

Adaptation Measures

- Build your house higher or on stilts;
- Manage your water supply and practice water harvesting;
- Maintain your drainage system (Keep passage clean, no littering);
- Protect mangroves;
- Reuse, reduce and upcycle.

Mitigation Measures

- Switch to LED lights (reduce consumption);
- Turn off appliances when not in use (power generation);
- Carpool;
- Instead of driving short distances, walk or ride;
- Switch to renewable energy to reduce the amount of fossil fuels burnt (efficient technology);
- Protect our forests.



Office of Climate Change

Ministry of the Presidency
Shiv Chanderpaul Drive
Bourda
Georgetown

Phone: 592-223-0975, 592-223-5231, 592-223-0917

Website: <https://climatechange.gov.gy>

E-mail: info.occ@motp.gov.gy

Facebook: Office of Climate Change-Guyana

Instagram: occguyana

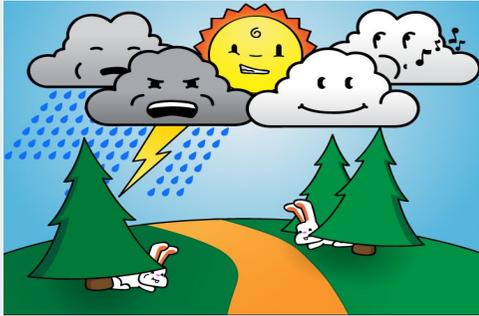
Twitter: occguyana

Climate Change



What is Climate Change?

Climate Change refers to the unpredictable long term change of the weather. This can be associated with an increase in temperature.



What is Weather?

Weather may be defined as the condition of the atmosphere over a short period of time (day to day changes).

What is Climate?

Climate may be defined as the condition of the atmosphere over a long period of time (thirty year period).

Global Warming

Global Warming is the increase of the earth's temperature due to the excess greenhouse gases.

Causes of Climate Change

The main cause of the current climate trend is human expansion of the "greenhouse effect" and increased warming of the earth by human activities.

These activities are releasing large amounts of greenhouse gases, (Carbon Dioxide, Nitrous Oxide and Methane) into the atmosphere .

The Greenhouse Effect

The greenhouse effect is a natural process that keeps the Earth warm, so we can survive. Too much greenhouse gases released into the atmosphere leads to global warming. The most commonly discussed greenhouses gases are: Carbon Dioxide, Methane, Nitrous Oxide.

Greenhouse Gases (GHGs)

Greenhouse gases trap some of the sun's energy, the absorbed energy warms the atmosphere and the surface of the Earth. Below are three of the main greenhouse gases:

- Carbon Dioxide:** is released into the atmosphere by the burning of fossil fuels e.g. (oil, gas, etc.) transportation, power generation, deforestation and degradation (mining);
- Nitrous Oxide:** emissions occur from the use of various nitrogen-based fertilizers in agricultural production e.g. Rice cultivation;
- Methane:** is emitted when organic waste decomposes in landfills as well as from livestock e.g. (pig and cow stomachs) and manure.

How will Climate Change affect Guyana?

Guyana will not be spared the effects of Climate Change. The melting glaciers will cause a rise in the sea levels and intense flooding which leads to diseases. This is a major concern for Guyana since our coastal zone will be directly affected.

What Can We Do?

Climate Change is real and it's something we cannot control. However, here are two things we can do:

1. Adapt

To adapt means to adjust oneself to different conditions, environment, etc.

2. Mitigate

To mitigate means reducing the amount of greenhouse gases emitted into the atmosphere.

