



*Conserve forest at present & the forest will save life in the future*

#### **4. WASTE MANAGEMENT**

Waste is also a contributor to the GHG emissions in Vanuatu. So, communities will have to practice 3R's (Recycle, Reduce & Reuse of wastes).

Kitchen wastes to be used as composting for Agricultural purposes to reduce the use of fertilizers but to encourage organic farming practices to help reduce GHG emissions in the Agriculture Sector.



*Kitchen Waste used as Composts*

**“Engage community people in this practice to help manage wastes”**

#### **5. AGRO-FORESTRY**

Agro-forestry is a practice of inter-cropping crops in between trees. In Vanuatu a common agricultural practice is slash & burn and cutting down of trees. Ideally, when a tree is cut down and as the tree decomposed or burned, the Carbon that is sink in the wood is again emitted to the atmosphere. Practicing agro-forestry is not only for carbon benefits, but for other significant impacts that this had on agriculture. Therefore, Agro-forestry practices will save the planet.



*An Agroforestry Practice in Vanuatu*

#### **6. GRAZING LIVESTOCKS UNDER TREES**

Animal should be raised and grazed under trees, given the trees will absorb emissions given out from ruminant livestock (Cattle, Pigs, Goat, Horses).

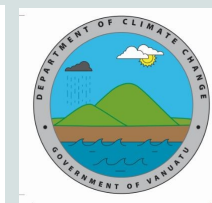
#### **7. USE OF EFFICIENT TRANSPORTS**

Use bicycles to move around and walk in closer destinations to help save the environment.



*An image of bicycle riding in Vanuatu.*

# **“A COMMUNITY PRACTICE THAT CONTRIBUTES TO MITIGATING GREENHOUSE GAS EMISSION”**



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**DOCC**

**“Working Together for a Resilient Vanuatu”**

**DEFINITIONS:**

The common terms in climate change mitigation are explained below:

**Climate Change:**

Changes in the earth’s climate, generally referring to those due to human activities that can also include more intense extreme events such as droughts, floods, and tropical cyclones, and changes in average rainfall patterns. Climate change due to human activity has happened and is expected to continue much more quickly than natural changes in the climate, due to the unprecedented rate of increase in greenhouse gasses.

**Greenhouse gas Emissions:**

The atmospheric gases responsible for causing global warming and climate change. The major GHGs are carbon dioxide (CO2), methane (CH4) and nitrous oxide (N2O). Less prevalent but very powerful greenhouse gases are hydro fluorocarbons (HFCs), per fluorocarbons (PFCs) and sulphur hexafluoride (SF6).

**Climate Change Mitigation:**

A change of climate which is attributed directly or indirectly to human activity that alters the composition of the global atmosphere and which is in addition to natural climate variability observed over comparable time periods.

Source: [https://www.nab.vu/glossary/letter\\_](https://www.nab.vu/glossary/letter_)

**IMPORTANCE OF MITIGATING GHG EMISSION**

GHG emission reduction is an integral part of the overall Climate Change Concerns. As per the Paris Agreement where it aims at keeping the global temperature rise well below 2 degrees C and as close as possible to 1.5 Degree C. Added to this; Vanuatu is also a signatory to the Paris Agreement; so enable some practices to curb GHG emission to meet the limit of temperature well below 2 Degree Celsius.

However, community practices to curb GHG emission is also a significant practice to help enable the safer and livable environment in the future. Below outlines and defines some of the practice to help reduce GHG emission in the community levels:

**1. RENEWABLE ENERGY:**

Electrify your homes with Solar Energy; Solar Lantern's, Solar Panels + Battery introducing this at home will reduce the household dependency on Benzene/Mazut which is a product contributed to GHG emission. (For more information contact Department of Energy: Landline: (678) 25201 or E-mail: [doe@vanuatu.gov.vu](mailto:doe@vanuatu.gov.vu))



*Image of a solar panel used as renewable energy*

**2. ENERGY EFFICIENCY**

Use Energy Efficient Appliances that consumes less power. Ideally, appliances with high wattage will consume more power. Given that it consumes more power, more cost is needed and if using petroleum based products to power the appliances. This means more fuel is needed and will lead to more Emission. Rather use energy efficient products, for more information contact Department of Energy Landline: (678) 25201 or E-mail: [doe@vanuatu.gov.vu](mailto:doe@vanuatu.gov.vu)). Product Labelling’s, Efficient Lighting Bulbs, EE Cooking Stoves, etc.



*Image of an Energy Efficient Cooking Stove*

**3. FOREST RESTORATION & CONSERVATION**

Forest is considered being a natural carbon stock or net sink. It helps sink in the Carbon Dioxide emitted to the atmosphere. These involves practices such as tree planting and forest conservation.



This is not only for the net carbon sink but at the same time provides resources to sustain living. Educate your community leaders, youths and school children to practice tree replanting and to care for the environment.