

Climate Change Resource Kit

Girls' Brigade International

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Preface

- The Climate Change is a global issue that affect all of us. The Climate Change Resources Kit are free resources for Girls' Brigade in all over the world, with brief information as the foundation of the topic. Some website and further studies listed as reference, that facilitate the further understanding of the topic.
- Dange Barziring, an officer and coordinator of Training and Awareness of Girls' Brigade from Papua New Guinea, was sent to *UNCSW66 She Speaks Event* to share how her country is affected by the climate change.
- Let's take action to protect our living home. You may also share your work with us.

Section 1: Understanding Climate Change

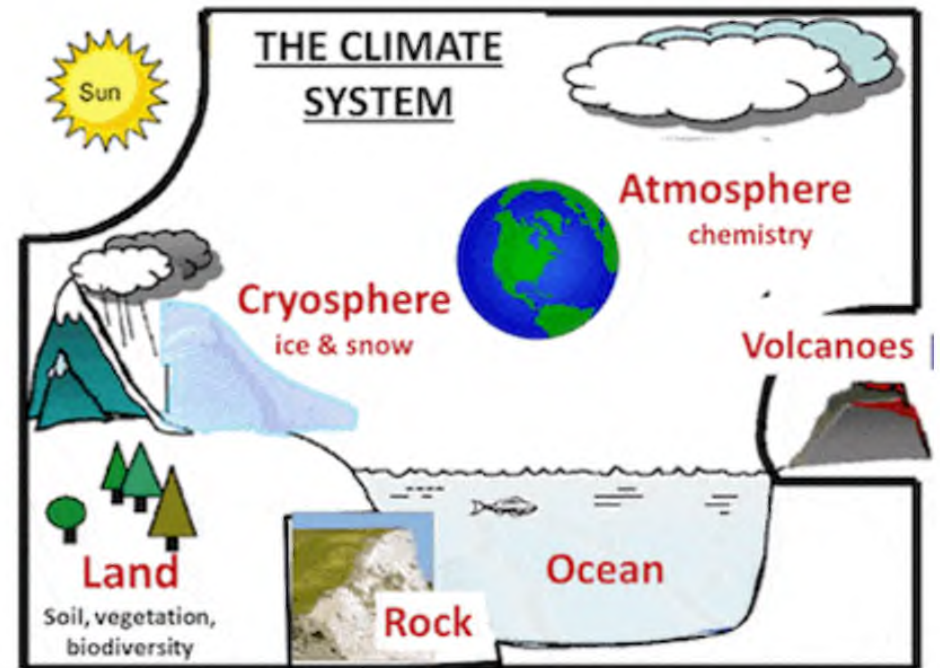
Climate Change

- Significance Changes in global climate
- The Climate System is closely connected to each other

Can you quote some of the example of the climate changes?



<https://warmheartworldwide.org/what-is-climate-change/>



(Source: US Environmental Protection Agency)



Climate Changes:

- Stronger Typhoons owing to rising temperature of the Pacific typhoons
- Rising Temperature melts Antarctica ice makes sea level rise
- Extreme climate such as longer hot summer, and more Typhoons

Evidence of Global warming and climate changes

- [Visit the website of NASA to check the vital sign of our world](https://climate.nasa.gov/interactives/climate-time-machine)
- <https://climate.nasa.gov/interactives/climate-time-machine>



Climate Time Machine

This series of visualizations shows how some of Earth's key climate indicators are changing over time.

SELECT A TOPIC



Sea Ice



Sea Level



Carbon Dioxide



Global Temperature



Ice Sheets



Ocean Warming

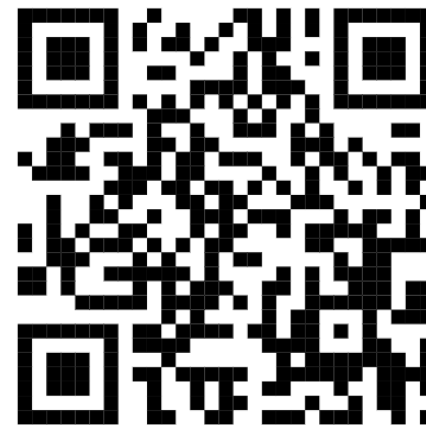
More information on United Nations website


<https://www.un.org>



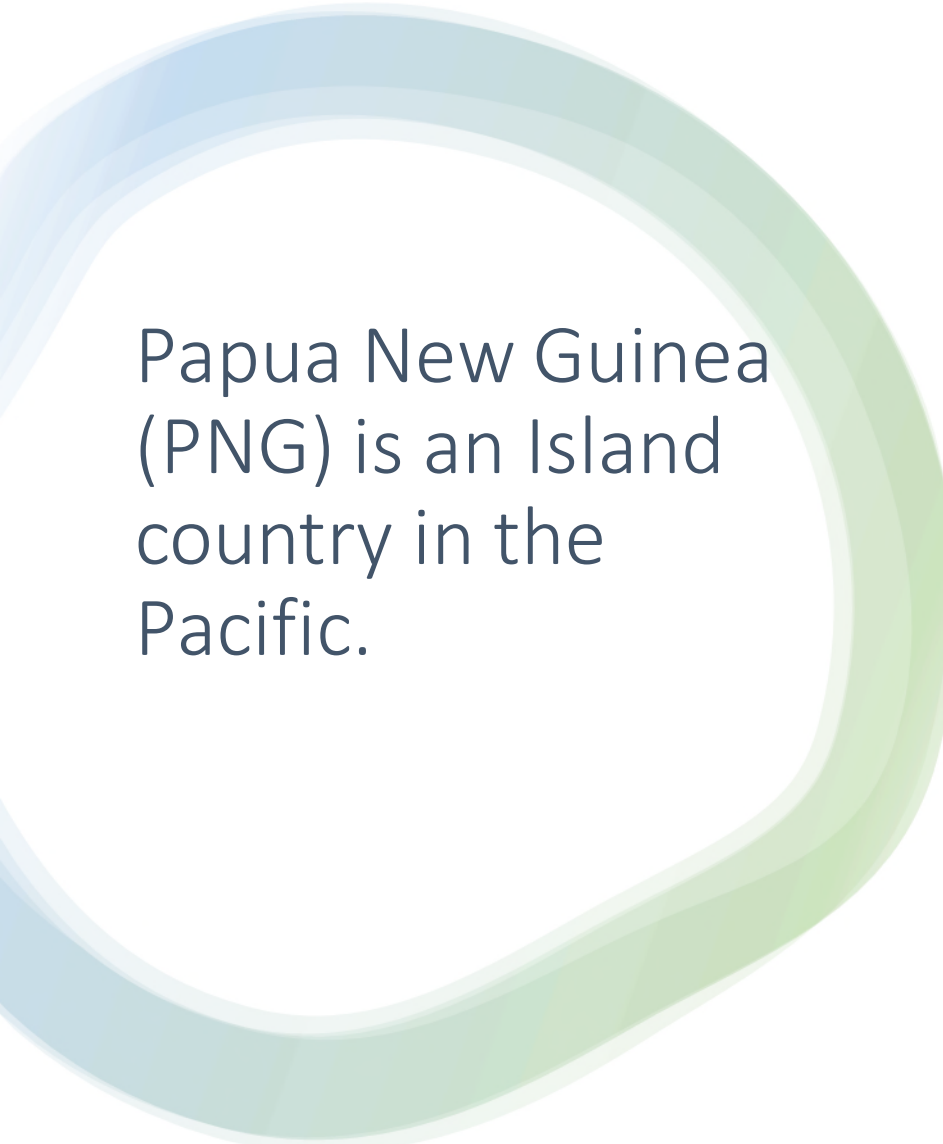
1. Fast Facts on Climate Change

2. Fast Facts on Temperature Rise





Section 2 The story of Papua New Guinea



Papua New Guinea (PNG) is an Island country in the Pacific.

- North of Australia, an island nation.
- PNG has about 800 plus different languages, vibrant traditional cultures and environmentally it is estimated that PNG harbors more than 5% of the world's biodiversity within some of the world's most biological diverse ecosystems.
- Many of these organisms are endemic to PNG or the island of New Guinea.
- PNG consists of the mainland and some 600 offshore islands.
- PNG has only 2 types of seasons: Wet season and Dry Season
- PNG is vulnerable to floods, droughts, earthquakes, volcanic activities, tsunamis, and sea-level rise. ***Some of these are expected to increase in occurrence, extent and intensity due to climate change.***

How climate change impact ?

1. Coastal Areas/ villages : Affected by King Tides

People need to be relocated to higher grounds.

These are mostly rural communities who depend on the surrounding natural environment as a way of life.

themselves.



King tides offer clues about effects of rising sea levels (the case in Washington, 2023 Feb)



How climate change impact ?

2. With an increased temperatures → longer droughts.

- 85% of people living on agriculture, drought makes the people living more difficult ;

→ Little to no harvest. With the little that is harvested, it caters for family meals, since there are no surplus, families are unable to sell to buy other needs;

- With few rainwater, gardens become a wasteland;

- Few rain water, → affect basic hygiene and sanitation



Understand Drought and Know How to Respond

[Weather.gov](#) > [Safety](#) > [Understand Drought and Know How to Respond](#)

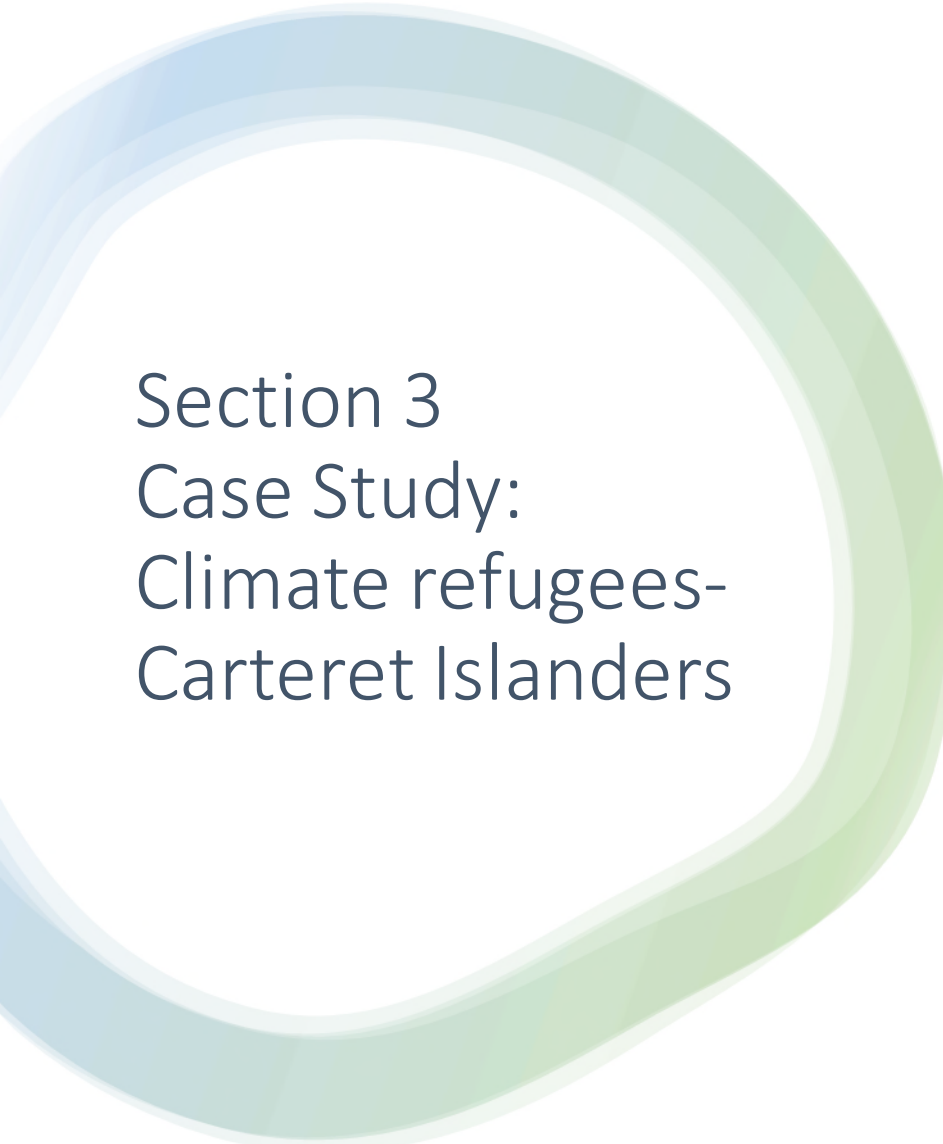


<https://www.weather.gov/safety/drought>



How girls & women lives affected by Climate Change?

- In PNG society, men are people with power and making decision, while women and girls are stewards of families, responsible for household work such as sourcing for water, childbearing and rearing
- Living is harder under the changes of climate, and girls and women need to work harder to meet the basic needs of families and households, e.g. they have to walk long distances to find fresh water.



Section 3

Case Study: Climate refugees- Carteret Islanders

- The Carteret Islands is made up of 7 atolls with the highest point of just 1.5 metres
- **Tuluun** (meaning Ocean People), the Carteret set their island home and from the sea.
- Since 1994 they have lost about 50 per cent of their land, traditional food sources have become scarce, communities also faced severe water shortages due to prolonged droughts and sea-level rising that affected their freshwater supply.
- **In 2005**, the Carteret islanders were named ***the world's first "climate refugees."***
- Increasing sea levels forced them out of their homes and they now live in resettlement camps on the outskirts of Buka Town.

Lost at sea: the race against time to save the Carteret Islands from climate change

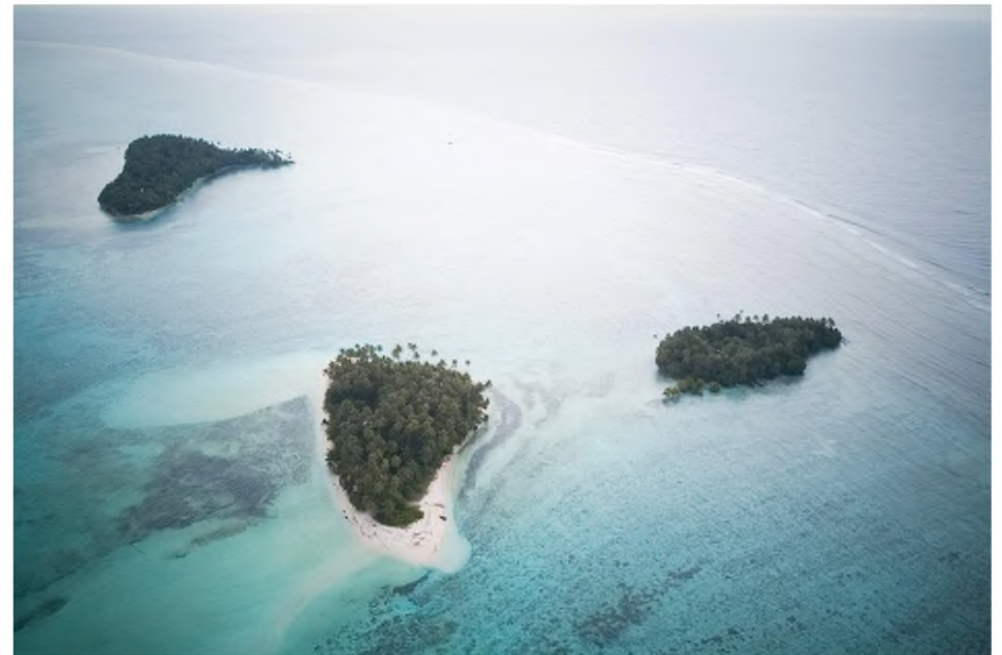
The World / Words & photographs by Darren James

Posted Sat 4 Aug 2018 at 4:10am, updated Sat 4 Aug 2018 at 4:26am

- The Carteret Islands
- https://www.abc.net.au/news/2018-08-04/the-race-against-time-to-save-the-carteret-islanders/10066958?utm_campaign=abc_news_web&utm_content=link&utm_medium=content_shared&utm_source=abc_news_web



The Girls' Brigade International



They were supposed to be underwater by now.

Section 4 : TAKE ACTION

SUSTAINABLE DEVELOPMENT GOALS



Act Now! We can help to change the world

<https://www.un.org/en/actnow/>

Daily Tips of Living



Save energy at home



Walk, bike, or take public transport



Eat more vegetables



Consider your travel



Throw away less food



Reduce, reuse, repair, recycle



Change your home's source of energy



Switch to an electric vehicle



Make your money count



Speak up

BE A FOOD HERO LIKE THE TROLLS!

#TrollsFoodHeroes



Food and Agriculture Organization of the United Nations

ACT NOW

Peter Rabbit

Be a food hero like Peter Rabbit!



ACT NOW

#PeterRabbitFoodHero



Angry Birds



ANGRY BIRDS TAKE OVER

ACT NOW



un.org/actnow

The Girls' Brigade International

Elyx and ActNow.bot



ACT NOW

JOIN ELYX IN TAKING #CLIMATEACTION



UN.ORG/ACTNOW



Free Apps to download for tracking

Climate actions around the world
10789847



Help Take Care of Our Planet!

Every one of us
can make a difference.

Our choices matter.
Our actions count.

ACT NOW!



AWORLD in support of ActNow 4+

Live Sustainably
AWORLD Sri SB
Designed for iPhone

★★★★★ 4.9 • 447 Ratings

Free



Earth Hero: Climate Change 9+

Our Future to Choose
Earth Hero
Designed for iPad

★★★★★ 4.9 • 444 Ratings

Free



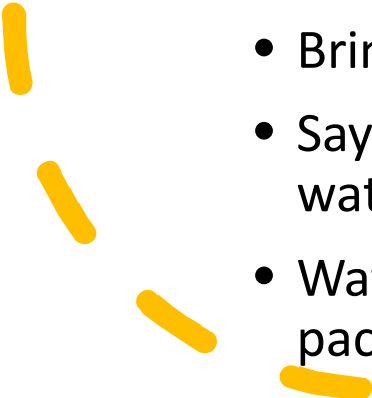
Action: Activities / ideas helping us to protect environment

3R Action - “Reduce, Reuse & Recycle”

limiting our waste to the environment help reduce the impacts of climate change.

Reduce is creating less waste;

Here are some ways you can reduce the amount of waste you make:

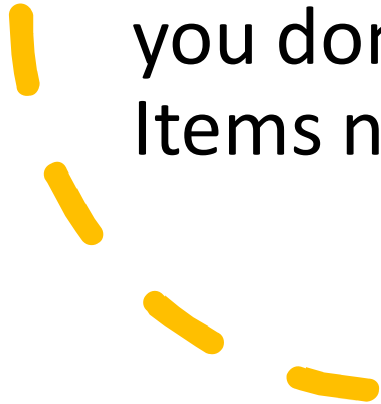
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- Pack your lunch in a lunchbox/reusable container-Paper and plastic begs create a huge amount of waste-and plastic begs take hundreds of years to decompose!
 - Bring reusable begs to the grocery store/for shopping.
 - Say no to bottled water- instead of buying bottled water, use a reusable water bottle.
 - Watch what you buy-when you're at the supermarket pay attention to the packaging. Can this be cleaned out and used for something else?



Action

2.Reuse

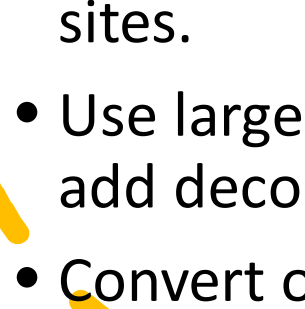
- Find a new use for an old item.
- Have a garage sale : There's someone out there who would love to have them. A garage sale is a great way to clean out your space and help reuse all the items you don't want. You can make a little money too! Items not sold can also be donated to a local charity.



Action



3. Recycle is changing discarded material into new products in order to avoid using more virgin resources.

- Some ways to recycle:
 - Make recycling bins readily available in your home/school/office. Have each bin labeled paper, plastic, metal, glass etc.
 - Collect Aluminum cans, bottles, paper/card boxes and sell to recycle sites.
 - Use large plastic containers as planters. With the use of some paint add deco on the outside and you're good to go!
 - Convert old sheets, towels and clothing into wash rags
- 



Conclusion

- After the post COVID, it is getting more and more important to protect our nature environment. Each of us could do more to protect our living world, by more understanding on the climate change, and the awareness of energy saving living style.
- The resource kit locates facilitate as an open door that we could open and explore more about the topics.
- Join us to establish a Go-Green life-style and 3R actions to make good use of our resources.