
13 CLIMATE ACTION – Lilli Wastian

The goal is to take urgent action to combat climate change and its impacts.

Climate change is one of the most important global challenges of our time, with negative effects on our planet, ecosystems, and human population. To make it better, individuals and organizations must take action to reduce their carbon footprint.

One project that is working towards achieving the 13th SDG is the Carbon Offsetting and Reduction Scheme for International Aviation (CORSIA). CORSIA is a global system that aims to reduce the carbon emissions from international flights by reducing them through the purchase of carbon credits. Airlines participating in CORSIA will be able to offset their emissions to pre-2020 levels. CORSIA represents a significant step forward in the global effort to combat climate change and achieve the 13th SDG. By reducing carbon emissions from international aviation, CORSIA is helping to mitigate the impact of this industry on the environment and climate.

There are many reasons for climate change. Our climate is heating rapidly. The average global temperatures have increased by 1.2 degrees Celsius since 1880, particularly in the late 20th century. The concentration of atmospheric elements, contributing more than 2/3 to global warming, is at its highest level. It points out that human activities have warmed the atmosphere, ocean, and land. Due to these changes in climate, the number of weather, climate and water related disasters has increased by a factor of five over the past 50 years, causing over 2 million deaths and \$3.64 trillion in losses. In fact, progress made towards limiting global temperature increase would significantly ease the path to many other SDGs, such as those related to poverty, hunger, access to water and marine ecosystem.

Global warming brings many problems with it. For example, as soon as the temperature rises by 1.5 degrees, 70-90% of coral reefs will disappear, and if it rises by 2 degrees coral reefs die completely. One dangerous thing is that the sea level will rise 30-60 cm by 2100. It will cause many islands to sink and the people who live near the coast will have to move away. Draughts are estimated to displace 700 million people by 2030. Also, disasters rates will increase by 40%. Energy-related CO2 emissions have reached their highest level ever. It also cost around \$100 billion yearly.

My small project to stop global warming would be to identify the CO2 emission sources in our schools. Then I would plan to reduce the consumption of CO2. For example, we can use better lighting, air conditioning systems, and heaters. Also, solar power systems and renewable energy sources are a good start. I would also do recycling programs to minimize the waste.
