**Climate Change and Global Warming, Past and Future Causes and Effects**

By Citizen Correspondent [Russell Wyllie](file:///D%3A%5CETEXTS%5Cnode%5C7769.htm)

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**Reader Rating:**

Climate change and global warming is caused by a combination of events- natural weather cycles, industrial pollution and commodities containing toxins and pollutants used by humans and destruction of rainforests.

Governments are finally realising that communities must reduce pollution ,and industries reduce production of toxic products that contain lead or zinc, poisonous plastics and aerosol cans. American and Chinese industry produce about 50% of the world's total pollution.Here is some evidence:

**El Nino**

The infamous 'El Nino' warm water shift from the west to east of the equator has occured more often since 1980 than previous records show, and it triggers massive floods. The current El Nino event is expected to hit fully in 2009/2010 and could mean more hurricanes forming in the Gulf of Mexico and off the coastlines of Asia where cyclone events occur. El Nino is associated with warm water weather events, and another weather phenomena called El Nina is associated with cold water wether events, which has been the dominant factor of weather events in 2007/2008. Countries like Australia will typically see drought conditions last until the El Nino event dies away.

In May to September of 2007/2008, parts of Britain had the most amounts of rain,floods and high winds ever recorded, and London's flood barriers were just one inch away from being breached. Floods in the last few years have plagued South American and European countries and islands, killing tens of thousands of people, destroying villages and towns, farmland and coastal areas used for fishing by some native communities like in Alaska for instance, where a hundred villages have had to move inland because of rising sea levels flooding those areas. Floods ruined lush farmland and crops,forcing up prices of grains and crops by 70%.The poorest in the world have been most affected, facing starvation,floods,destroyed villages and homes. Ice at the Antarctic if cracking, huge glaciers tens of miles long and thick breaking off into the sea and float Northwards, melting and causing sea levels to rise.

**Global Warming and it's Effects on Rainforests**

Rainforests provide 50% oxygen to our world and are the carbon pollution filtration system for our planet. Rainforests across South America are being chopped down on a massive scale, to make way for soys plantations,cattle grazing and biofuels. Increases of temperature worldwide means the release of carbons and toxins like methane into the air. In particular, Siberian lakes and land under permafrost contain massive amounts of methane. If the permafrost melts, methane released from Siberian lakes would be ten times more than is currently released. Ice at the north Pole draw in warm water currents from the equator, but if little ice is left, the currents could stop, as happened 200 million years ago, killing much of life in the seas and in return gases released from stagnant seas poisoned the air.

By the year 2050, the world's population will increase to just under 10 billion people. Currently 6.5 Billion people is a lot for the world to cope with, in terms of crops and fuel needs, and the amount of industry required, which will increase by over 50% in a few decades. That will mean 50% more pollution. That's a lot of carbon for the rainforests to deal with, and by 2050 those rainforests being currently ripped down will no longer be there to process the carbon.

Whether you accept human activity accelerates or amplifies climate change, or if you think it's all a natural process, the fact remains that villages, towns, coastlines, wildlife habitat and the air that we breathe are all being greatly affected by climate change.

I added 30 videos on climate change issues contained in my playlist Climate Change/Wildlife Threats which will explain this furthur.

Hopefully if you were ever a sceptic of climate change you will be educated a bit into the evidence, the effects, and tragic destruction of life and habitat that climate change is causing.

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