

300+ participants  
5 panellists  
online and in person

# Overview

The UN Intergovernmental Panel on Climate Change (IPCC) Sixth Assessment Report: The Physical Science Basis. Main themes for the Pacific from a forum hosted by SPREP, Pacific Climate Change Centre and The Australian National University

Highlights the **URGENCY, IMMEDIACY AND SUSTAINED RESPONSE REQUIRED**

to combat climate change – long asserted by Pacific leaders



Our response to COVID shows that we can rapidly transition our economies in response to a crisis – **we can do the same for climate change**

Current emissions trajectory:

**2.9°C**

Current pledges and targets:

**2.4°C**

Paris Agreement goals:

**aim for 1.5°C**

All greenhouse gas scenarios may exceed **1.5°C in the 2030s** the good news is that the Paris Agreement is still within reach - a very low-emission scenario will only temporarily exceed 1.5°C before bringing temperatures back down



**More frequent and more intense**



land and marine heatwaves



ocean acidification and deoxygenation



extreme coastal events



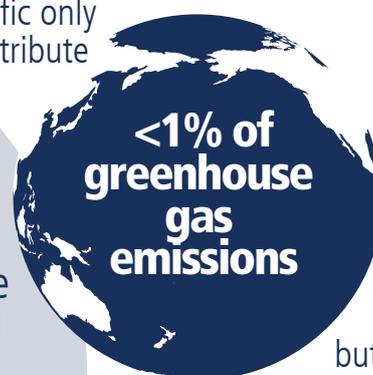
rainfall



sea level rise and shoreline retreat

as warming increases

The Pacific only contribute



but **most vulnerable** to climate change impacts

Report is timely for informing **COP26**

followed by two more reports in 2022:

- Impacts, Adaptation and Vulnerability
- Mitigation of Climate Change

The IPCC is becoming more diverse in its inclusion of **local and traditional knowledge** and the makeup of its author teams but still needs more publications from Pacific authors:



**sit down and write!**



Australian National University

Institute for Climate, Energy & Disaster Solutions