduct emissions, carbon dioxide is an unavoidable result of hydrocarbon combustion. Serious toxicity and death occur due to hydrocarbon exposure through inhalation, ingestion or aspiration. Apart from Pulmonary toxicity, cardiovascular, nervous and gastrointestinal systems can also be affected.

IPCC REPORT 2021

The IPCC says if Earth's climate was stabilised soon, some climate change induced damage could not be very easily reversed within centuries. For example, global warming of 2°C this century will lead to average global sea level rise of between two and six metres over 2,000 years.

Globally, Glaciers have been synchronously retreating since 1950 and are projected to continue the melting for certain decades after the current global temperature is being stabilised. Meanwhile the acidification of the deep ocean will continue to remain for thousands of years after CO₂ emissions cease.

The IPCC report does not identify any possible abrupt changes that would lead to an acceleration of global warming during this century, but today's current situation does not rule out such possibilities, where climate change can shock you seriously.



Oil and coal are the biggest investments to earn polluted air



Carbon Monoxide

Carbon monoxide is a colorless, odorless gas that can be harmful when inhaled in large amounts which is released from the exhaust of fuel powered cars, trucks and other vehicles or machinery that burn fossil fuels. It is a potentially lethal gas which is highly toxic. During the incomplete combustion of hydrocarbon fuels, when enough oxygen is not supplied during the combustion reaction, carbon monoxide is produced.

Breathing air with a high concentration of carbon monoxide reduces the amount of oxygen that can be transported in the bloodstream to critical organs like the heart and brain. Carbon monoxide poisoning occurs when it gets buildup in your bloodstream. When too much carbon monoxide is in the air, your body replaces the oxygen in your red blood cells with carbon monoxide. At very high levels of carbon monoxide it can cause dizziness, unconsciousness and even death in closed interiors.

These people already have a reduced ability for getting oxygenated blood to their hearts in situations where the heart needs more oxygen than usual. They are especially vulnerable to its effects when exercising or under increased stress. In these situations, short term exposure to elevated carbon monoxide may result in reduced oxygen to the heart accompanied by chest pain, which is also known as angina. signs and symptoms of carbon monoxide poisoning may include dull headache, weakness, dizziness, nausea or vomiting, shortness of breath, blurred vision etc, which clearly shows that its almost killing us.

IPCC REPORT 2021

The prospect of frozen soils in Alaska, Canada, and Russia crossing a tipping point has been widely discussed. The main concern is that as the frozen ground thaws, large amounts of Carbon dioxide accumulated over thousands of years from dead plants and animals could be released as they decompose.

The IPCC report does not identify any globally significant abrupt change in these regions over this century. However, it projects permafrost areas releases more than 66 billion tonnes of CO₂ for each additional degree of global warming.

These Carbon emissions are quite irreversible during this century under all possible global warming scenarios. Natural drivers will modulate the human caused changes, especially at regional levels and in the near term, they will have little effect on long term global warming.



Carbon taxes should be imposed to develop into a post carbon world



Carbon dioxide and Ozone

Some air pollutants deplete the ozone layer and expose the earth to dangerous radiation from the sun. Carbon dioxide contributes to air pollution in its role in the greenhouse effect. Carbon dioxide traps radiation at ground level, creating ground-level ozone. This atmospheric layer prevents the earth from cooling at night. One result is the warming of ocean waters. Oceans absorb carbon dioxide from the atmosphere. However, higher water temperatures compromise the oceans' ability to absorb carbon dioxide. Over time, the effects of carbon dioxide are compounded.

Carcinogenicity

Diesel exhaust is a complex mixture of combustion products of diesel fuel, with the exact composition depending on the type of engine, the speed at which it is run, and the composition of the fuel used. Diesel exhaust contains identified mutagens and carcinogens both in the vapor phase and associated with respirable particles, which are considered likely to account for the human Lung cancer findings because they allow penetration to the entire Lungs.

Reducing particulate matter pollution is a matter of identifying and seizing the use of common polluting sources of Particulate matter. Fossil fuel combustion is the primary contributor to atmospheric particle pollution, and any tasks done with fossil fuels can typically be accomplished with cleaner alternatives and that too at the earliest to avoid disasters.

IPCC REPORT 2021

The surface of Earth's rising temperature will certainly continue to increase until at least 2050 under all emission scenarios which are considered in this new report. The assessment shows Earth could well exceed the 1.5°C warming limit by early 2030s. If we reduce emissions sufficiently, there is only a 50% chance that the global temperature rise will stay around 1.5°C.

Carbon would need to be urgently removed at the earliest by using nature based solutions. Global warming stays below 2°C during this century only under these scenarios where Carbon emissions reach net zero around or after 2050.

Some aspects of climate change may be greatly magnified, including heatwaves, flooding from heavy precipitation events and rise in the sea level in coastal cities, along with rising low likelihood outcomes can arise.



Fuel powered vehicles giving birth to carbon emissions



Diesel engine exhaust emissions

Main chemicals associated with diesel exhaust emitted by diesel engines include Carbon dioxide, Carbon monoxide, Nitric oxide, Nitrogen dioxide, Sulfur dioxide, Sulphuric acid, Formaldehyde, Acrolein, Particulate matter, Anthracene, Ahenanthrene polycyclic aromatic hydrocarbons etc.

These are compounds in the Polynuclear aromatic hydrocarbon fraction from particulate extracts of diesel vehicles. Methyl Fluoranthene / pyrene Acenaphthylene, Trimethylnaphthalene, Dimethylbiphenyl, Naphthalen, eTrimethylphenyl, Dibenzothiophene, Fluorene, Phenanthrene, Anthracene, Methyldibenzothiophene, Methylphenanthrene, Methylantracene, Ethylphenanthrene, 4H-cyclopenta phenanthrene, Ethyldiben zothiophene, 2-Phenylnaphthalene, Dimethylphenanthrene, Pyrene, Fluoranthene, Benzo dibenzothiophene, Benz Acenaphthylene, Benzo naphtho thiophene, Ethyl Methylphenanthrene, Benzofluorene, Cyclopenta Pyrene, Benzofluoranthene, Benzantracene, Indenol Pyrene, 3Methylchrysene, Phenyl, Chrysene, 1, 2-Binaphthyl, Methylbenzantracene, BenzoFluoranthene, Benzopyrene, Benzantracene, Benzoperylene, Dibenzopyrene.

The other Airborne Particulate composition of inorganic constituents and emissions from diesel exhaust include Hydrogen, Boron, Carbon, Nitrogen, Sodium, Magnesium, Aluminum, Silicon, Phosphorous, Sulphur, Lead Potassium, Calcium, Titanium, Manganese, Iron, Copper, Zinc, Barium etc.

IPCC REPORT 2021

The only July month on record that was warmer than this over Europe occurred in 2010, when western Russia experienced a much severe heatwave and the European average temperature was 1.7°C above its 1991-2020 level.

Average rising of the temperature has become a real concern all throughout this report and it's really alarming. It was above average for the majority of the ocean surface temperature. Invariably, colder areas have also remained warmer than average.

According to the recent European Union weather body report, the temperature average recorded in the last twelve months has remained above the thirty year average temperature over northern Siberia and the adjacent Arctic seas, northeastern Canada, northwestern Africa, the Middle East and the Tibetan Plateau. According to the reports these facts are really alarming.



We need a sudden system change as our days are numbered



Threat of Climate Change

Climate change is the biggest threat we face and if we don't tackle it, the consequences are grim. Air pollution causes global warming which results in climate changes that lead to rise in sea level. Team green is all set to accept this reality and fight against this global disaster. The three most important things we can do is to stop the main activities that cause air pollution, enhance our resilience to its effects and voice about it to the maximum. As a non profit organization focusing to promote the movement of green evangelisation, we are concentrating on these three vital factors to tackle climate change.

It is heart wrenching to see how the world carelessly caters and reacts to climate change, even after it alarming and threatens the existence of man on earth. It's a bit like sustainable development in which many people quietly glaze over and don't care but it is not something to be neglected as the gravity of its consequences is immensely threatening. Climate change isn't just words but it's a real fact and man made climate change resulting from air pollution caused mainly by the poisonous emissions of fuel powered vehicles and coal firing power generation is really a very scary thing. Adding to the drastic effects of climate change, it causes volcanic eruptions and dust storms where the sand dust storms are alarming.

The rise in global temperature over the last several decades is a matter of public record. There is an overwhelming scientific consensus that it can only be explained by one thing, which is the rise in greenhouse gas emissions caused by human activities.

IPCC REPORT 2021

The hotter days than ever before are occurring now. The reports warn that many of these unprecedented changes have now become irreversible, showing signs from the past centuries to the coming millennia. For example the rise in the sea level.

Strong and the sustained reductions in the rising poisonous emissions of Carbon dioxide and other greenhouse gases, could quickly make air quality better, and almost in 20 to 30 years global temperatures could stabilize.

The UN Secretary General António Guterres said that the Working Group's report was nothing less than a code red for humanity. The alarm bells are deafening, and the evidence is irrefutable. He noted that the internationally agreed threshold of 1.5° above pre-industrial levels of global heating was perilously close. We are at imminent risk of hitting 1.5° in the near term.



**DESTROY
GLOBAL WARMING
BEFOE IT
DESTROYS
YOU!!!**



PLAN
FIRST

Global warming warms up the sea water to rise which can easily destroy us.



Rising Sea levels

Air pollution is one of the biggest disasters that affect the world in its entirety, which results in climate changes that automatically leads to rise in sea levels.

Mountain glaciers shrink as ice melts at a faster rate than usual in Greenland, Antarctica and the Arctic which makes changes in flower and plant blooming times. Earth's climate has constantly been changing, even long before humans came into the picture. However, scientists have observed unusual changes recently. For example, earth's average temperature has been increasing much more quickly than they would expect over the past 100 years.

This worrying phenomena of melting is happening due to the uncontrollable air pollution affecting our planet. Rise in sea level is so serious that it automatically immerses our coastal cities, places near the seashore and also the places below the sea level across the globe, killing billions of people universally.

Climate change is the product of air pollution which describes a change in the average conditions such as temperature and rainfall in a region over a long period of time. For example thousands of years ago much of the United States was covered in glaciers but today they have a warmer climate and fewer Glaciers. Global climate change refers to the average long term changes on the entire planet which include warming temperatures and changes in precipitation, as well as the effects of earth's warming and Team green is behind the remedy to minimise its effects.

IPCC REPORT 2021

The only way to prevent exceeding this threshold, is by urgently stepping up our efforts, and pursuing the most ambitious path. We must act decisively now to keep 1.5°C alive.

The UN chief, in a detailed reaction to the report, said that solutions were clear. Inclusive and green economies, prosperity, safety, cleaner air and better health are possible for all, if we respond to this global crisis with solidarity and courage.

All nations especially the advanced G20 economies needed to join the net zero emissions coalition, and reinforce their frequent promises on slowing down and reversing the rise of global heating, with credible, concrete, and enhanced (NDC), the Nationally Determined Contributions about detailed steps to be followed and this will surely make a difference in the present alarming situation.



Don't wait for the ocean to rise, then you will not be able to rise



Hottest decades

The real truth is that climate change is not only causing global warming but it is quickly speeding it up. The 20 warmest years on record have all come out of the previous 2 decades. The last decade has been the warmest as they have recorded it as the hottest years and it has grown hotter to such an extent that even the icebergs started melting in the arctic ocean. The year 2020 has recorded the hottest days and this should be treated as a warning that air pollution is rising beyond the most dangerous levels. Millions of people are already losing their precious lives due to air pollution disasters and if the air gets polluted further, the number of deaths will also increase considerably.

Indeed we have naturally occurring climate changes since the earth was formed and none of the natural causes of climate variation such as the sun's output, the tilt of the earth, volcanic activity or emissions from rotting vegetation, can account for the warming we observe today. The current disaster is mainly caused by the emissions from fossil fuels caused by human activities over the last two hundred years.

The concentrations of carbon dioxide in our atmosphere have increased by nearly 30% since the beginning of the industrial revolution and the huge increase in the number of petrol and diesel vehicles along with some other factors also is causing air pollution that results in climate changes. This records the fastest time for rise in global temperatures because the volume of pollution increases much more rapidly than expected.

IPCC REPORT 2021

Assessment is based on the improved data on crucial historical warming, as well as the current progress in scientific understanding of the response of the climate system to human caused emissions.

It has been very clear for decades that the Earth's climate is changing, and the role of human influence on the climate system is undisputed. Major advances in the science of attribution towards understanding the role of climate change in intensifying a specific weather and climate events.

Human activities affect all types of major climate system components, with many of them responding over decades and many others over centuries. Scientists claim the evidence of observed changes in extremes such as the heatwaves, heavy precipitation, droughts, and tropical cyclones which are really alarming to the whole world.



♥ I WANT A
HOT BOYFRIEND
NOT A HOT
PLANET



Green planet is always better than a warmer planet.



Faster warming a danger

Some parts of earth are warming faster than others but on an average, global air temperatures near earth's surface have gone up about two degree fahrenheit in the past 100 years. In fact, the past five years have been the warmest five years in centuries. Many people, including scientists, are concerned about this warming because when earth's climate continues to be warm, the intensity and amount of rainfall during storms such as hurricanes is expected to increase. Droughts and heat waves are also expected to become more intense as the climate warms.

When the whole earth's temperature changes by one or two degrees, that change can have big impacts on the earth as a whole and the most affected will naturally be the health of human life, plants and even animals too.

There are many factors that contribute to earth's climate. However scientists agree that earth has been getting warmer in recent years due to human activities such as carbon and other poisonous emissions from fuel powered vehicles and other related activities, because certain gases in earth's atmosphere block heat from escaping which is called the greenhouse effect. These gases keep earth warm like the glass in a greenhouse keeps plants warm.

Human activities such as using more petrol and diesel vehicles, burning of agricultural wastes, coal firing power plants, felling of trees to widen roads, construction everywhere and so on are changing the natural greenhouse. These changes cause the atmosphere to trap more heat.

IPCC REPORT 2021

The human influence attribution has been greatly strengthened and that many changes in the climate system become larger in direct relation to increasing global warming.

This includes increases in the frequency and intensity of the heat extremes, marine heatwaves, heavy precipitation, agricultural and ecological droughts in some regions, the proportion of intensifying tropical cyclones as well as the reductions in Arctic sea ice, snowcover, permafrost etc.

The report makes clear that while natural drivers will modulate human caused changes, especially at regional levels and in the near term, they will have little effect on long term global warming. Very soon climate changes will increase in all regions.



*Even the smallest rise in sea level
will be a nightmare for coastal cities.*



Climate change affects the coastal cities more than anything else



Acidic Ocean

The ocean also absorbs a plenty excess carbon dioxide in the air which is mainly caused by excess carbon emissions from exhaust of fuel powered vehicles, coal firing power plants and so on. Unfortunately, the increased carbon dioxide in the ocean makes the sea water more acidic which is called ocean acidification.

The seawater automatically loses the oxygen content and results in an acidic ocean which affects the normal evaporation process that causes dangerous climate changes. More acidic water can be very harmful for creatures of the oceans, example, coral reefs and shellfish. Warming oceans from too many greenhouse gases in the atmosphere can also be harmful to these organisms and also a main cause of coral bleaching.

When human activities create greenhouse gases, naturally the Earth warms. This matters because oceans, land, air, plants, animals and energy from the sun all have an effect on one another. The combined effects of all these things give us our global climate. In other words, the earth's climate functions like one big connected system.

Scientists can observe how earth's systems work together. This will help us understand how small changes in one place can contribute to bigger changes in earth's global climate. In such a situation, you can imagine the huge difference, air pollution is creating and adversely affecting each and every minute system of our universe which is all connected together.

IPCC REPORT 2021

At 2°C of global warming, heat extremes are more likely to reach critical tolerance thresholds for agriculture and health. But it won't be just about temperature. For example, climate change is rapidly intensifying the natural production of the water cycle.

This brings more intense rainfall and associated flooding, as well as more intense drought in many regions. It is also affecting rainfall patterns. In high latitudes, precipitation is likely to increase, while it is projected to decrease over large parts of the subtropics.

Changes to monsoon rain patterns are expected, which will vary by region, the report warns. Moreover, the coastal areas will face continues sea level rise all throughout the 21st century, contributing to severe coastal flooding in low lying areas and coastal erosion. Sea level rise will be the greatest atrocious effect of air pollution.



Faster *the melting of ice ...* *will be the rise in sea level*



Air pollution causes global warming which results in melting of icebergs



Terrible consequences

If we don't tackle climate change at the earliest, most harmful things will happen. Global warming is another of those deceptive phrases which doesn't sound that threatening. Our generation doesn't identify with what will actually happen as the globe warms.

So let's not waste time again and wait for these disasters to happen and Team green is fully committed for contributing its maximum in all possible ways to reduce air pollution which is the basic cause of all these disasters because the consequences of the same are terribly dangerous.

As the higher latitudes will be hotter and wetter, we will have wetter winters, and extreme rainfall events will become even more extreme. Sea levels will rise significantly, perhaps by up to a meter by 2100, as waters warm and take up more space with our Glaciers and land based ice sheets melting. Sea level rise is particularly scary, because extreme flooding or drought can do terrible harm, and recovery from them is almost impossible.

It's a fact that there is no recovery from a rising sea because it takes land, communities, infrastructure and everything else away forever. All of these changes in climate will have terrible consequences. It's so shocking that the concerned authorities are so slow in reacting to this global disaster but let's not wait for anyone who has other intentions as their main criteria. We should join hands together to fight for this noble cause of reducing air pollution to the maximum at the earliest. Neglecting sea level rise matters a lot and it's high time for a change.

IPCC REPORT 2021

Extreme sea level events that previously occurred once in 100 years could happen every year by the end of this century. Further warming will amplify permafrost thawing, the loss of seasonal snow cover, melting of Glaciers, ice sheets and loss of summer Arctic sea ice.

Severe changes to the ocean, including warming, more frequent reduced oxygen levels, marine heatwaves and ocean acidification affect both ocean ecosystems and the people that rely on them, and they will continue throughout at least the rest of this century.

From a physical science perspective, the limiting human induced global warming to a certain specific level requires an urgent limiting of cumulative Carbon emissions, reaching at least net zero Carbon dioxide and greenhouse gas emissions as committed by the world leaders.



OUR PLANET
IS GETTING
HOTTER
THAN COLE
SPROUSE



Warmest 20 years on record happened in the previous 2 decades



Extreme hot conditions

The environment suffered badly with numerous species, habitats, birds, trees and aquatic being affected by the developing extreme hot conditions and high demand for water. The environment agency responded to a massive increase in drought related incidents where even the fishes are struggling due to low river flows and low oxygen.

This is not happening every year but if this increasing trend of pollution continues, then it will happen more frequently and it will further worsen. After some years it is likely that there won't be anything exceptional about winters like the one we experience now. There will be drastic changes in climate for the coming years, as it is becoming hotter and hotter day by day.

Scientists have stated that the earth's surface is warming and many of the warmest years on record have happened in the past 20 years and this is basically due to the rise of air pollution day by day. This means that the melting of ice mountains have also become faster and the sea level is also increasing.

So let's accept that climate change is a real disaster which affects everyone and everything. Therefore, we should soon join hands above our selfish goals by acting together to reduce air pollution at the earliest. "Team Green" is deeply committed to bring a healthier green environment than ever before by promoting electric vehicles to replace petrol and diesel vehicles, along with solar panels to the maximum as the initial positive step to fight against air pollution which causes disasters all around us.

IPCC REPORT 2021

Our commitment is to make changes in the way we manage our environment, protect health and secure livelihoods with economic security for all.

Our aim is to bring you the most perfect and exact updates and perspectives to make a change in the world. Global emissions will reach its peak by 2025 if it keeps warming at 1.5 degree Celsius. Even in the most optimistic scenario, there is only a minute 50% chance that global temperature rise will stop there.

Earth could exceed 1.5°C of global warming, which is the most safe limit, outlined in the Paris Agreement as soon as the early 2030s, as per the world's most senior climate scientists. The report's state that staying below 2°C this century will only happen if emissions reach net zero by 2050. Global emissions may hit the peak some time in the middle of this decade.



GREEN EARTH IS VANISHING POLLUTED EARTH IS ESTABLISHING



As air pollution increases, the greenery of earth decreases



Huge economic loss

The report titled “Greenpeace: cost to Economy Due to Air Pollution Analysis 2021” was released by Greenpeace, a global climate action advisory group. It stated that air pollution caused economic damages up to a fortune of Rs. 2 lakh crore in India during the year 2020.

Indian urban cities are becoming increasingly congested due to migration for education, employment and better quality of life. But the increasing population has led to a rise in pollution levels due to the rise of private cars, millions of online cabs in the past decade, felling of trees to widen roads, construction etc.

Despite recording relatively better air quality in the year 2020 due to strict lockdown, air pollution continues to be a serious public health issue which also drastically impacts our economy. For the Governments of the day, it is crucial that investments are made towards green and sustainable solutions.

“When we choose fossil fuel over clean energy, our health is put at stake. Polluted air increases the likelihood of deaths due to cancer, stroke, spike in asthma attacks and worsens the severity of Covid-19 symptoms,” said Avinash Chanchal, Climate Campaigner, Greenpeace India in a statement. Considering the present tragic situation of air pollution, this report has to be taken with utmost importance to know the real facts out of this disaster. Over 120,000 people died in India and at least 12,000 in Bengaluru alone in 2020 as a result of air pollution and related problems, as per the Greenpeace Southeast Asia Analysis of IQAir data.

UN CLIMATE ACTION

The UN Secretary General urged that young people have been in the forefront of putting forward most positive solutions, advocating for climate justice and holding leaders to account. We need young people everywhere to keep raising their voices and described the recent climate emergency as a code red for humanity, with the poorest and vulnerable already hardest hit.

The window of last ever opportunity to prevent the worst impacts of the climate crisis is closing quickly. We know what needs to be done and we have the tools to do it, he said. He urged the young climate leaders to vibrantly keep speaking up for ensuring that at least 50% of climate support is for adaptation to protect lives and livelihoods.

He outlined that why their voices are needed now, and also urged developed countries to provide funds for climate finance.



It's almost time to vacate the cities on the sea coast if the pollution rate still continues....



Initially the places below sea level will be drastically effected.



UN CLIMATE ACTION

Failure to deliver means massive loss of innocent lives and livelihoods, Antonio Guterres said. The United Nations Chief encouraged countries to use the ministerial meeting to rebuild trust, necessary in the COP26 much awaited climate change summit in the year 2021, especially the young people in particular, continue to lead the growing calls for more ambition.

They strictly will hold us more accountable and climate justice demands that we bequeath them a liveable planet," he said. Countries must take the long view, and the moral high ground, said the UN Chief "so that this and future generations can look forward to peace, opportunity and dignity for all on a healthy planet."

Hundreds of top delegates from across the world are taking part in the meeting, which is a main precursor to the UN COP26 climate change conference.

Extreme flooding

More frequent extreme flooding and coastal erosion are caused by those wetter winters, heavier rain, stronger storms and rising sea levels which threaten all of us, because floods destroy lives, livelihoods and communities. More water shortages and higher drought are caused by the hotter drier summers and less predictable rainfall which could cause deep damage to our economy and our environment.

We could have a real nightmare for the future when the high seas overwhelm our sea defences and secondly where the rivers flood the land behind the defences and a third one which is the worst of all are both of these things happen together. The result is, if we fail to address these future risks with utmost seriousness, then there will be many low lying parts of the country either permanently waterlogged or flooded with increasing frequency. If we continue to allow climate change go unchecked, then, Asian green and pleasant land will be neither green nor pleasant and if sea levels rise significantly, there won't be much of our land left either.

The environment agencies have spent millions of pounds for improving and maintaining sea walls and other coastal defences. In 2013 there was a bigger east coast storm surge which happened more than one sixty years before. Therefore the more we prevent these crisis' the better. There's a limit to what's practical and even if we build higher and stronger defences along the coastline, there's another problem for our rivers which get flooded within no time.



Only the water boats may exist in the coastal cities if the sea level rises



Vanishing Species

If we continue to emit greenhouse gases at the same rate as of today, then by 2050 one million species across the globe are likely to vanish. Apart from the disasters affecting human life more damage may be caused to wildlife and the habitat on which it depends. Our Asian continent is particularly exposed to these effects because Asia sits at weather crossroads, with a big water mass to the west, a large landmass to the south and the jet stream running over the top. Our location makes us more prone to this extreme weather than others. Thus, it's not the time to get comfortable because this disaster is at our doorsteps.

Terrible human loss and millions of animals dead with some rare species vanished forever, has also happened due to air pollution resulting in climate changes. More frequent fires and extreme wildfires, such as we saw Australian bush fires with terrible human loss, are also due to climate changes. More air and water pollution arises due to those longer, hotter summers that will threaten the living world of plants, animals, our wider environment and our own health. Climate change resulting from air pollution is something we cannot express ourselves in terms of its extent on disaster levels.

So, let's not waste time any further and act in the quickest way possible to reduce air pollution to the maximum and Team Green is ever committed to join hands with anyone who is willing to accept this reality and work together for bringing a healthy green environment.

UN CLIMATE ACTION

Air pollution from coal fired power plants is linked to horrific global warming and the other damaging environmental and public health consequences. We have heard about many of the government commitments made today, but just as significant are the concrete pledges made by several coalitions.

No New Coal contract includes Sri Lanka, Denmark, Chile, Montenegro, France, Germany, and the UK. Countries involved in the coalition have committed to immediately stop issuing new permits for unabated coal fired power generation projects and urgently cease new construction of all unabated coal fired power generation projects.

The 24/7 Carbon Free Energy Compact, led by Google and in partnership with a group of energy buyers aims to transform electricity grids to absolute zero, ie, full decarbonization.



**THIS IS
YOUR
GLOBAL
WARNING!**

Global warming is a crucial warning which is really alarming



Dense rain disaster

Due to the effects of climate change, more rain is likely to fall quickly into our rivers. So they will fill up quicker and will flood the surrounding land unless they can rapidly discharge all that rainwater into the sea. But the higher tides and sea levels which climate change will bring also mean that precisely when we need our rivers to be better at discharging water to the sea, they will not be able to do so, due to increasing tide locks.

This means at the time of high tides the sea does not accept the waters from the rivers and so the respective Governments should make sure that shutters of dams should be opened in such a manner by calculating the time required for this discharged water to reach the sea at the time of low tides.

So when there is a warning that heavy rain would affect the dams within a few days, then the dam management should not wait for the water to reach the shutter opening level but release the water much earlier when low tides are found in the sea. If dam management is poor, easy floods will happen. These are certain alerts required when we are in a threat of serious climate change effects caused due to massive air pollution.

Moreover climate change can affect the intensity and frequency of precipitation. Warmer oceans increase the amount of water that evaporates into the air. When more moisture-laden air moves over land or converges into a storm system, it can produce more intense precipitation as heavier rain and snow storms which has to be prevented to avoid further disasters.

WHO AIR QUALITY GUIDELINES

World Health Organization guidelines of air quality for pollutants such as Particulate matter, Ozone, Nitrogen dioxide and Sulfur dioxide include, the redoubling of efforts to identify, address and prevent the serious health impacts of air pollution, strengthening, and multi sectoral cooperation globally.

The National priorities, to enable health systems, including health protection authorities will be prime concerns. To take a leading role in raising awareness in the public and among all stakeholders of the impacts of air pollution on health should be effectively done.

Opportunities to reduce or avoid exposure, to facilitate more accurate and relevant research, includes developing and utilizing exact databases on morbidity and mortality of health impacts on assessments, the use and costs of health care services etc.



*Container ships are using upto
80 000 litres of most polluted bunker
fuel in a single day*



A big container ship has the same pollution of more than 50 million cars



Pollution from Ships

The world's biggest container ships have 109,000 HP engines weighing 2,300 tons which is responsible for 18-30% of the world's nitrogen oxide pollution and 9% of the global sulphur oxide pollution. It's shocking to know that some shipping containers produce more greenhouse gas emissions than some small countries. Some of these container ships are more than the length of around six football pitches which can produce the same amount of pollution as 50 million cars.

Over 90% of world trade is carried across the world's oceans by numerous marine vessels which is more than 90,000 container ships. Like all modes of transportation that use fossil fuels, ships also produce poisons carbon emissions that significantly contribute to disastrous global climate change and acidification. Apart from carbon emissions cruise ships generate a number of waste streams that can result in discharges to the marine environment, including sewage, greywater, hazardous wastes, oily bilge water, ballast water, and solid waste.

Fine particles of chemicals which are exhausted mainly out of the fuel powered vehicles and coal firing power plants can travel thousands of miles on the back of dust storms, which may also carry pathogens and harmful substances, causing acute and chronic respiratory problems. By giving maximum awareness about these global disasters of air pollution, Team Green is trying to establish the remedy of minimising the global disasters of air pollution and thereby reduce the millions of premature deaths by implementing measures for a green healthy environment.

WHO AIR QUALITY GUIDELINES

The enormous societal costs mainly associated with human health and supporting identification of proper research priorities along with strategies, engaging with academia to address required knowledge gaps and supporting the strengthening of national research institutions.

International cooperation in research to clearly identify and implement sustainable solutions for enhanced global response to the adverse health effects of air pollution. The exact national context, includes collecting and utilizing data relevant to the health outcomes of air quality, by contributing to the overall development standards.

Dissemination of very good practices and lessons learnt from implementation and by working towards harmonization of health related indicators that could be used by decision makers are highlighted in this guidelines.



*Oil transportation....
from 10 countries to 200 countries
the biggest pollution*



Pollution from ships will be more than the emissions of a country



Oil Transport Pollution

Transporting oil from 10 countries to more than 150 countries around the world is the main reason for the international sea routes being busy and the major reasons for air pollution. So the replacement of petrol and diesel vehicles with electric vehicles or hydrogen powered vehicles is the only option to reduce this huge disaster of air pollution from oil.

Nearly all cargo Ships use diesel combustion engines to turn the propellers, plus diesel generators that power onboard lighting systems and communications equipment. Many vessels still burn heavy bunker fuel, a viscous carbon intensive petroleum product that's left from the crude oil refining process. The environmental impact of shipping includes air pollution, water and oil pollution, acoustic, greenhouse gas emissions etc.

Transporting goods around by sea requires more than 300 million tons of dirty fuel, which produces maximum carbon dioxide emissions and thereby giving the international maritime shipping industry the same carbon footprint as a country like Germany in size.

A Triple E class Maersk container ship capable of carrying more than 18,000 shipping containers with 60 megawatts of power, uses 80,000 liters of fuel in a day and this is also considered as the most efficient cargo ship on the planet. So we can imagine the huge volume of pollution resulting from a single ship which proves the fact that the pollution from one single ship is equal to the pollution caused by 50 million diesel or petrol vehicles. This is an unbelievable fact for the common man as there are nearly a lakh of ships sailing in the sea.

WHO AIR QUALITY GUIDELINES

To improve the morbidity and mortality surveillance for all illnesses related to air pollution, and optimize the frequent linkage with latest monitoring systems of air pollutants, to take into account the WHO indoor and out door air quality guidelines.

More relevant information in the crucial development of a multi sectoral national response to air pollution problems is needed to carry out measures for sincerely support the aims of WHO guidelines. Meaningful progress in reducing the levels of indoor air pollution such as lighting, clean cooking and heating practices and efficient energy use is needed.

Effective steps, to address and to minimize air pollution as far as possible, specifically associated with serious health care activities, including the appropriate implementation of the relevant WHO guidelines.



Donate Us

A small charity will have a big impact

D O N A T E U S



DONATE US

We sincerely welcome all socially committed citizens universally to join hands with your humble contributions as donations to fight against the greatest disaster of mankind which is air pollution and thereby save the millions of people who are losing their precious lives every year, due to the disastrous effects of air pollution.

So let's decide today that my smallest contributions can change a disaster which the world is facing and there is no doubt that your life will become more meaningful and even your smallest effort will be a great contribution for the biggest change that the whole universe is thirsting. To know the intensity of the same we can categorically establish that air pollution is thousand times more problematic than the recent Covid-19 pandemic which has shaken and shut the whole world for a considerable period of time.

DONATIONS HAVE MORE IMPACT

Donate without remembering and always receive without forgetting. No one has ever become poor by donating and it's always easier to take than to give. The thrill of taking lasts a day but the thrill of giving lasts a lifetime. Real happiness doesn't result from what we get, but from what we give.

Having some extra money to spare for donations or for some extraordinary people who create sources to donate amidst financial struggles, have the power to improve the lives of others and is one that comes with its own sense of obligation.

Donating creates powerful feelings of responsibility, which is a great way to reinforce our own personal values and feel like we're living in a way that is true to our own ethical beliefs. Giving donations is more impactful than ever.



VOLUNTEER

**DONATION
BOX**

Great future is in good charity... donate maximum



DONATIONS

DONATE US

Giving is a very personal thing, and to gain a much better understanding of why they choose to share their wealth with others, then the best way to know about that feeling is for you to start giving donations, rather than running behind others to know the exact benefit you get while donating.

Donating can give a better future when our own motivations drive the causes we donate to and why, thereby gaining the social progress you want to see. Donate spontaneously to our project which is undoubtedly a no better cause to fight for, in the middle of visible experiences of climate changes happening globally, resulting from air pollution.

Be active towards our major fundraising appeals, friendship sponsorships, or setting up teams to donate regularly for a cause you're worried about, ie. air pollution.

Donating to the causes you care about not only benefits the organization themselves, it can be deeply rewarding for you too. Millions of people give donations on a regular basis to support causes they believe in, as well as for the positive effect it has on their own lives. Giving donations to a nonprofit organization is not a business transaction. It is a connection between humans and the world.

DONATING SECTION 8 COMPANIES.

Green Evangelisation Movement Council is a section 8 company which can seek donations from individuals and organisations for using the funds to further strengthen its mission. Section 8 companies in general can pursue projects and generate profits through donations and grants. As a non profit organisation, there is no need to share any dividends or profits with the shareholders or members of the organisation. It is formed with the sole objective of promoting different solutions for pollution and thereby ensure maximum protection of the environment.

Collecting donations is a beneficial method for organisations like us to focus more on helping others and protecting the environment, most effectively. So you can donate us without any hesitation because the entire donations are used for promoting the main objects of the organisation which is to fight against air pollution and bring about a healthy green environment around us.



**INVEST IN THE
CLIMATE FUND
TO FIGHT
GLOBAL POVERTY**

Investing in electric vehicles and solar panels is the biggest savings



DONATIONS

Some donators are directly experiencing the hardships of the developing world which mainly occurs out of the disasters of air pollution leading to devastating climate changes which prompts them to make more donations.

There are several millions of victims being affected by the drastic effects of air pollution every year, that causes many respiratory diseases, Lung cancers etc. Your donations can definitely make a difference to this most pathetic situation. The reasons for giving donations can sometimes be diverse too, where some people have more than one influence motivating them to give.

Some of the other driving factors for donating include a belief that my donations can bring about a change in the world, as some people with the same attitude when multiplied by millions will surely transform the whole world.

DONATE US TO BE MORE HAPPY

The knowledge that you're helping others is hugely empowering and in turn, can make you feel happier and more fulfilled. Research has identified a link between making a donation and increased activity in the area of the brain that registers pleasure, proving that the enjoyment they receive from giving is positively influencing every aspect of their life and it's always far better to give than to receive.

Donating strengthens personal values and a feeling of social conscience to a great extent. Donators feel that it's their moral duty to use what they have to help others, a sentiment very much rooted in their personal values and principles.

DONATE AND SAVE OUR PLANET

The charitable donations help us to have an effective appeal, where it is important that you reach out to our non profit organization and take little pain to go deep into our project which will create an inspiration for you to donate because it touches almost every aspect of a human being, other species in our planet and even the existence of our earth as a whole. The purpose of donations is to help others and to protect our planet.

Organizations like us who are dealing with many activities to promote a healthy green environment, are not allowed to take any profit where every penny we have raised is used to achieve the aims of the organization as specified in the objectives of the memorandum and articles of association. There are no shareholders or owners that can benefit from our donations. Donating makes you feel good and is also a mood booster. Whatever we preach, or alert the public by awareness programs, we need donations to make things practical.



Let's Go Green

DONATIONS

Your greatness is not what you have , it is what you give



DONATIONS

Moreover the satisfaction they get from giving donations and the determination to leave a positive legacy, naturally increases the volume of donations. Many of the donators are also passionate about the environment and other developments based on green projects, others just want to help those who are less fortunate.

You can also choose to give anonymously and always donate with a purpose. Understanding how much your donations can help you to have more impact with your charitable giving will motivate you to give more donations and even motivate others to donate for that noble cause.

Most of the time, we think we can't give enough as donations. A phrase we have been thinking about lately when it comes to the environment is 'think globally, act locally, and the same thing must apply for giving donations.

DONATE US AND SAVE TAX

Thankfully there are ways to make the most of every donation to use it fruitfully with the backup of proper registrations from the Income tax departments which exempts any extra tax from the donations and at the same time, tax benefit to the donators too.

There are many other ways also to give donations effectively too, such as by donating straight from your salary before tax is deducted through a payroll giving scheme, donating shares to charity or leaving a charitable legacy in your Will. These methods of giving ensure your chosen charities benefit as much as possible from your support. Donating actually introduces your children to the importance of generosity.

DONATION BOX

Sharing the experience of donating with your children shows them from a young age that they can make positive changes in the world. Children naturally love to help others, so nurturing their innate generosity is likely to mean that they grow up with a greater appreciation of what they have, and will definitely carry on supporting charity in years to come.

Starting a tradition of donation with the involvement of your children is much easier, by creating a family donation box that everyone can add to it and nominate a family donation each year, by involving the children in choosing the most noble cause of reducing air pollution to support.



**FOOD
DONATIONS**

**DONATION
CLOTHES**

**THANK
YOU**

Don't turn your back to those in need



DONATIONS

Donations from all walks of life will surely strengthen the projects of the organization especially the electric vehicle where there is a commitment with the customers for the entire lease period of 48 months.

This will compensate the unexpected losses which arise out of pandemics and accidents. As transportation sector is the biggest pollution factor, we are forced to do this electric vehicle leasing project without any risks whatsoever

When you donate, you do an amazing thing. Whether it's a normal regular donation or a more spontaneous one, together let's make a new world with the very basic right of getting clean air to breathe for being healthy, as health is always the real wealth. If this project has inspired you to make a donation, you can log on to our website and just click donate us by giving your proper identity and contact details

DONATIONS ARE INSPIRING

Donations by any individual or family naturally encourages friends and other related families to do the same. Your own charitable donations can inspire your nearest and dearest to give for causes important to them, and could even bring about a family wide effort to back donations that have special significance to you as a group, especially to fight for a cause which is a universal disaster that affects each and everyone on this planet including the earth as a whole.

Donating creates a bond, helping to bolster relationships through a shared goal and raising more money that could otherwise be possible through individual donations. Chances are, many of your family members are already giving donations, so working together could help you to make even more of a positive impact and a blessing from the nature.

Donations are usually made by most of the people who believe that one particular cause they are passionate about and for most of the people, this was the key influence behind their donations and to be honest there is no serious cause than reducing air pollution from all possible sectors especially the transportation sector, which is the single biggest reason for air pollution, followed by coal firing methods to produce electricity.

Moreover some of the donations are made out of the personal experiences of certain donors, or the reasons which personally matter to them from the social cause which the Organisation is aiming for.



DONATIONS

Donate today because tomorrow you may be the one who needs help



DONATE NOW

Donations will be accepted from Indian citizens only in the Indian bank account. All donations are received through Credit card, Debit card, Google pay, Phone Pay, Cheques, Drafts, Swiping machines and Online transfers but never in cash. Make sure that you do not make any payments as cash to any of our Volunteers or to our bank account under any heads other than donations and we will not be responsible for any such payments. We do not accept money for any of our activities or services either by bank or cash except donations which is credited directly to our account at your free will and understanding for promoting our green oriented projects and services.

BANK DETAILS

Bank Name	: State Bank of India
Account Number	: 11330100106069
Account	: Green Evangelisation Movement Council
Branch	: Kanjirappally, Kottayam, Kerala
Type	: Current Account
IFSC	: SBIN0070115

Your donations are so vital for us to make a change in the polluted environment around us and thereby enable clean air to breathe for saving the billions of people struggling out of air pollution.

Air pollution is a global disaster which can travel long distances, sometimes across continents on international weather patterns that easily goes beyond boundaries, making it a universal disaster. Initially our activities will be concentrated in India and further across the all continents to spread the golden message of green evangelisation. So your most humble and valuable contributions will really matter a lot because your small noble acts when multiplied by millions of people will transform the whole world.

Solution for Pollution begins here



FRANCIS JOHN MADUKKAKUZH
NATIONAL SECRETARY

Parish - St. Antony's church,
Kanjirappally, Kerala - 686508

I really feel that solution for pollution begins here

TEAM GREEN



FRANCIS JOHN

As an individual who thrives in social activities and a dedicated member of the Jesus Youth movement, I am excited about the prospect of channeling my energy and enthusiasm into meaningful initiatives with GEM. Through my involvement, I aspire to contribute positively to society by addressing critical environmental challenges and advocating for change at both the individual and community levels.

I firmly believe that the synergy between GEM's goals and the government's initiatives to combat pollution and promote renewable energy creates an opportunity for a collaborative partnership. My association with GEM would not only enable me to play an active role in achieving environmental sustainability but also align with the government's efforts to create a cleaner and healthier living environment for all citizens.

I kindly request your support and endorsement of my decision to join the Green Evangelisation Movement. Your recognition of the value that individuals like me can bring to such organizations will undoubtedly enhance our collective efforts to create a more sustainable world. I am confident that by working together, we can create a significant positive impact on our environment and contribute to the overall well-being of our society. In addition, GEM's emphasis on promoting solar energy resonates deeply with my values, as it holds immense potential to mitigate climate change, reduce our dependence on non-renewable energy sources, and contribute to a sustainable energy future. By becoming a part of GEM, I aim to work collaboratively with fellow members to encourage the adoption of promoting solutions for pollution and support policies that facilitate its integration into our society.

Let's join hands together from the grass root level of this organisation by becoming a volunteer who has a real passion to work for a healthy green environment to save the universe as a whole and also a means of the biggest ever savings which happens automatically. In the course of the huge transformation of changes in all polluted activities by pumping alternatives to reduce pollution monetary gain also comes as a natural phenomenon and for all that golden moments the place is right here because Solutions for Pollution begins here.

NATIONAL SECRETARY
GREEN EVANGALISATION MOVEMENT



SABU THOMAS VELICHIYANI
STATE SECRETARY

Parish - St. Thomas church,
Kanjirappally, Kerala - 686512

Going green saves the earth as well as a means of savings too

TEAM GREEN



I am a retired person who was working in Mahatma Gandhi University, Kottayam and even though late I have reckoned the real cause of air pollution. Without wasting time I am fully dedicating the rest of my life to promote this real remedy for reducing the suffering of people affected by chronic respiratory diseases like lung cancer, spike in asthma, stroke etc caused out of air pollution.

As per the world health organization most of the diseases are the result of air pollution and there are two big sectors which contribute more to this disaster, which is the transportation sector and the most polluted ways of producing electricity. I am so keen to spend the rest of my life promoting this Green revolution movement for taking active steps to reduce pollution from all sides especially both these sectors by implementing alternatives for the same rather than conducting mere awareness programs.

I am so happy that this movement will also be a reason for creating enormous job opportunities while attempting the huge transformation from the polluted man-made dreadful activities to sustainable green oriented alternatives. As air pollution is a universal disaster, this project of Green Evangelisation Movement too will not be restricted within any boundaries and this reality will help the experienced Volunteers in India to work worldwide for promoting this movement universally.

It's time to remind you that the environment we live in requires a lot of protection. There are many environmental issues that the world is facing right now, and there's a big push for us humans to change our lifestyles for the benefit of the planet. One of the biggest contributors to the global waste epidemic is plastic pollution which is a wreaking havoc on the health of humans, global wildlife and our planet's oceans, marine life etc. If you really wish to reduce your carbon footprint and live a more sustainable life, there are countless things you can do to have a positive impact on the planet and we help you to implement the same by developing a social instinct in you to work for the environment with a real passion.

STATE SECRETARY
GREEN EVANGALISATION MOVEMENT



TOM K TOM KAVUNGAL
GENERAL SECRETARY
Parish - Cathedral church,
Kanjirappally, Kerala - 686507

Let's fight together against the biggest disaster... Air pollution

TEAM GREEN



My Jesus Youth experience always made me thirst to work for the poor and was always thinking of certain alternatives that can reduce poverty as well as diseases. These two factors are the main reasons for human problems and if we are able to find a solution for these two aspects then we will be a reason for building a heaven in this universe instead of a hell which is well established in many of the families with sufferings beyond words.

Health is always our real wealth but we are not able to concentrate even on the basic factors of healthy habits due to poverty and problems which divert our thoughts and actions to a different world. As an individual who thrives in social activities and a dedicated member of the Jesus Youth movement, I am excited about the prospect of channeling my energy and enthusiasm into meaningful initiatives with GEM. Through my involvement, I aspire to contribute positively to society by addressing critical environmental challenges and advocating for change at both the individual and community levels.

I am fully overwhelmed with joy and hope because our organization is concentrating on promoting solutions for both these aspects that affect human life by providing job opportunities without many complications and conditions and also finding a solution for the cause of most of the diseases too. By swiftly promoting alternatives for the main reasons that generate pollution we are finding solutions for a healthy, happy life for the common man and I am really proud and honored for associating with such a gem of a movement that finds solutions for the real problems affecting human life and the universe as a whole.

I kindly request your support and endorsement of my decision to join the Green Evangelisation Movement. Your recognition of the value that individuals like me can bring to such organizations will undoubtedly enhance our collective efforts to create a more sustainable world. I am confident that by working together, we can create a significant positive impact on our environment and contribute to the overall well being of our society.

**GENERAL SECRETARY
GREEN EVANGALISATION MOVEMENT**



REYNOLD J THOONKUZHY
MANAGING DIRECTOR

Parish - St. Antony's Church,
Kanjirappally, Kerala, 686508

I really feel that prevention is better than cure... that's what we do

TEAM GREEN



As a Jesus Youth Volunteer from my childhood I am so glad to express my earnest interest in becoming a part of the Green Evangelisation Movement (GEM), a non-profit organization committed to address environmental challenges that promote sustainable practices, which I really feel is the need of the day for spreading the good news of safeguarding god's own nature which is polluted by man made activities.

As a responsible citizen, I believe that my association with this movement will allow me to contribute to a greener and more sustainable future, while aligning with the government's efforts to combat air pollution and promote renewable energy sources. I am particularly drawn to GEM's mission of reducing huge pollution caused by vehicular emissions and promoting the adoption of solar energy solutions to bring about healthy green environment around us. The alarming levels of air pollution resulting from vehicular emissions have grave consequences for both public health and the environment. By joining here, I intend to actively participate in initiatives aimed at raising awareness about the detrimental effects of vehicular pollution and their advocating for cleaner transportation alternatives.

Our movement is a beacon of hope in a polluted world that emerges as a movement fueled by faith, passion, and a commitment to our planet. GEM is not just another environmental organization, but it's a community of dedicated individuals, united by a shared vision, to heal our polluted world and create a brighter future for all. GEM goes beyond mere awareness campaigns by offering solutions that actively promote electric vehicles, solar energy, biogas plants, and other alternatives to reduce pollution.

GEM is not just for the privileged few. We offer a range of volunteer opportunities and heavily paid positions, making environmental activism accessible to everyone. Our passion for the environment is grounded in our faith, giving us the strength and conviction to persevere in the face of challenges. Whether you're a seasoned environmentalist or a curious newcomer, GEM welcomes you with open arms to join this green revolution movement. We believe that together, we can heal our planet and build a brighter future for generations to come.

Let's go green together and make the world a healthier, happier place by volunteering in Green Evangelisation Movement because Solution for Pollution begins here.

MANAGING DIRECTOR
GREEN EVANGALISATION MOVEMENT



ALEN BERCHMANS
EXECUTIVE DIRECTOR

Parish - St Ephrems Church,
Kanjirappally, Kerala - 686520

Let's save the earth and bring a healthy green environment around us

TEAM GREEN



ALLEN BERCHMANS

As a Jesus Volunteer from my college days I had a long vision and dream of a permanent solution for pollution from different sectors especially air pollution which is really contaminating our universe as a whole. In Green Evangelisation Movement, I really feel that my dream has come true because we are trying to reduce almost all the major reasons that are causing air pollution, especially the transportation sector and the polluted ways of producing electricity.

I appeal to each and every one of you to join with us to promote this movement which works for real solutions for pollution. You can work as a Volunteer which is purely on honorarium basis but you can enjoy the green organization benefits of using an electric four wheeler from the beginning month itself without any security deposits or otherwise. Moreover anybody having a passion to work for a healthy green environment can also become Area Managers or Area Secretaries with very high salaries and that too without any age restrictions and high qualifications but instead having a real dedication to work for a clean unpolluted environment around us. You can also opt for part time jobs as fully work from home with the same benefits and policies.

As air pollution is a universal disaster spreading across borders, we have plenty of job opportunities from freshers to retired people and the only qualification they need is the real commitment and dedication to work for different solutions that reduce pollution. No previous experience is needed for any of these posts because we give extensive training related to this project. We have transparent simple procedures for appointments where you can visit our website and send applications for these jobs with a resume and latest photograph.

I humbly request each and everyone of you belonging to all walks of life irrespective of caste, creed or religion, poor or rich, educated or uneducated to join our Green Evangelisation movement for promoting solutions for pollution to the maximum.

EXECUTIVE DIRECTOR
GREEN EVANGALISATION MOVEMENT



JOSE GEORGE THOONKUZHY
PRESIDENT

Parish - St Antony's church,
Kanjirappally, Kerala - 686508

Millions losing life and billions suffering due to air pollution is shocking

TEAM GREEN



JOSE GEORGE

All of us belong to Kanjirappally, a small town of Kerala in Kottayam district but we as Kanjirappally Achayans believe in helping and supporting others in time of need especially for the poor and the disabled. Moreover my past was a bit different from the other members of the Team who are associated with Jesus Youth Movement

I was really late to understand the fruitfulness of that movement and really enjoyed my young age with political and other cultural activities which were not satisfying to spiritual life.

Even though late, I am compensating for the lost days of my past by dedicating the rest of my life to concentrate on spiritual as well as social activities, especially Green Evangelisation Movement, an organization which really promotes different solutions for pollution. Myself was really attracted by the activities of this movement where it was concentrating more on practical solutions to reduce pollution rather than mere awareness programs.

Moreover, we can find thousands of organizations which are concentrating on helping the community after they have fallen ill but I have not found anybody who really works to prevent such diseases from happening. This is where GEM makes a difference and I am fully motivated to lead this green movement with full dedication and commitment to spread the message of solutions for pollution.

Man-made activities have polluted and contaminated our precious environment which God the Almighty has given us to lead a healthy, happy life on this planet. But I am really shocked to know that air pollution has become such a devastating and terrible nightmare that it is killing millions of people annually and also the reason for billions being seriously affected with chronic respiratory and many other diseases as a life time illness.

I am fully confident that my involvement in GEM will motivate people to make a change in the present polluted ways of easy living and make a sudden change in the life styles of common man, so as to save the environment as a whole and also increase the healthy life span of human beings which shoots up the productivity of individuals and thereby leading to a much developed society.

**PRESIDENT
GREEN EVANGALISATION MOVEMENT**



MOLY MATHEW PULICKAL
VICE PRESIDENT

Parish - St Thomas Church,
Kanjirappally, Kerala - 686508

Dedicating my life for a healthy green environment

TEAM GREEN



MOLLY MATHEW

I became a Jesus Youth Volunteer in its beginning stages itself which means for the last 35 years I am fully dedicated to spiritual activities as well as spreading care and concern for the poor especially those suffering from many serious illnesses. Actually by associating with this Green movement I could understand the real cause for most of the diseases and I am so eager to work for that vital reason because I strongly believe that prevention is always better than cure.

I am so much entertained and feel blessed to promote this movement that protects God's own nature from the most polluted environment around us and thereby saving the universe as a whole. Air pollution is leading to universal disasters as we are going through the real tough times ever experienced in our life. We are knowingly or unknowingly inviting pollution from all sides mainly carbon emissions by the excessive use of fossil fuels that leads to climate changes and pathetically affecting the healthy life span of human beings.

GEM's primary goal is to address the pressing issues of air pollution resulting in climate changes by fostering a sense of responsibility towards our environment. We work tirelessly to educate the public about the adverse effects of poisonous carbon emissions on to our planet and thereby promote cleaner, sustainable alternatives. As a member of the GEM family, I am fully committed to the principles and objectives of our organization and I firmly believe in the power of community action and the positive impact we can have on society through our various charitable initiatives.

This horrendous calamity has prompted me to head this Green Evangelisation movement, which I feel is the real need of the day. I am humbly dedicating myself to save the earth as a whole by implementing sustainable renewable energy alternatives that reduce pollution in different sectors, especially air pollution, a real killer.

It's really a disgrace for us to know that we have the most polluted capital city in the world and most of the top polluted cities in the world too. I hope and pray that this Green Movement will make a drastic change to the current situation and I welcome everyone to join hands with us to fight against the greatest disaster of mankind, more than any natural calamity or war which is air pollution, a universal disaster.

VICE PRESIDENT
GREEN EVANGALISATION MOVEMENT



SHINY JOSE
JOINT SECRETARY
Parish – St Antony’s Church,
Kanjirappally, Kerala – 686508

An opportunity to save the life’s of people is fantastic

TEAM GREEN



My association with Jesus Youth from my childhood days have given me the spiritual confidence to dedicate the rest of my life to serve and care the huge number of people suffering from disasters caused mainly out of air pollution. I really feel that air pollution is the greatest disaster the world is facing at present.

This reality has tempted me to highlight the alternative solutions for reducing the reasons of air pollution by associating with Green Evangelization Movement (GEM), a Non profit Organization dedicated to create awareness as well as promoting sustainable alternatives to reduce pollution caused mainly by the excessive use of fossil fuels.

Virtually everything you do in your daily life is an opportunity to practice sustainable living, including the way you get around, the charities you support, how you eat, what you eat, how much garbage you create, mode of transport, unnecessary traveling, making sure your home isn't overusing water, energy and so much more. It means striving to create less waste, prioritises the use of renewable resources, minimal consumption and the practice of making sure we don't deplete the earth's natural resources while maintaining a strong economy for our future generations.

Sustainable living is all about making healthier choices for our planet and the people who live here. It's easy to start leading a more sustainable lifestyle right now because sustainability is important to everything we do and we've built a unique expertise on this most fundamental requirement to promote several fruitful ways of implementing solutions for pollution.

Nature has a powerful way of teaching us wisdom and healing us but our planet is also truthful about its consequences. Accountability is a part of humanity, and our actions have an impact on living things. The more knowledge we have, the better choices we make in our actions. So let's join together to gain maximum understanding about the real disasters the world is facing at present and push for maximum solutions to reduce pollution.

JOINT SECRETARY
GREEN EVANGALISATION MOVEMENT



PROMOTING GREEN CAFE WITH CHARGING STATIONS



CHANGING
CAR CHARGING
CHALLENGES

SOLUTION FOR
POLLUTION
BEGINS HERE



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