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## Impact of Climate Change on Water Resources

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### ABSTRACT

*Climate change may refer to a change in average weather conditions, or in the time variation of weather around longer term average conditions. Climate change has two aspect firstly biotic (Anthropogenic) and secondly natural. Man has no control over natural aspect such as solar radiation, plate tectonics and volcanic eruptions etc. But certain anthropogenic activity (specially burning of biofuels petroleum, coal etc.) leading to global warming and climate change is of great concern. Because in future it is going to affect are water resources. This paper kind to highlight some of impact of climate change on water resources.*

Climate change is a change in the statistical distribution of weather patterns when that change lasts for an extended period of time (i.e., decades to millions of years). Climate change may refer to a change in average weather conditions, or in the time variation of weather around longer-term average conditions (i.e., more or fewer extreme weather events). Climate change is caused by factors such as biotic processes, variations in solar radiation received by Earth, plate tectonics and volcanic eruptions. Certain human activities have also been identified as significant causes of recent climate change, often referred to as "global warming". Scientists actively work to understand

past and future climate by using observations and theoretical models. A climate record - extending deep into the Earth's past - has been assembled, and continues to be built up, based on geological evidence from borehole temperature profiles, cores removed from deep accumulations of ice, floral and faunal records, glacial and periglacial processes, stable isotope and other analyses of sediment layers and records of past sea levels. More recent data are provided by the instrumental record. General circulation models, based on the physical sciences are often used in theoretical approaches to match past climate data, make future projections, and link causes and effects in