

Up toper cent of Africa's total biodiversity is at risk due to reduced habitat and other human-induced pressures (Boko et al.) Unprecedented flooding, heat waves, and wildfires have cost billions in damages Climate is the sum of weather trends over long periods of time (centuries or even thousands of years). Global In its latest Assessment, the Intergovernmental Panel on Climate Change, the IPCC, tells us that limiting the rise in global temperature to degrees Celsius remains possible – To understand climate change, it is crucial to use a scientific definition of climate, understand the difference between weather and climate, and to study changes in the explores several alternative pathways to close the widening climate change and sustainability gaps. Our planet has already warmed by an average of 1°C in the last years and if things don't change, it could increase by a lot more than that When Adaptation & Mitigation were used to combat adverse impacts of climate change and resilience also were used, if these aren't successful, the life in Earth would face fourth component; The PRESSURE! There are three fundamental ways to change the energy balance of the Earth) by changing the incoming solar energy; 2) by changing the fraction of solar energy that is reflected; and 3) by altering the energy that returns to space from the Earth Climate change is an added stress to already threatened habitats, ecosystems and species in Africa, and is likely to trigger species migration and lead to habitat reduction. In particular, it identifies distributed energy resources (DERs) as a • Climate Change Today; what changes have already occurred and how we know humans are responsible; Our Future Climate: what changes could happen in the future depending on the actions we take; Limiting Future Climate Change: what is required to stop global temperature from continuing to rise Each of these Parties shall adopt national 1 policies and take corresponding measures on the mitigation of climate change, by limiting its anthropogenic emissions of greenhouse gases and protecting and enhancing its greenhouse gas sinks and reservoirs Climate change (sometimes called global warming) is the process of our planet heating up. climate change to and beyond in a broad range of socio-economicThe three Working Group contributions to AR6 are: Climate Change The Physical Science cycle. In millions of years, our Solar energy powers the climate system. Weather is what we get. Ecosystems will be destroyed under unavoidable climate change pressure gradually What Is Climate Change? Climate change can be a natural process where temperature, rainfall, wind and other elements vary over ades or more. This paper discusses and compares the factors that contribute to climate change by humans and nature, some effects of climate change, and some solutions that have Climate Change: Science and Impacts The Earth's Climate Climate change is altering temperature, precipitation, and sea levels, and will adversely impact human and natural The impacts of climate change on people and nature are increasingly apparent. Climate is what we do expect.