

How Climate Change impacts us in the PACIFIC



CLIMATE CHANGE AFFECTS:

- | | |
|--------------------|------------------------------------|
| 1 Our fresh water, | 4 Our Biodiversity, |
| 2 Our Agriculture, | 5 Our Health, |
| 3 Our Forests, | 6 Our Coastal and Marine Resources |
| | 7 and our Economy |

Why we should be concerned?

Our islands may be Paradise now, but every year the adverse impacts of climate change increase. If urgent steps are not taken to decrease 'Global Warming' soon, we may lose our island way of life.



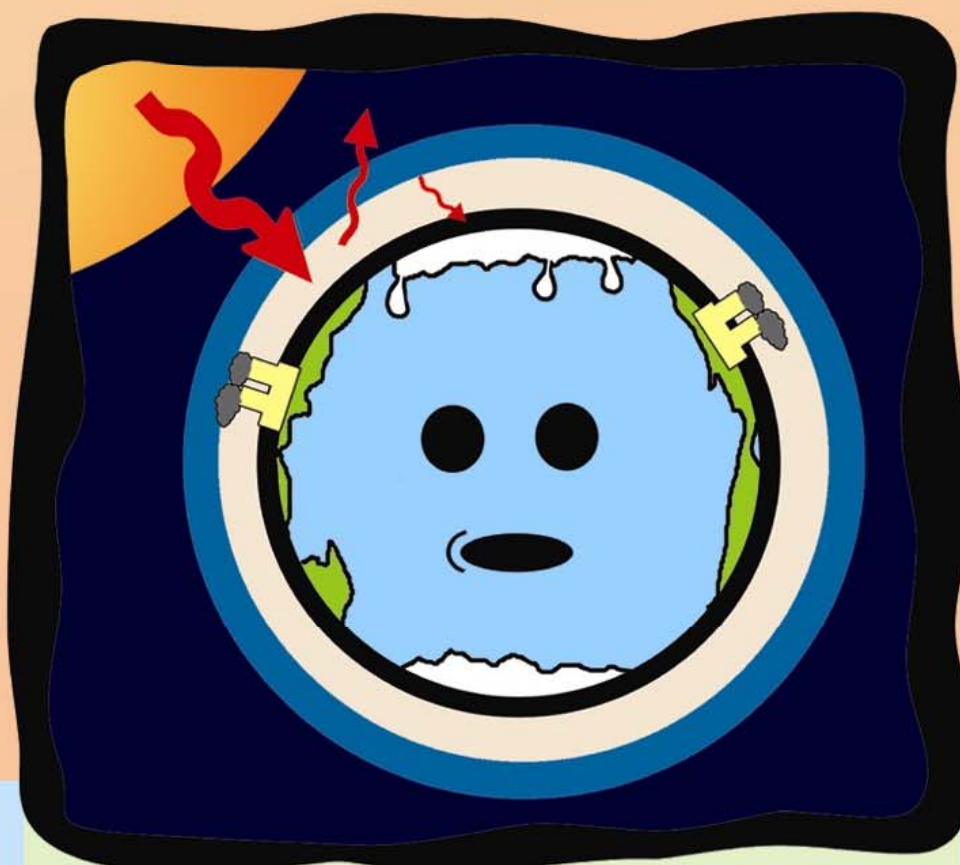
Climate Change

world problem and
Pacific Islands
catastrophe!

What causes it?



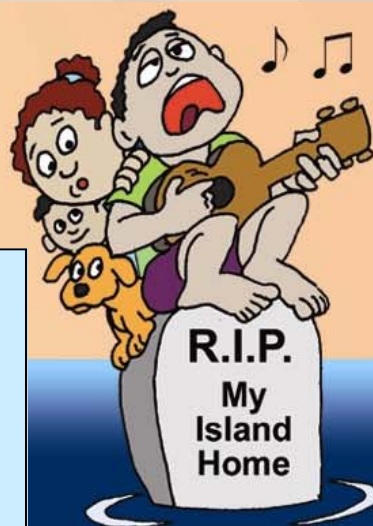
"Our earth's climate is driven by energy from the sun, most of which is trapped by a 'blanket' of natural green-house gases like carbon dioxide, etc."



"Over the years, industrial nations developed, our demand for fossil fuel energy increased; thickening the green-house gas 'blanket' and heating up the atmosphere."



"This has caused the ice caps to melt, sea temperatures as well as sea levels to rise leading to changes in global climate increasing natural disasters."



Let me sing you a song
I've never sung before
About a world gone mad
In its lust for more
Their demand for energy
Made green-house gases galore
Thickening the atmospheric 'blanket'
And making temperatures soar

As the ice caps melted
Climate changes men saw
Which brought disasters
Because they had broken nature's law
Then the waters rose up
And covered the shores
Island homes became swamped
And were seen no more

Now Pacific people live on boats
Using sails, poles and oars
Looking for a new home
Like old grandfather Noah.



gtz



Climate Change and how Communities need to respond to it in the PACIFIC



What we can do:

Our fresh water,

Mend leaky water pipes and taps.
Re-cycle water when watering gardens.
Turn off taps when not in use.
Store water for emergencies.
Don't pollute rivers and streams.

Our Agriculture,

Change planting times to fit with the weather.
Plant more than one type of crop.
Use natural compost, not chemical fertilizers.

Our Forests,

Replant natural forests.
Plant a tree (local species).
Show support for forest conservation.

Our Biodiversity,

Support and respect protected areas.
Keep protected areas clean.

Our Health,

Clean up yards and destroy mosquito breeding grounds.
Boil drinking water.
Exercise and eat a healthy diet.

Our Coastal and Marine Resources

Protect coral reefs.
Plant mangrove and coconut trees.
Do not build too close to coastline.

Our Economy

Encourage Eco Tourism ventures.
Prevent over exploitation of natural resources.
Use renewable energy.

Our Pacific needs us!

Let's join together to combat the effects of "Global Warming" the cause of climate change, before it destroys our island paradise and our way of life forever!

CLIMATE CHANGE

gtz

Ol Impak Blong Klaemet Jenis

Climate Change Impacts

Health Impacts



Heat-related deaths
Infectious diseases
Air quality-respiratory illnesses



Temperature



Precipitation



Sea Level Rise

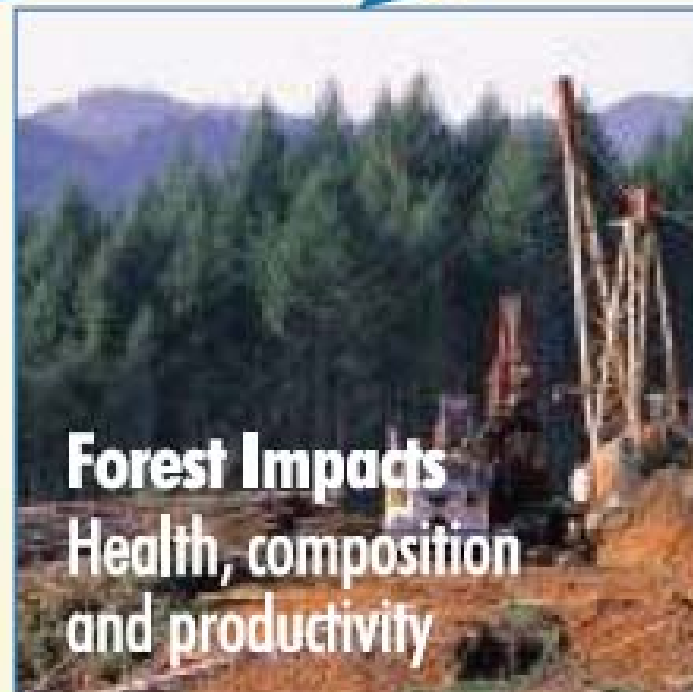


Wildlife

Loss of diversity
Species range shifts

Agriculture

Crop yields
Irrigation demand
Pest management



Forest Impacts

Health, composition
and productivity

Water Resources

Changes in precipitation,
water quality, and water
supply



Coastal Areas

Erosion and inundation
of coastal lands
Cost of protecting
vulnerable lands



gtz



SPC-GTZ

Adaptation to Climate Change in the Pacific Islands Region

The Greenhouse Effect

Some solar radiation is reflected by the earth and the atmosphere

Some of the infrared radiation passes through the atmosphere. Some is absorbed and re-emitted in all directions by greenhouse gas molecules. The effect of this is to warm the earth's surface and the lower atmosphere.

Most radiation is absorbed by the earth's surface and warms it

Atmosphere

Earth's Surface

Infrared radiation is emitted by the earth's surface

