

## **Current worldwide. Affairs on Climate Change**

Nowadays climate is subjected to many changes. Not only does it differ from place to place, but it also varies with time. If we go back in time through millions of years that constitute geologic time, we will see how the climate record becomes very variable.

The term climate change can be explained by looking into the two words separately - climate and change. According to many scientists, climate is used to explain the condition of the weather of earth that lasts for long periods of time. What is more, the term also a change in climate of the Earth. Hence, climate change is the undesirable change in a particular climatical situation of the earth due to several human activities.

Many human activities such as the increased emission of green gases from old vehicles, industries etc., which cause the global warming are responsible for climate changes. Other factors that contribute to these dramatic changes are unmanaged urbanization, industrialization etc.

The effects of climate changes are inevitable. They are extremely harmful to our environment and it is high time that certain actions were taken. For minimizing the effect of climate changes there should be taken certain actions such as afforestation, managed industrialization, urbanization and planned development. These are crucial for achieving the goal. Furthermore, the use of green energy helps for minimizing the climate change. Last but not least, in order to control the increasing change in climate; sustainable development and use of clean energy is vital.

During the last decade, our planet has seen many climate shifts and changes such as drastic temperature, precipitation and seasonal sequences. However, concerns about the problem and attempts to prevent a climate catastrophe on the part of more reasonable groups of people have been witnessed only during the last two decades.

Global warming is direct result of a dramatic climate change due to human activity.

Unfortunately, many facts regarding these phenomena are often selected or swayed by political and economical concerns. To scientifically understand these occurrences without bias, one must first define the terms: Climate change refers to any alteration in the earth's general climate, usually resulting in changes of temperature and weather. Climate change can be naturally occurring or affected by human activity. Global warming essentially refers to an ongoing rise in temperature in the earth's atmosphere, a result of certain climate changes. Climate change was first seriously studied in the late 1800s, though theories had evolved among the scientific community before then. It is studied by observing weather patterns, measuring temperatures and solar radiation, observing Arctic ice patterns and taking glacier samples. Global warming was a phenomenon suspected during the past two centuries, though the term was not officially coined until the late 1960s. Climate change has affected the earth for millions of years, and can be

influenced by many factors. Geographic changes (such as earthquakes or eruptions), solar radiation, human activity and ocean currents can all cause climate change. Slight changes in the earth's orbit can also affect climate. For example, changes in the earth's volcanic activity, ocean tides and other variables are thought to have caused the Little Ice Age between 1550 and 1850. Climate change typically happens slowly, usually over hundreds of years; even the fastest climate changes still take several decades. Global warming is a direct result of a dramatic climate change due to human activity.