SCIENTIFIC PROOFS ON EXISTANCE OF GLOBAL WARMING

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Subject

19th September, 2003

 Threats imposed by global warming have led to in-depth research by scientist in attempts to mitigate the whole menace. During this process of interaction of ideas by environmentalists, climatologists, meteorologists, geologist among other scientists, there has emerged a division among these groups. Recently, the division has apparently been depicted with one of the alliance dismissing existence of global warming as a threat presently or in the future. The other portion of the divide is holding on an opinion that global warming is a gigantic monster-like threat capable of wiping out the entire living organisms on the earth. The group supporting existence of global warming is basing its claims on past worrying trends in climatic patterns, which includes intense drought, frequent El-Nino and La-Nina, adverse hurricanes, reported cases of heat waves, repeated tornadoes among others and evidences of heightening in anthropogenic activities.[[1]](#footnote-1) Therefore, it is unsubstantiated to dismiss facts supporting global warming since there are scientific proofs supporting its existence both in the past, present and in the future.
 Influencers of global warming are the presence of carbon (IV) oxide, carbon (II) oxide, nitrogen (II) oxide, nitrogen (IV) oxide, sulphur (IV) oxide, chlorofluorocarbons, and water vapor also known as greenhouse gases in the atmosphere. Explanation behind this phenomenon is the accumulation of both terrestrial and solar radiation from the earth and sun respectively in the atmosphere. As the solar energy travels across the atmosphere, oxides of carbon and nitrogen absorb it resulting to increased temperatures.[[2]](#footnote-2) Likewise, the reflected terrestrial radiation from the earth's surface gets absorbed and in this case water vapor adds to the absorbers. On the other hand, chlorofluorocarbons engineer the depletion of the ozone layer, which acts as a moderator to the quantity of solar energy that reaches the earth's surface. When the ozone layer is worn out, it means that more radiation reaches the earth, which ultimately causes a rise in temperature hence global warming.[[3]](#footnote-3) Nonetheless, irrefutable scientific researches give evidences of the greenhouse gases increasing in concentrations year by year because their main sources are the anthropogenic activities of human beings on the earth.
 Array of anthropogenic involvement of human beings includes agriculture, industrialization, urbanization, deforestation, transportation, and mining. All the named ventures are part of the day to day development across the globe and are unavoidable since they are regarded as current civilization. Markedly, these activities contribute eighty percent of the greenhouse gases in the atmosphere. Statistical analysis shows that since the twentieth century, human beings have been doubling on their anthropogenic activities every decade. Because of this, there has been advancement in the effect of global warming. A scientific proof show that energy is needed to compel most of the processes in this civilization, and this energy is eighty-five percent sourced from fossil fuels.[[4]](#footnote-4) During the combustion of this fuel source, greenhouse gases are inevitable thereby there is no way global warming is far from ending as long as better alternatives and cleaner energy sources are not exploited.
 Evidently, between 1970 and 1985 and 2008 and 2009 severe episodes of drought was experienced in trans-Saharan Africa.[[5]](#footnote-5) During the strike of this calamity several people and animals died, temperatures were extreme, and large portions of forest cover disappeared. In 1936, the worst ever experienced heat wave struck North America, and it affected several states. The temperatures rose as high as 1000C killing thousands of residents. Between 1997 and 1998, South America experienced El-Nino, La-Nina and hurricanes, which scientific evidences linked to the oscillation of Pacific Ocean’s temperatures.[[6]](#footnote-6) All these abnormalities in the climatic patterns recorded over time are indisputable evidences of climate change, which is closely associated to greenhouse gases and global warming. Therefore, scientifically, proofs of global warming exist and are there to stay.
 To wrap it up, global warming is scientifically engineered by greenhouse gases, which are produced on a daily basis by anthropogenic engagement of human beings. Agriculture, industrialization, urbanization, deforestation, transportation, and mining lead in the production of the gases and these activities have been in existence for centuries. In years to come, there is a predicament that humans will advance their anthropogenic activities though there are plans to harmonize them through use of cleaner energy sources to avoid increment of greenhouse gases in the atmosphere. However, currently, facts for global warming are not groundless.

Bibliography

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1. . Seymour Simon, *Global Warming* (New York: Collins, 2010), 2-6. [↑](#footnote-ref-1)
2. . Brian Black and Gary J. Weisel, *Global Warming* (Santa Barbara, Calif: Greenwood, 2010), 12-14.

 [↑](#footnote-ref-2)
3. . Sushil Dash, *Climate Change: An Indian Perspective* (New Delhi: Cambridge University Press, India, 2007), 10. [↑](#footnote-ref-3)
4. . Simon, *Global Warming*, 17-23. [↑](#footnote-ref-4)
5. . Ibid., 29-31. [↑](#footnote-ref-5)
6. . Dash, *Climate Change: An Indian Perspective*, 166-168.

 [↑](#footnote-ref-6)